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Public Consultation and Engagement Summary Report

Metro Vancouver Solid Waste Management Plan 2021-2026





Prepared by: Metro Vancouver

October 2026

Territorial Acknowledgement

Metro Vancouver acknowledges that the region's residents live, work, and learn on the shared territories of many Indigenous peoples, including 10 local First Nations: q̓i̓c̓əy̓ (Katzie), q̓ʷɑ:ƛ̓əƛ̓ (Kwantlen), kʷikʷəƛ̓əm (Kwikwetlem), máthxwi (Matsqui), xʷməθkʷəy̓əm (Musqueam), qiqéyt (Qayqayt), Semiahmoo First Nation, Sḵwx̱wú7mesh Úxwumixw (Squamish), scəẇaθən məsteyəxʷ (Tsawwassen), səlilwətaɬ (Tsleil-Waututh).

Metro Vancouver respects the diverse and distinct histories, languages and cultures of First Nations, Métis, and Inuit.

About Metro Vancouver

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is made up of four separate legal entities, each governed by its own Board of Directors. Board directors are elected officials from member jurisdictions.

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EXECUTIVE SUMMARY

Public Consultation Overview

Across all phases of engagement on the Solid Waste Management Plan, Metro Vancouver remained committed to engaging audiences who may be impacted or have an interest in the plan. This includes First Nations, member jurisdictions, neighbouring regional districts, solid waste and recycling industry, and the public, with special emphasis on enhancing accessibility and opportunities for underrepresented and equity-denied communities. The Solid Waste Management Plan engagement process was a robust and inclusive process, resulting in thousands of inputs and over 20,000 individuals reached through workshops, online inputs, committee meetings, and community events. This meaningful input directly helped to shape the draft Solid Waste Management Plan, including its vision and guiding principles, goals, targets, strategies and actions, and strategic approaches.

A separate government-to-government First Nations engagement process allowed Metro Vancouver to hear from First Nations with interests in the Metro Vancouver region. A separate First Nations engagement summary report is included in the submission to the Minister of Environment and Parks. Metro Vancouver reached out to and invited feedback from 50 First Nations and held meetings with eight First Nations with communities located in the Metro Vancouver region.

The graphic below shows the phases of the solid waste management plan update, starting with pre-engagement in 2021. Engagement summary reports for each phase, including detailed feedback logs documenting each comment and Metro Vancouver's response, are included in **Appendix A**. Copies of all incoming written correspondence across all phases and any substantive Metro Vancouver replies are included as **Appendix S**. Additional comments on the draft Solid Waste Management Plan were received from June to August 1, 2026; this feedback is summarized in **Section 10** of this report, including describing how the feedback helped inform revisions to the draft plan in several areas including:

- Financial overview
- Implementation details
- Competition and innovation
- Construction and demolition waste tracking / closed landfills
- Regulatory / plan amendments / dispute resolution procedure



Feedback During Public Consultation Process

Engagement feedback showed high support for increasing accessibility, consistency, convenience, reuse, and repair. There was also discussion on setting ambitious yet achievable targets with reasonable time frames, affordability, budgeting, regulatory tools, and management of residual waste. First Nations feedback included themes such as the need for clarity and transparency, strong environmental leadership, economic and affordability considerations, and regional consistency in waste management. This feedback is reflected in the draft Solid Waste Management Plan. Metro Vancouver documented and demonstrated how feedback shaped each draft component, as well as revisions to the draft versions of the plan to result in the version of the draft Solid Waste Management Plan that is being considered by the GVS&DD Board prior to submission to the Minister of Environment and Parks. This included publishing a detailed blackline version showing all the changes made to the draft plan, following feedback from First Nations, member jurisdictions, advisory committees, and others.

Through engagement, Metro Vancouver aimed to ensure all those who were interested in or impacted by the plan update were provided ample opportunities for input. Metro Vancouver shared those voices, ideas, and opinions with the GVS&DD Board and the Province. Metro Vancouver communicated with those engaged to let them know how feedback was incorporated, and provided a rationale where feedback was not incorporated, along with an explanation of the approval process and decision-making authority.

Affordability / Financial Overview

Affordability was a key theme heard through engagement feedback. Affordability is incorporated in the draft plan's guiding principles and is a key consideration throughout the plan. The draft Solid Waste Management Plan prioritizes local solutions for waste management. Solutions include building resilience, reducing transportation-related greenhouse gas emissions, creating local employment and economic benefit, and maximizing cost-effectiveness as local options are typically less expensive than solutions in distant communities.

The draft Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the annual budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan targets. The draft plan also includes financial projections over the 10-year expected plan duration, and estimated allocation of approved budget associated with each strategy. Annual reporting will indicate how funds were allocated to initiatives, including metrics on effectiveness.

Benefits of Metro Vancouver's Solid Waste System

Metro Vancouver received some feedback during the engagement process that did not ultimately lead to changes to the draft Solid Waste Management Plan, including comments to shut down or phase out the Waste-to-Energy Facility and concerns that Metro Vancouver's policy and regulatory framework, including the generator levy, stifles competition and innovation and affects affordability. This feedback has been communicated directly to the Zero Waste Committee and GVS&DD Board, along with rationale for why the feedback was not incorporated. More detail is included in Section 8. The draft Solid Waste Management Plan sets out priorities for the continued operation and enhancement of the Metro Vancouver recycling and waste centre network to improve convenience and access to reuse and recycling opportunities. The current system provides convenient, reliable, and resilient waste and recycling services that benefit and are available to all residents and businesses in the region.

The draft plan also notes that Metro Vancouver will optimize the use of the Vancouver Landfill and Waste-to-Energy Facility to reduce reliance on remote disposal options, help maintain affordability, and reduce transportation-related greenhouse gas emissions. Emissions from the Waste-to-Energy Facility are closely monitored, publicly available online, and reporting shows that in 2025 emissions from the facility were on average 15% of regulatory limits. Studies have been conducted that prove the Waste-to-Energy Facility as a safe and cost-effective residual waste disposal option. Initiatives such as the Waste-to-Energy Facility district energy system are anticipated to create new benefits from the Waste-to-Energy Facility by supplying heat and hot water to up to 50,000 homes and reducing greenhouse gas emissions by up to 70,000 tonnes per year.

Metro Vancouver's success in waste reduction and diversion is attributed to a combination of factors, including a robust regulatory framework and the publicly owned regional solid waste system that provides convenient dropoff services and promotes waste reduction. The generator levy helps ensure all waste generators contribute to funding the regional waste system and encourages the use of regional facilities where recyclable materials are banned from disposal. The stability of the public system has allowed investments in initiatives that support customer service, waste reduction and recycling, and greenhouse gas emission reduction.

Metro Vancouver's tipping fees remain comparable to or lower than other major North American jurisdictions. Metro Vancouver's model of transparent, uniform tipping fees and disposal bans has led to one of the most competitive and innovative waste and recycling environments in North America, with all companies subject to the same fees and disposal bans, creating low barriers to entry and supporting competition and innovation. Further, operation and construction of Metro Vancouver's solid waste facilities are by private contractors selected through competitive procurement, which maximizes private sector innovation and competition while maintaining public sector planning and management.

Advisory Committees and Engagement Panel

Multiple advisory committees were deeply involved in the process from start to end, including member jurisdiction staff advisory committees, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee.

In addition, a Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) was formed to provide third-party expert advice on the development and implementation of a comprehensive and inclusive engagement process. This independent third-party panel provided expert advice on the development and implementation of a comprehensive and inclusive engagement process. The panel provided an additional layer of accountability on the adequacy of engagement. The Engagement Panel provided valuable guidance as engagement was planned and implemented, from the early stages of engagement design by encouraging Metro Vancouver to undertake a pre-engagement phase, to challenging Metro Vancouver to respond to and adapt processes and tactics as we learned more at each phase. Working with the Engagement Panel, Metro Vancouver identified strategies to reach out to audiences not traditionally engaged, as well as strategies to work with audiences who have differing viewpoints. One example was the introduction of the Collaborative Engagement program to support not-for-profit organizations to engage their networks directly. The Engagement Panel reported to the GVS&DD Board at every phase of the project. More information about the Engagement Panel is included in Section 9 of this report, and their reports to the GVS&DD Board are included as **Appendix B**.

Reporting
Staff provided updates to the Zero Waste Committee and GVS&DD Board at every phase of engagement, including GVS&DD approval of various components of the updated plan over time. This ensured ongoing accountability and opportunities for the Zero Waste Committee and GVS&DD Board to provide guidance or ask questions during the process. Metro Vancouver staff also met with Ministry of Environment and Parks staff on a quarterly basis to provide updates.

On April 24, 2026, the GVS&DD Board directed staff to distribute the draft Solid Waste Management Plan for additional comment. An additional feedback period was held until August 2026 and feedback received helped inform further revisions to the draft Solid Waste Management Plan, which are being provided to the GVS&DD Board for consideration in October 2026, prior to submission to the Minister of Environment and Parks.

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1.0 INTRODUCTION

This Public Consultation Summary Report describes public engagement that was undertaken by Metro Vancouver in updating the Solid Waste Management Plan. The public engagement meets the requirements outlined in Section 27 of the *Environmental Management Act*, which requires that adequate public review and consultation of the solid waste management plan must be completed. Phase by phase engagement summary reports are provided in **Appendix A**.

Engagement Objectives

The objectives of public engagement associated with the current planning process, approved by the Greater Vancouver Sewerage & Drainage District Board (GVS&DD Board), were as follows:

- Guide the development of an updated solid waste management plan for consideration by the GVS&DD Board and Minister of Environment and Parks
- Learn about a broad range of perspectives from residents, communities of interest, and stakeholders and actively consider how the plan can integrate and respond to the learnings
- Foster an environment where a wide range of voices and perspectives are shared
- Facilitate a process of reciprocal learning where stakeholders and communities of interest can share their knowledge and experiences and learn about the benefits and challenges of the regional solid waste system and zero waste initiatives
- Strengthen and build collaborative relationships
- Listen to and understand perspectives, priorities and desired outcomes of stakeholders and communities of interest for waste management across the region, with a specific effort to increase participation by diverse and equity-denied groups, such as youth, urban Indigenous people, small and independent business owners, and non-English language speakers

2.0 PLAN INITIATION

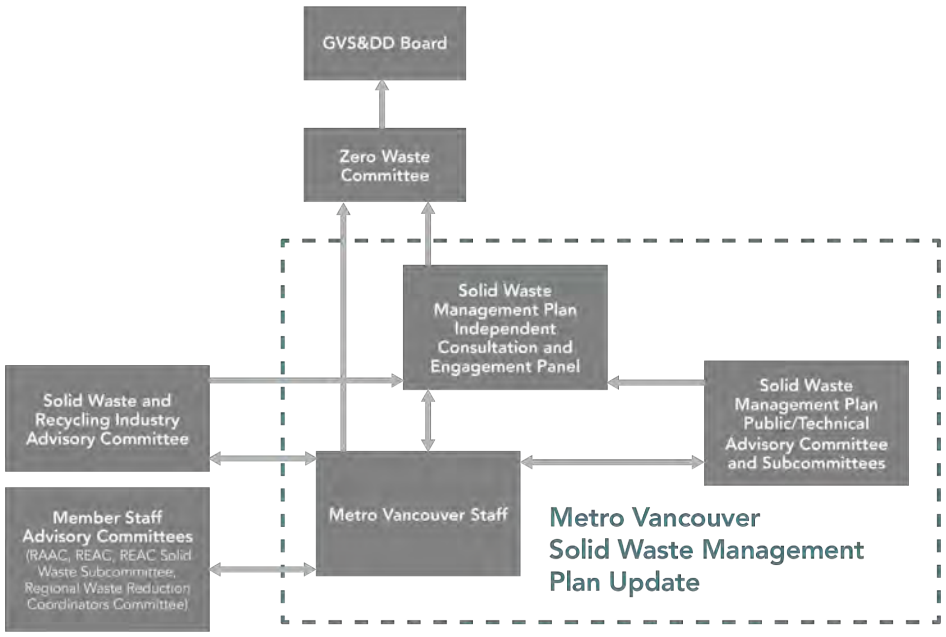
In November 2019, the GVS&DD Board authorized initiating an update of the regional solid waste management plan, as required by the provincial *Environmental Management Act* and according to the provincial guidance document *A Guide to Solid Waste Management Planning*. On July 3, 2020, the Board received for information the terms of reference for the Solid Waste Management Plan Independent Consultation and Engagement Panel, whose role was to provide advice to staff and report to the GVS&DD Board at each phase of the project, and provide reflections on the adequacy and effectiveness of engagement (Section 9, and **Appendix B**).

In April 2021, Metro Vancouver conducted pre-engagement on the plan update and received feedback from over 350 individuals via questionnaire responses, presentations, written submissions, meetings with staff, and presentations to the Engagement Panel. The goals of pre-engagement were to learn about preferred communication channels, methods of participation, information needs, and what can be done to facilitate participation among a broad range of audiences in future phases. It also served as an excellent first-opportunity to promote awareness that Metro Vancouver was initiating an update of

the solid waste management plan. Pre-engagement was a phase uniquely introduced for the solid waste management plan update, going beyond Metro Vancouver's standard engagement process.

3.0 ADVISORY COMMITTEES, MEMBER JURISDICTIONS, AND REGIONAL DISTRICTS

The following graphic depicts the various committees that have been involved in providing input to the plan update process over the past five years.



Metro Vancouver Solid Waste Management Plan Committee Framework

Solid Waste Management Plan Public/Technical Advisory Committee

The BC Ministry of Environment and Parks' *A Guide to Solid Waste Management Planning* recommends establishing public and technical advisory committee(s) to assist with the planning process and ensure that diverse views are represented. After receiving feedback from interested parties on the structure and membership selection criteria, Metro Vancouver convened a single combined committee to promote knowledge and information sharing, collaboration, and diverse perspectives, while simplifying communications and enhancing engagement.

In late 2021, the GVS&DD Board approved terms of reference for the Solid Waste Management Plan Public/Technical Advisory Committee (Public/Technical Advisory Committee). The terms of reference describe that the committee would be composed of members representing a diversity of sectors and interests, including technical expertise and lived experience. In 2022, the GVS&DD Board approved 33

individuals with a range of relevant personal qualities and experience to serve on Public/Technical Advisory Committee to provide advice and input on the development of an updated solid waste management plan. In 2025, 11 new members were added to the committee after an open call for applications. One objective of the recruitment was to fill gaps in sectors represented on the committee; however, all applications were considered. In 2025, there were 34 members on the committee in total, taking into account the new members as well as membership resignations.

In 2024, for the approximate duration of a year, the Public/Technical Advisory Committee formed three working groups: construction and demolition waste management, food waste and organics, and plastics management.

Please see **Appendix C** for the advisory committee's terms of reference, membership, list of meetings held, and a complete set of agendas and minutes, including final reports and presentations from the three working groups.

Contributions from the Public/Technical Advisory Committee over the last four years have been extremely valuable in shaping a plan that will help guide our region for the next decade and beyond: challenging our region to rethink and prevent waste first, maximize recycling, and manage the remaining waste responsibly. The committee concluded its work in April 2026.

Solid Waste and Recycling Industry Advisory Committee

In 2022 Metro Vancouver convened the Solid Waste and Recycling Industry Advisory Committee (Industry Advisory Committee). The Industry Advisory Committee was formed to act as a forum through which industry representatives receive information, provide advice, and channel feedback related to solid waste management planning, operations, and policy. Membership includes representatives of private waste and recycling collection and processing companies and industry associations affected by existing and proposed operational and policy items related to solid waste and recycling plans. Member recruitment is on an annual basis, and any individual can join subject to being representatives of private waste and recycling collection and processing companies, agreeing to abide by and complete the Statement of Interest Declaration confirming agreement and expressed intention to work within the Terms of Reference, and completing a conflict of interest statement. Membership has fluctuated over the years but has been consistently around 30 members who meet approximately 10 times a year. From 2022 – 2026, the Industry Advisory Committee's work focused on the solid waste management plan update, but the committees mandate extends beyond the solid waste management plan update, and the committee will continue after the draft Solid Waste Management Plan is approved. The insights and feedback the committee provided from the perspective of the waste and recycling industry were extremely valuable in shaping the draft Solid Waste Management Plan.

Please see **Appendix D** for the Industry Advisory Committee's terms of reference, membership, list of meetings held, and a complete set of agendas, minutes, and feedback summaries from discussions related to the solid waste management plan.

Member Jurisdiction Staff Committees

Metro Vancouver provided regular updates to the Regional Administrators Advisory Committee, Regional Engineers Advisory Committee, Regional Engineers Advisory Committee Solid Waste Sub-Committee, and Regional Waste Reduction Coordinators' Committee. In addition to updates at regular meetings, Metro Vancouver met with individual municipalities upon request and held workshops for

member jurisdiction staff input at each phase. Workshop summaries are included as **Appendix E**. Metro Vancouver provided over 70 updates to member jurisdictions over the multiple phases of the project.

Neighbouring Regional Districts

Metro Vancouver met with staff from neighbouring regional districts at each engagement phase and provided presentations to regional district boards upon request. Neighbouring regional districts included the Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District. In addition, staff from Thompson-Nicola Regional District and the Regional District of Okanagan-Similkameen were invited to the meetings, as Metro Vancouver has existing contracts involving facilities in those communities. Meeting notes from regional district staff meetings are included as **Appendix F**. Feedback from neighbouring regional districts helped shape the Regional District Collaboration section of the draft Solid Waste Management Plan, outlining the commitment to ongoing collaboration on shared priorities such as advancing a circular economy, advocating for expanded extended producer responsibility programs, managing construction and demolition material, sharing data and information, amplifying or aligning education and outreach programming, and coordinated advocacy. Some differences in priorities between regional districts were identified through engagement. In particular, the Fraser Valley Regional District expressed concern about environmental impacts related to ongoing use of the Waste-to-Energy Facility.

4.0 PUBLIC ENGAGEMENT DESIGN

Following completion of pre-engagement, a Public Engagement Program was approved by the GVS&DD Board in November 2021. A copy of the Public Engagement Program is included as **Appendix G**. The Public Engagement Program describes engagement objectives, guiding principles, approach, scope, phases/timeline, and methods. The engagement program is responsive to feedback heard during pre-engagement and acknowledges the iterative nature of a multi-phase engagement, with flexibility to consider additional interests and issues that emerge and allowing each phase of engagement to help shape the next.

A separate First Nations engagement strategy defined the government-to-government engagement process with First Nations with interests in the Metro Vancouver region. A separate First Nations engagement summary report is being submitted to the Minister of Environment and Parks.

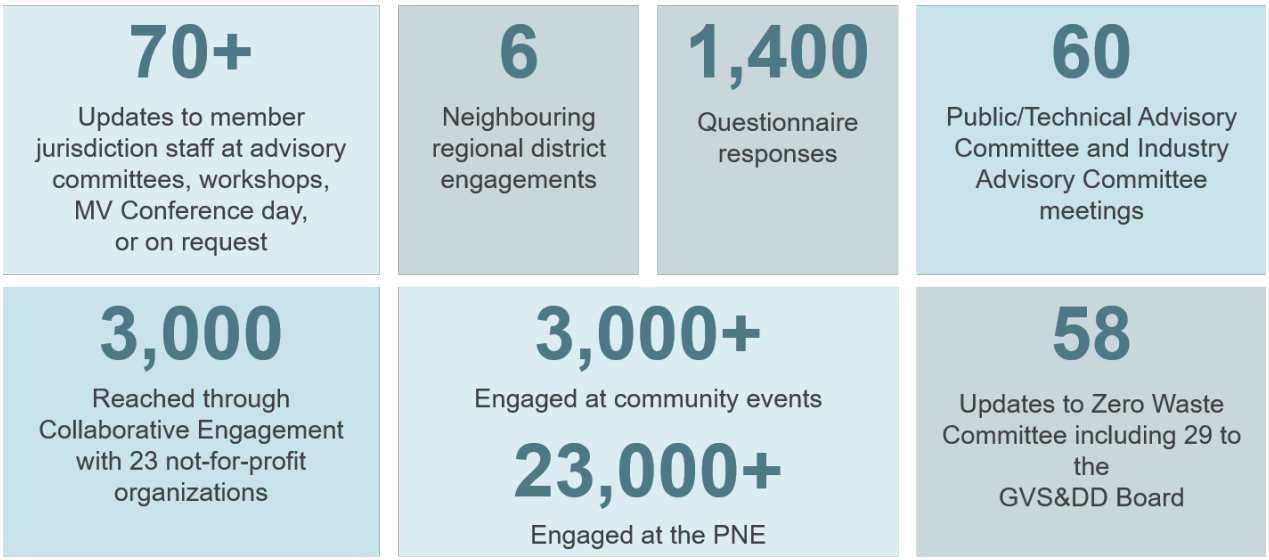
5.0 PARTICIPATION

The public engagement program was executed through the various phases (pre-engagement, vision and guiding principles, idea generation, options analysis, and draft plan) of the planning process. Engagement summary reports for each phase were published on Metro Vancouver's website and provided to the Zero Waste Committee and GVS&DD Board. This section summarizes activities that took place during public engagement.

Below is a summary of engagement metrics across all phases:

- 15,551 email/letter invitations to participate
- 1,400 questionnaire responses submitted

- 25 presentations from the public to the Engagement Panel
- 3,000+ people engaged at community events
- 23,000+ people engaged at the Pacific National Exhibition
- 3,000+ people reached through Collaborative Engagement with 23 not-for-profit organizations
- 70+ updates to member jurisdiction staff at advisory committee meetings, workshops, Metro Vancouver Conference Day, or on request
- 6 meetings with neighbouring regional districts
- 58 updates to the Zero Waste Committee and/or GVS&DD Board
- 60 meetings with the Public/Technical Advisory Committee and Industry Advisory Committee



Metro Vancouver received feedback from representatives of the following sectors:

- Academia / Post-Secondary
- Binner's community
- Construction and demolition
- Cultural societies
- Environmental NGO
- Food service
- Government
- Healthcare
- Housing
- Industry associations
- Metro Vancouver advisory committees
- Multi-family residences
- Non-governmental organizations / Not-for-profit organizations
- Property management
- Residents / households
- Retailer / retail associations
- Tourism and hospitality
- Waste and Recycling Industry
- Youth / Educators

Collaborative Engagement Program

The Collaborative Engagement Program was developed to help advance diversity, equity and inclusion in the public engagement process by collaborating with and hearing from people who otherwise may not be aware of or have access to opportunities to help inform the plan update.

Metro Vancouver provided funding and support for not-for-profit organizations to engage with their networks to provide ideas and feedback. Organizations that support underrepresented or equity-denied communities, youth, seniors, Indigenous people, and environmental groups are integral to this work. Approximately 3,000 people were engaged via the Collaborative Engagement Program via 23 not-for-profit organizations. The Collaborative Engagement program web page includes more information including videos featuring participating organizations, and copies of toolkits provided to participants. Submissions or reports from participating organizations can be found in **Appendix H**.

Participation Per Phase

Detailed information on engagement activities that took place during each phase of engagement can be found in the per-phase engagement summary reports (**Appendix A**). This includes a summary of feedback and Metro Vancouver's response, a description of engagement approaches, meetings, questionnaire results, and more. Below is a snapshot of the range of events and attendees during each phase. Feedback from all meetings and interactions was recorded, and the feedback, along with Metro Vancouver responses, can be found in the feedback logs in **Appendix A**.

At each phase, Metro Vancouver typically presented background information, provided phase-specific information or discussion guides, shared what was heard previously from the specific engaged sector or organization, and provided opportunity for comments and feedback.

Below is an overview of events, meetings, and web based/written submissions at each phase.

Community Events, Workshops, or Meetings (in-person or online)

Note the numbers of meetings below do not include the regular year-round advisory committee meetings, including the REAC Solid Waste Sub-Committee, Public/Technical Advisory Committee, and Industry Advisory Committee.

	Community Events / Meetings	**Engaged**
Pre-Engagement April – May 2021	28	80+ individuals engaged. This phase included both individual interviews and presentations to committees.
Vision and Guiding Principles September – November 2023	23	6,200+ individuals engaged. This phase included presentations to committees, interviews, and engagement at community events including at the Pacific National Exhibition.

Idea Generation September – December 2024	29	7,800+ individuals engaged. This phase included presentations to committees, workshops, and engagement at community events including at the Pacific National Exhibition.
Options Analysis August – October, 2025	31	12,655+ individuals engaged. This phase included presentations to committees, workshops, and engagement at community events including at the Pacific National Exhibition.
Targets, Metrics, and Initial Draft Plan November 2025 – February 2026	During this phase, Metro Vancouver received feedback on the targets, metrics and initial draft solid waste management plan through meetings with multiple member jurisdiction staff advisory committees, the Public/Technical Advisory Committee, and the Industry Advisory Committee.	

Web-Based Participation or Written Submissions

Dates Available	Method	Information Provided or Collected	Participation Numbers
Pre-Engagement April – May, 2021	Online Questionnaire and Written Submissions	Requesting feedback on how residents want to be engaged and what information they need to be able to participate.	335 questionnaire responses and 6 written submissions
Vision and Guiding Principles Sept – Nov, 2023	Online Questionnaire and Written Submission	An avenue provided to the public to receive feedback and to understand key values and priorities.	484 questionnaire responses and 1 written submission
Idea Generation Aug – Nov 2024	Online Questionnaire and Written Submissions	The online platform provided the public and interested parties an opportunity to provide feedback about potential barriers to participation in waste reduction and recycling efforts and learn about the public's priorities when thinking about solid waste management actions and opportunities.	228 questionnaire responses and 4 written submissions
Options Analysis Aug – Oct 2025	Online Questionnaire and Written Submissions	The online platform provided the public and interested parties the opportunity to share their feedback on the proposed strategies and actions.	1000+ questionnaire responses and 28 written submissions

Targets, Metrics, and Initial Draft Plan November 2025 – Feb 2026	Written Submissions	Request for feedback submissions via email and an online comment board available.	34 written submissions
Additional Comment Period June – August 1, 2026	Written submissions and feedback form	Received additional comments on draft Solid Waste Management Plan via email and through an online feedback form.	15 comments through online feedback form and 39 written submissions

6.0 PROMOTION AND ADVERTISING

Metro Vancouver committed to engaging audiences who may be impacted by or have an interest in the review and update of the solid waste management plan. Across engagement phases, the following strategies were used to promote opportunities for learning about the planning process and for providing input into the process:

- Email notifications to those subscribed to receive solid waste management plan project updates, individuals or organizations identified as being potentially impacted by the solid waste management plan, and recycling and waste industry contacts
- Letters to member jurisdictions and neighbouring regional districts
- Printed materials handed out at solid waste facilities in the region
- 51 organic and boosted social media posts
- 12 newspaper ads
- Promotional videos
- Website content
- Invitations to member jurisdictions and other organizations to share online feedback options with their audiences

Samples of email notifications to interested parties and letters to member jurisdictions and neighbouring regional districts are included in **Appendix I**. Examples of other promotional materials are included in **Appendix J**.

Engagement was also supported by other engagement materials such as presentations, and discussion guides. Samples of these materials are included in **Appendix K.**

7.0 FEEDBACK DURING PUBLIC CONSULTATION PROCESS

Below is a summary of high-level themes emerging from each phase of engagement. Detailed engagement results are found in the engagement summary reports for each phase (**Appendix A**).

Questionnaire results from each phase are summarized in **Appendix L**. Summaries of learnings from community events can be found in **Appendix M**.

Feedback from Pre-engagement

Through pre-engagement, Metro Vancouver sought to understand how audiences would like to participate in upcoming engagement on the Solid Waste Management Plan.

Stakeholders, including those who may have had concerns about previous engagement processes, were supportive of the early pre-engagement phase and the establishment of the Engagement Panel, demonstrating the importance and success of taking these early steps to shape a robust engagement program. Several themes emerged through pre-engagement feedback:

- early, continuous, and iterative opportunities to provide feedback
- clearly defined engagement purpose and expectations
- sufficient time allowed to gather and submit feedback, including reminders and additional notifications
- transparency on how input is used, and factors considered when coming to a final decision
- fair and collaborative process without pre-determined outcomes
- a variety of online and in-person engagement opportunities
- focused, sector-specific discussions
- space for stakeholders with different interests to hear from each other
- consider introducing incentives to encourage participation, and reach those not typically engaged
- leverage existing committee and community group meetings

Feedback From Vision and Guiding Principles, Idea Generation, and Options Analysis

During vision and guiding principles engagement, Metro Vancouver sought feedback on values and priorities related to solid waste management in the region. During idea generation, Metro Vancouver received thousands of ideas for potential strategies and actions for the updated solid waste management plan. During options analysis, Metro Vancouver applied assessment criteria to strategy options and received feedback on a broad list of potential strategies and actions.

The following is a summary of themes emerging from feedback during the vision and guiding principles, idea generation, and options analysis phases of engagement, presented in alphabetical order:

- **Accessibility and Inclusivity**
  Emphasized the need for inclusive and accessible services by addressing cultural, language, mobility, financial, and structural barriers. Ensure all groups have access to services and information.

- **Accountability and Transparency**
  Highlighted desire for accessible, reliable performance data and transparent reporting on progress to build trust. Increase producer responsibility and hold industries and manufacturers accountable and prevent them from producing excess waste.
- **Affordability, Convenience and Consistency**
  Stressed that ease of access and cost are key drivers of participation. Need for clear economic rationale, transparent budgeting, financial responsibility.
- **Circular Economy and Environmental Stewardship**
  Focused on waste prevention, shifting to circular product and packaging design, and repair and reuse systems. Reduce greenhouse gas emissions and pollution.
- **Collaboration**
  Called for stronger partnerships across sectors, jurisdictions, and disciplines, ranging from municipalities and industry, to academia, and First Nations.
- **Community Engagement**
  Invite the community to be more involved in waste management decisions.
- **Engagement, Education, and Awareness**
  Empower people to make informed waste-related choices. Importance of multilingual, school, and community-based programming; cultural shift, and behaviour change.
- **Human and Environmental Health**
  Waste management strategies that minimize risk to people and ecosystems by addressing contamination, toxicity, emissions, and the safety of food and organics across the full lifecycle of materials.
- **Infrastructure and Capacity**
  Identified lack of infrastructure for waste and recycling processing as both a barrier and opportunity, especially in urban settings.
- **Innovation and Technology**
  Support for innovation, technology, and artificial intelligence.
- **Markets and Economy**
  Emphasized the economic potential of sustainable waste systems. Include incentives, local business support, and workforce development.
- **Recycling and Composting**
  Focused on barriers to participation and high contamination rates. Solutions included clearer labelling, education, incentives, and improving composting programs.
- **Policy and Regulation**
  Called for stronger, consistent regulations across jurisdictions. Ideas included expanding extended producer responsibility programs.

Feedback from Targets, Metrics, and Initial Draft Plan Phase

This phase focused on receiving feedback from First Nations, member jurisdictions, advisory committees, neighbouring regional districts, and other interested parties on the draft targets, metrics, and draft Solid Waste Management Plan. Metro Vancouver received 45 written submissions in response to the initial draft Solid Waste Management Plan, expressing varied degrees of support for the plan and identifying areas for strengthening or requests for revision. Engagement generated a wide range of input on topics including accessibility, reuse and repair, timeframe of targets, financial considerations, regulatory tools, and residual waste. Feedback on the initial draft was then considered in developing a revised draft Solid Waste Management Plan that was provided to the GVS&DD Board on April 24, 2026. A blackline version of the draft plan was provided to the GVS&DD Board to show where feedback was incorporated.

Feedback from Additional Comment Period Ending August 1, 2026

Information on feedback received during the additional comment period is found in Section 10.

8.0 PREFERRED STRATEGIES

Metro Vancouver's evaluation of preferred strategies occurred over two distinct phases: the Idea Generation phase, during which interested parties provided their ideas of potential actions and strategies for the plan; and the Options Analysis phase, during which interested parties provided their feedback on a list of action options.

During Idea Generation, thousands of discrete ideas emerged from engagement feedback. In preparation for Options Analysis, many of the ideas from Idea Generation were incorporated into action options for engagement (**Appendix N**). Ideas that were not incorporated into action options were either incorporated into other plan sections such as the strategic approaches (**Appendix O**) or included in a list of ideas staff considered unadvisable (**Appendix P**) due to inconsistencies with Board direction or the plan's goals, hierarchy, or vision and guiding principles. Each piece of feedback received was considered through this process.

The table below shows strategy options that were provided during Options Analysis engagement, and the number of ideas received through engagement that led to the development of each strategy option.

Goal	Strategy Option	# of Engagement Inputs Resulting in Strategy Option
Rethink	Advocate for circular economy policies	178
Rethink	Support the transition to a more circular regional economy through waste prevention	155
Rethink	Build on and foster an inclusive and collaborative circular economy	120
Rethink	Collect and enhance data to track progress toward a circular economy	57

Reduce	Collaborate with businesses and institutions to reduce waste at the source	69
Reduce	Support residents adopting waste prevention habits	26
Reduce	Prioritize food waste reduction initiatives	33
Reduce	Enhance approaches to Metro Vancouver's disposal ban program	46
Reuse	Support consistent approaches to reuse	60
Reuse	Increase reuse of used building materials	43
Reuse	Foster the broad adoption of reuse, refill, and repair	44
Reuse	Work with event organizers, businesses and institutions to increase reuse	77
Reuse	Increase access to reuse, refill and repair	74
Reuse	Scale efforts to recover food	32
Reuse	Encourage and celebrate residents and businesses that prioritize reuse and refill practices	100
Recycle	Promote design for recyclability and the use of recycled content in products and packaging	26
Recycle	Enhance EPR programs	247
Recycle	Recycle Encourage the development of new recycling infrastructure	35
Recycle	Improve participation in green bin programs and alternatives for multi-family residents and businesses	39
Recycle	Make recycling easier and more effective by reducing confusion and improving convenience	130
Recycle	Target recycling education	257
Recycle	Increase transparency of what happens to materials from recycling and green bin programs	71
Recycle	Prevent litter and illegal dumping through public space recycling initiatives	5
Recover	Recover materials and energy from non-recyclable materials	12
Dispose	Residual waste management options were considered during the development of the Solid Waste Management Plan, and were informed by a study commissioned by Metro Vancouver titled Residuals Waste Management Options Review. Metro Vancouver shared information with and invited comment from advisory committees on the Residuals Waste Management	

	Options Review, during study development and upon completion of reporting. The study concluded that the two main disposal approaches most commonly adopted in regions similar to Metro Vancouver are landfill and mass burn waste-to-energy. In Canada, landfilling is expected to continue to be the most common approach in the foreseeable future with mass burn waste-to-energy as the primary alternative to landfilling in the international jurisdictions reviewed. Actions specific to the Vancouver Landfill were developed in collaboration with the City of Vancouver and the City of Delta. These actions were presented for feedback during engagement on the initial draft plan published in January 2026, through discussions with member jurisdiction staff, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee.

Evaluating Options and Understanding Level of Support

During the Options Analysis phase, the full list of potential strategies and actions were assessed using a rubric of criteria, including economic, environmental, social, and other criteria. The Options Analysis phase process and criteria are described in more detail in **Appendix Q**. The criteria were reviewed with member jurisdiction staff, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee prior to finalization.

The strategies and actions were evaluated through a third-party assessment based on economic, environmental, and social impacts. The assessments document Metro Vancouver's detailed process for developing strategy options, analyzing feedback to assess level of support for the various options, and making decisions on final strategies and actions to include in the draft Solid Waste Management Plan.

A full assessment of every potential strategy and action against set criteria was completed by a consultant and the results included in **Appendix R**.

During Options Analysis engagement, audiences were invited to consider the list of potential actions for the updated plan (**Appendix N**) and provide feedback on their level of support through advisory committee meetings, at community events, questionnaire responses, and written submissions. Detailed information on options analysis feedback is found in the Options Analysis Engagement Summary Report (**Appendix A**), and all comments received are documented in the feedback log (**Appendix A**). Below are a few examples of feedback received on the strategy options and how Metro Vancouver incorporated the feedback.

Example Feedback	Metro Vancouver's response
The plan needs to shift from disposal-focused systems to preventing waste in the first place. Real circularity starts with how products, packaging, and systems are designed.	The plan is based on a zero waste hierarchy that prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort. The waste hierarchy emphasizes the importance of rethinking waste. Strategies and actions reflect themes heard during engagement. For example, draft strategy 1.2 was "Help lead the transition to a more circular regional economy through waste prevention".

Questions and concerns about how proposed actions will be paid for and if they offer good value for money. Keeping programs affordable is critical to public support and successful implementation.	The draft solid waste management plan includes financial projections over the 10-year expected plan duration; provides a comparison of disposal costs over 10 years for the Vancouver Landfill, Waste-to-Energy Facility, and contingency disposal; and includes estimated allocation of approved budget associated with each strategy. It also outlines the process by which plan initiatives will be considered by the GVS&DD Board. Expenditures beyond the existing solid waste budget will be business cased prior to implementation, considering impacts to Metro Vancouver as well as other organizations who are involved or impacted. Initiatives and their accompanying expenditures will also be prioritized according to their ability to meet the plan targets.
We need clear and reliable data to track progress on waste reduction and circular economy efforts.	The draft plan includes an updated suite of metrics which will help create a more fulsome understanding of waste management in the region. Metro Vancouver will continue to report annually on solid waste management statistics including the targets and applicable secondary metrics outlined in the draft plan and will explore increasing transparency and access to data through a public dashboard of solid waste management plan performance indicators.
Focus on actively fostering new habits, actions, and long-term behaviour change. People need to feel confident, supported, and motivated. Clear consistent education paired with practical tools and ongoing engagement.	Many initiatives in the updated draft plan correspond to these themes, including strategies for providing tailored education and simplifying information on recycling. The plan also includes a section on education and outreach which highlights the importance of behaviour change campaigns.

A similar process was followed during the Initial Draft Plan phase. Feedback on the initial draft plan was directly incorporated into the draft, or Metro Vancouver provided a rationale if the feedback was not incorporated. Details on Metro Vancouver's response to each input are included in the initial draft plan feedback log (**Appendix A**). Metro Vancouver published a blackline version showing changes made between the initial draft plan released January 2026, and the revised draft plan that was considered by the GVS&DD Board in April 2026. Another revised version of the draft plan (along with blackline version) is being considered by the GVS&DD Board in October 2026.

Benefits of Metro Vancouver's Solid Waste System

Metro Vancouver received some feedback during the engagement process that was not ultimately incorporated in the draft Solid Waste Management Plan, including comments to shut down or phase out the Waste-to-Energy Facility and concerns that Metro Vancouver's policy and regulatory framework including the generator levy stifles competition and innovation and affects affordability. Metro Vancouver communicated this feedback to the Zero Waste Committee and GVS&DD Board, and

included rationale for not incorporating the feedback. More detail on feedback that was not incorporated is found in **Appendix P**.

Waste-to-Energy Facility

Metro Vancouver received feedback to close or phase out the Waste-to-Energy Facility. Despite the region's success in reducing waste, approximately one million tonnes per year of garbage from residential commercial and institutional sources require disposal. The draft Solid Waste Management Plan notes that Metro Vancouver will optimize the use of the Vancouver Landfill and Waste-to-Energy Facility to help reduce reliance on remote disposal options, help maintain affordability, and reduce transportation-related greenhouse gas emissions.

The Waste-to-Energy Facility, operating since 1988, is an established alternative to landfill disposal managing approximately 25% of the region's residual garbage. The Waste-to-Energy Facility continues to be a safe and cost-effective residual waste disposal option in the region. Emissions from the Waste-to-Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. Reporting shows that in 2025 emissions from the facility were on average 15% of regulatory limits.

The draft plan notes Metro Vancouver's commitment to further enhancing the environmental performance of the facility and exploring opportunities to further reduce emissions and increase environmental monitoring. Metro Vancouver has submitted a report to the Ministry with proposed updated emission limits for the Waste-to-Energy Facility supported by a series of technical studies, modelling, and a public health risk assessment completed in consultation with health authorities. Metro Vancouver will engage on the proposed updated emission limits and additional monitoring opportunities.

Initiatives such as the Waste-to-Energy Facility district energy system are anticipated to create new benefits from the Waste-to-Energy Facility by supplying heat and hot water to up to 50,000 homes, and reduce greenhouse gas emissions by up to 70,000 tonnes per year.

Affordability is incorporated in the draft plan's guiding principles and is a key consideration throughout the plan. The per tonne disposal cost at the Waste-to-Energy Facility is similar to the Vancouver Landfill, and approximately half that of remote landfills. Reducing the need for disposal at remote landfills in distant communities helps to keep costs down and reduce transportation-related greenhouse gas emissions.

Public Regional Solid Waste System

Metro Vancouver received feedback that private industry can invest in infrastructure and manage and operate a private sector solid waste system, in place of what Metro Vancouver currently provides. Metro Vancouver heard concerns that Metro Vancouver's regulatory framework stifles competition and innovation, leading to higher costs. Considering this feedback, Metro Vancouver added a new section into the draft Solid Waste Management Plan on Competition, Innovation, and Affordability.

The draft Solid Waste Management Plan sets out priorities for the continued operation and enhancement of the Metro Vancouver recycling and waste centre network to improve convenience and access to reuse and recycling opportunities. The current system provides convenient, reliable, and resilient waste and recycling services that benefit and are available to all residents and businesses in the

region. The Recycling and Waste Centre Strategic Approach outlines considerations to inform future upgrades, replacements, and additions to the recycling and waste centre network. Cost-effectiveness and affordability are key areas of focus.

Metro Vancouver's solid waste system is funded through tipping fees paid by system users. The generator levy, in place since 2018, is a component of the tipping fee that must be paid regardless of where garbage is disposed. This levy is critical to ensuring that all generators of garbage in the region contribute to the cost of a transparent and accessible regional solid waste system that prioritizes waste reduction and recycling. Transparent, consistent tipping fees and disposal bans ensure all companies are subject to the same fees and rules, creating low barriers to entry and supporting competition and innovation. Tipping fees in Metro Vancouver are lower than public-system tipping fees in comparable jurisdictions such as Toronto and Seattle.

The stability of the public system has allowed investments in initiatives that support customer service, waste reduction and recycling, and greenhouse gas emission reduction, such as:

- Comprehensive free recycling depots at recycling and waste centres
- Opportunities for reuse
- Residential disposal events and repair events in partnership with municipalities
- Support for a food recovery network
- Support for mattress recycling at a low cost to reduce mattress disposal and the potential for illegal dumping
- Funding for municipal recycling depots
- New recycling depot development at the Langley and North Surrey recycling and waste centres
- Waste-to-Energy Facility District Energy System development to provide heat and hot water for up to 50,000 homes and reduce greenhouse gas emissions by up to 70,000 tonnes per year, tripling the energy recovery of the Waste-to-Energy Facility
- Beneficial use of bottom ash from the Waste-to-Energy Facility as feedstock to cement plants, offset raw material requirements, and reduce overall regional disposal

Metro Vancouver's network of recycling and waste disposal facilities is operated under contract resulting from a best value, fair, and transparent procurement process. This maximizes private sector innovation and competition while maintaining public sector planning and management. Metro Vancouver's tipping fees remain comparable to or lower than other major North American jurisdictions. Metro Vancouver's model of transparent, uniform tipping fees and disposal bans has led to one of the most competitive and innovative waste and recycling environments in North America, with all companies subject to the same fees and disposal bans, creating low barriers to entry and supporting competition and innovation.

The current solid waste system is highly integrated across sectors. The private and non-profit sectors provide various garbage, recycling, and construction and demolition collection, drop-off and material processing services across the region, along with numerous reuse and repair organizations. An integrated system allows and encourages private sector innovation in circular economy and recycling activities.

9.0 SOLID WASTE MANAGEMENT PLAN INDEPENDENT CONSULTATION AND ENGAGEMENT PANEL

The Solid Waste Management Plan Independent Consultation and Engagement Panel was formed to provide third-party expert advice on the development and implementation of a comprehensive and inclusive engagement process. The Engagement Panel exemplifies Metro Vancouver's commitment to ensuring a robust engagement process. The Engagement Panel provided valuable advice as engagement was planned, implemented, and reported to the GVS&DD Board at each phase of engagement. Examples of their work include:

- Shaping the Public Engagement Program
- Encouraging Metro Vancouver to incorporate pre-engagement as an important first step
- Providing feedback and advice on phase-by-phase engagement design and implementation
- Providing multiple opportunities for the public to present feedback on the engagement program directly to the Engagement Panel
- Reporting to the Zero Waste Committee and GVS&DD Board at each phase, providing a third-party perspective on the adequacy and quality of engagement
- Providing advice and suggestions on strategies to reach audiences not typically engaged, or who have barriers to engagement
- Helped create and enhance the Collaborative Engagement Program to provide funding and support for not-for-profit organizations to engage their networks directly
- Attending engagement events to see how staff put ideas into action, enhancing engagement
- Attending numerous Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee meetings during the Options Analysis and Initial Draft Plan phases to observe the discussion and Metro Vancouver's response, ensuring that feedback was being considered and recorded

In addition to the activities above, the public was invited to provide feedback directly to the Engagement Panel on the engagement process during Pre-Engagement and at the conclusion of each of the Vision and Guiding Principles, Idea Generation, and Options Analysis phases. Public presentations to the Engagement Panel were a key feature of the process, providing individuals and organizations with opportunities to offer direct feedback on the engagement approach itself. These sessions demonstrate Metro Vancouver's commitment to continually improving engagement through transparency, reflection, and responsiveness. Materials related to these presentations are available on the project website or upon request.

The panel provided an additional layer of accountability on the adequacy of engagement. The panel's final report on engagement for the draft Solid Waste Management Plan submitted to the Minister of Environment and Parks noted:

> *…engagement on this plan represents a genuine step change from business-as-usual practice: transparency became auditable rather than asserted, participation grew in both breadth and return rates, communities that standard tools had never reached helped shape the plan, and the*

draft now before the Minister was demonstrably shaped by what was heard. The Panel's independent assessment is that consultation was robust and adequate.

The Engagement Panel reported to the GVS&DD Board at every phase of the project. Their reports are included as **Appendix B**.

10.0 ADDITIONAL COMMENT PERIOD ENDING AUGUST 1, 2026

Following endorsement of the draft Solid Waste Management Plan on April 24, 2026, Metro Vancouver invited additional comments on the draft plan until August 1, 2026. Details of this opportunity were sent to all groups previously engaged during the previous formal engagement phases.

Metro Vancouver received emails, letters, or met with the organizations or individuals listed below. Note that this includes all feedback received or meetings held from late March to August 1, 2026, to ensure that any feedback that was not received in time to include in the April 2026 Zero Waste Committee and GVS&DD Board reports are included here. Metro Vancouver received 39 written submissions and 15 comments submitted through an online feedback form. Feedback received from residents, businesses, local governments, First Nations, and others during the additional comment period has helped to inform a series of clarifying updates to the draft Solid Waste Management Plan.

Copies of correspondence received during all phases, including the additional comment period, are included in **Appendix S**.

- BetterTable
- Building Owners and Managers Association of British Columbia
- Bowen Island Municipality
- Business Council of British Columbia
- District of North Vancouver (Council meeting)
- Envirogreen Technologies
- Evergen Infrastructure Corp
- Fraser Valley Regional District
- HSR Zero Waste
- Industry Advisory Committee
- Nanaimo Recycling Exchange Society
- New West Gypsum
- New Westminster Climate Action Hub
- Regional Engineers Advisory Committee Solid Waste Subcommittee
- Recycle BC
- Restaurants Canada
- Solid Waste and Recycling Industry Advisory Committee
- Squamish-Lillooet Regional District
- Surfrider Foundation Canada
- SymbiAudit Inc.
- Wastech
- Waste Connections of Canada
- Waste Management Association of BC
- Whirlpool Corporation
- Zero Waste BC
- 14 individuals / residents
- 15 comments submitted anonymously through the online feedback form

Metro Vancouver also received written feedback from two First Nations.

All correspondence was reviewed and considered. Metro Vancouver followed up with respondents to confirm receipt of their feedback, and to communicate that their feedback would be provided to the Minister of Environment and Parks. The draft revisions were shared with member jurisdiction staff through staff advisory committees, and shared with the Solid Waste and Recycling Industry Advisory Committee. A webinar was also scheduled to provide information on the revisions to the draft Solid Waste Management Plan.

Feedback related to concerns over continued operation of the Waste-to-Energy Facility and concerns that Metro Vancouver's policy and regulatory framework particularly related to the generator levy stifles competition and innovation and affects affordability were persistent themes of feedback.

Revisions to the draft Solid Waste Management Plan Based on Feedback

Feedback received during the additional comment period ending August 1 has helped to inform updates to the draft Solid Waste Management Plan, in several areas including:

- Financial projections over the 10 year expected plan duration, and comparison of disposal costs over 10 years for Vancouver Landfill, Waste-to-Energy, and contingency disposal
- Enhanced plan implementation details including estimated schedule, associated deliverables, cost, roles and how elements of the plan contribute to achieving targets
- Information regarding the closure status of landfill sites in Metro Vancouver
- New section on competition and innovation
- More clarity on conditions and the process/engagement for consideration of potential future regulations, and specifying the approvals required
- Revisions to the plan amendments section to align with the approach in the provincial guide to solid waste management planning

The revised draft Solid Waste Management Plan will be provided to Metro Vancouver's Zero Waste Committee for consideration and the GVS&DD Board for endorsement in October, before being submitted to the Minister of Environment and Parks for approval.

Metro Vancouver held a webinar on the revisions for the draft Solid Waste Management Plan on September 28, 2026. The invitation to the webinar to review the revisions to the draft Plan was sent to subscribers with interest in the solid waste management plan update process via e-mail, along with advisory committees, adjacent regional districts, Collaborative Engagement Program organizations, and those who had previously submitted feedback on the draft plan during the additional comment period. The webinar's purpose was to provide information about the revisions made to the draft Solid Waste Management Plan after consideration of additional feedback received.

The revisions were also provided to the Solid Waste and Recycling Industry Advisory Committee for discussion.

A feedback log for this additional comment period documents each piece of feedback received and Metro Vancouver's response.

The table below summarizes, at a high level, revisions to the draft plan made in response to feedback. Beyond the revisions described below, some additional changes were made to the draft plan to improve readability, provide more detail, or clarify intentions.

Feedback	Plan Revision
Concern the Plan Amendment section pre-authorizes new regulatory initiatives	Revised Plan Amendments section to clearly identify major plan changes which would necessitate public engagement and approval by the Minister of Environment and Parks. Revised to align with the approach in the provincial *A Guide to Solid Waste Management Planning*
Concern with hauler licensing and other potential regulatory changes	Added more clarity in the Regulatory Strategic Approach section to describe conditions and the process/engagement for consideration of potential future regulations, as well as specifying the approvals required (e.g. several would require provincial approval to be implemented)
Concern with Metro Vancouver's role as system regulator, policymaker, operator and price-setter **Metro Vancouver's policy and regulatory framework, particularly the generator levy, stifle competition and innovation and impact affordability**	Included a section on Competition, Innovation and Affordability, describing the public system's consistent rules and pricing as enabling innovation and competition in the private sector. The new section describes the current integrated system where private companies and non-profit organizations provide collection, drop-off, material processing, and reuse and repair services for garbage, recycling, and construction and demolition materials. Further, Metro Vancouver solid waste facilities are operated by private contractors selected through competitive procurement processes. The draft Solid Waste Management Plan sets out priorities for the continued operation and enhancement of the Metro Vancouver recycling and waste centre network, to improve convenience and access to reuse and recycling opportunities for all residents and businesses in the region. Cost-effectiveness and affordability are key areas of focus. Metro Vancouver's robust regulatory framework and the publicly owned regional solid waste system provides convenient dropoff services and promotes waste reduction. The generator levy helps ensure all waste generators contribute to funding the regional waste system, and encourages the use of regional facilities where recyclable materials are banned from disposal. The stability of the public system has allowed investments in initiatives that support customer service, waste reduction, recycling, and greenhouse gas emission reduction. Metro Vancouver's tipping fees remain comparable to or lower than other major North American jurisdictions. The current solid waste system is highly integrated across sectors, encouraging private sector innovation in circular economy and recycling activities
Concerns that new requirements may penalize older or smaller multi-family buildings, small to	Updated the secondary metrics under Reduce to include measurement of percent of the region with programs in place for reusables, instead of percentage of the region covered by reusable regulations for dine-in.

Feedback	Plan Revision
medium sized food-service businesses, and residents/tenants.	Metro Vancouver will continue to work with interested parties to ensure that affordability, a guiding principle in the draft solid waste management plan, is a continued consideration during implementation.
Concerns with continued operation of the Waste-to-Energy Facility. **Close or phase out the Waste-to-Energy Facility.**	Added comparison of disposal costs over 10 years for Vancouver Landfill, Waste-to-Energy, and contingency disposal. A recent public health risk assessment completed in consultation with health authorities concluded that emissions from the Waste-to-Energy Facility do not pose a public health risk. Waste-to-energy is a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to-Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, and reporting shows that in 2025 emissions from the facility were on average 15% of regulatory limits. As part of Waste-to-Energy Facility operational certificate requirements, Metro Vancouver conducted a series of technical work including a public health risk assessment in collaboration with health authorities, to support proposing updated emission limits and additional monitoring. Metro Vancouver will conduct engagement prior to submitting final proposed emission limits and additional monitoring for consideration by the Ministry of Environment and Parks. Results of a rooftop monitoring study indicate that particulates accumulating on a warehouse roof near the Waste-to-Energy Facility are not the result of deposition from the facility. Metal, dioxins, and furan concentrations on the warehouse roof, other nearby roofs, in roadside dust and in soils near the Waste-to-Energy Facility are not significantly impacted by emissions from the Waste-to-Energy Facility.
Lack of clarity on how targets will be achieved	Added a new table identifying how elements of the plan contribute to achieving proposed targets by reducing material generation in specific categories, based on existing waste composition information and the strategies and actions in the plan.
More information required on disposal capacity and material flow	Enhanced information provided about assessment of residual waste management options, including the use of the study in the development of disposal actions, and the engagement with advisory committees during study development and upon completion.

Feedback	Plan Revision
	Included more detail on the solid waste system including closed landfills. Added a new action to develop a method to better track and account for construction and demolition waste potentially leaving the region.
Request for greater financial transparency	Extended financial projections over the 10-year expected plan duration; provided comparison of disposal costs over 10 years for Vancouver Landfill, Waste-to-Energy, and contingency disposal; included estimated allocation of approved budget associated with each strategy
Request for more details on timing for plan implementation	Expanded the plan implementation schedule including estimated start date for each strategy; details on associated deliverables; information on roles and responsibilities

Additional Revisions

Some additional changes were made to the plan to improve readability, provide more detail, or clarify intentions. These include:

- Update to dispute resolution procedure to highlight the potential option for judicial review, appeal to the Environmental Appeal Board or binding arbitration in the event both parties agree to binding arbitration.
- Inclusion of toxic plants and invasive species to the list of example materials that may require specialized handling and disposal.
- Inclusion of food to the list of national waste reduction and circular economy organizations to learn and share circular practices with
- Consideration of potential for tariffs, taxes, and cross-border impacts in procurement for contingency disposal services, with the note that in the first half of 2026, 87% of all contingency disposal was to the Campbell Hill Landfill in Cache Creek.

Metro Vancouver received other feedback during the additional comment period – some including themes heard in prior phases of engagement – that did not result in changes to the draft plan. Metro Vancouver considered all feedback and in many cases, the perspectives and reflections shared align with the priorities of the draft plan and will become extremely valuable as we collaborate with businesses and organizations on plan implementation. Metro Vancouver's response to feedback is summarized in the table below. The feedback log documents Metro Vancouver's response to all feedback.

Feedback	Metro Vancouver's Response
Targets are not ambitious enough	Ambitious targets in the updated plan reflect feedback from many stakeholders who emphasized the importance of continuing to reduce waste across all sectors. The plan includes several actions designed to support businesses in achieving these targets through collaboration, innovation, and knowledge sharing.

Feedback	Metro Vancouver's Response
	Targets were set based on current waste generation statistics and composition data and are meant to be ambitious but achievable. Progress toward targets will be reported annually and shared publicly.
Engagement feedback is not adequately considered and incorporated.	Metro Vancouver considered all feedback received by documenting responses through feedback logs at each phase, and summarizing feedback in engagement reports. These records are available publicly on the Metro Vancouver website and have been provided to the Zero Waste Committee and GVS&DD Board. All correspondence received related to the solid waste management planning process will be provided to the Minister of Environment and Parks along with the draft plan for consideration.
Support for consistency in services and requirements across region.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is a guiding principle of the draft plan. Metro Vancouver will consider consistency in the implementation of all actions.
Considerations for Extended producer responsibility (EPR) expansion advocacy	Metro Vancouver will continue to work closely with producer responsibility organizations toward the shared goals of preventing waste and making it easier to recycle effectively.
Adopt the Zero Waste Hierarchy and eliminate Recovery as a goal.	The plan is based on a zero waste hierarchy that prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
Increase transparency and accountability through reporting.	Metro Vancouver will continue to report annually on solid waste management statistics including the targets and applicable secondary metrics outlined in the draft plan and will explore increasing transparency and access to data through a public dashboard of solid waste management plan performance indicators.

11.0 PLAN IMPLEMENTATION

Metro Vancouver will continue to report annually on solid waste management statistics including the targets and applicable secondary metrics outlined in the Solid Waste Management Plan. At the five-year mark, Metro Vancouver will complete an effectiveness review detailing the status of each initiative in the plan. This will be shared publicly, and all feedback received will be submitted along with the results of the review to the Ministry of Environment and Parks.

The provincial *A Guide to Solid Waste Management Planning* recommends plan progress is reviewed with a Plan Monitoring Advisory Committee representing a variety of interests, experiences and expertise. In the Metro Vancouver context, the purpose of a Plan Monitoring Advisory Committee would be to provide feedback on:

- plan progress in conjunction with annual progress reports
- planned implementation of strategies and actions
- advancement of measures contemplated in the regulatory, residuals, or recycling and waste centre strategic approaches

Committee members are typically recruited through an application process. Applications would be reviewed by staff and membership recommendations made to the GVS&DD Board.

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Appendix A

Engagement Summary Reports and Feedback Logs Per Phase

Engagement Phases
Pre-Engagement
Vision and Guiding Principles
Idea Generation
Options Analysis
Targets Metrics and Initial Draft Plan

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

To: Zero Waste Committee

From: Stephanie Liu, Public Engagement Coordinator, Strategy and Stakeholder Relations, Solid Waste Services

Date: July 8, 2021 Meeting Date: July 16, 2021

Subject: **Pre-Engagement Results – Solid Waste Management Plan Update**

RECOMMENDATION

That the Zero Waste Committee receive for information the report dated July 8, 2021, titled "Pre-Engagement Results – Solid Waste Management Plan Update".

EXECUTIVE SUMMARY

Public engagement is critical in the development of an updated solid waste management plan. To deliver a robust engagement process that goes beyond Metro Vancouver's typical process, exceeds provincial requirements, and addresses previous concerns about engagement, a pre-engagement phase was introduced to help shape the engagement process. In addition, an Independent Consultation and Engagement Panel was formed to guide development and implementation of engagement, and Metro Vancouver will be engaging on the development of provincially required public and technical advisory committee(s).

Metro Vancouver received feedback from over 350 individuals via questionnaire responses, presentations, written submissions, meetings with staff, and presentations to the Solid Waste Management Plan Independent Consultation and Engagement Panel. Two entities that presented to the panel expressed concern about the presentation process, and a second opportunity to present to the panel was provided. Feedback indicated support for online and in person engagement opportunities including sector-specific discussions and early, continuous, and iterative opportunities to provide feedback.

Staff will report back later in the year with a proposed engagement program as well as the proposed structure and selection criteria for the public and technical advisory committee(s).

PURPOSE

The purpose of this report is to provide the Zero Waste Committee with an overview of feedback received during the pre-engagement phase of the solid waste management plan update process as well as next steps in the engagement process.

BACKGROUND

In November of 2019, the GVS&DD Board (the Board) authorized initiating an update of the regional solid waste management plan, as required by the provincial *Environmental Management Act* and according to the provincial guidelines to initiate a plan review before the 10-year anniversary of the current plan's approval.

On July 3, 2020, the Board received for information the terms of reference for the Solid Waste Management Plan Independent Consultation and Engagement Panel (Consultation and Engagement Panel) – a panel of four engagement experts to guide the development and implementation of a robust and inclusive engagement process. The establishment of this panel is a new process for Metro Vancouver and is beyond the committees required by the Province. The panel convened in October 2020 and has met approximately monthly to discuss engagement best practices and goals, and to advise on the design of engagement on the solid waste management plan update. Throughout the two to three-year plan development process, the panel will advise on engagement implementation. A summary of panel meetings to date is found in Attachment 1. Pre-engagement was developed and implemented with the panel's guidance.

This report outlines the feedback received during pre-engagement, and this information will be used to inform a draft public engagement program that will be brought to the Board later this year.

PRE-ENGAGEMENT ON THE SOLID WASTE MANAGEMENT PLAN UPDATE

The public pre-engagement phase of the regional solid waste management plan update ran from April 27 to May 28, 2021, with Indigenous pre-engagement extending to July 2 in alignment with Metro Vancouver's Crown Regulatory Engagement process. The goals of pre-engagement were to learn about preferred communication channels, methods of participation, information needs, and what can be done to facilitate participation among a broad range of audiences in future phases. Engaging at this early stage is critical to a robust and transparent engagement program that is responsive to the needs of various audiences. Pre-engagement feedback will shape a multi-phased engagement program on the solid waste management plan update.

Audiences had opportunities to provide feedback by completing an online questionnaire, meeting with staff or a consultant online or by phone, and presenting to the Consultation and Engagement Panel. Key audiences included governments, including Indigenous Nations, regulatory agencies, the waste and recycling industry, waste producers, industry and business associations, community groups, environmental and non-profit groups, and Metro Vancouver residents.

Indigenous Pre-engagement

In parallel, Metro Vancouver initiated pre-engagement on the solid waste management plan update with potentially impacted Indigenous Nations, to learn how Nations wish to participate, what their values and priorities are, and what their interests are in relation to waste reduction, recycling and economic development. The intent is to use these learnings to collaboratively develop an Indigenous engagement strategy. Pre-engagement letters were sent to 10 First Nations with reserves or treaty lands within Metro Vancouver, 23 First Nations whose territories encompass all or part of Metro Vancouver, and the Métis Nation of British Columbia. The letters introduced the project, provided background information and offered opportunities to provide feedback via a meeting, online questionnaire or email. An email with background about the project and a link to the questionnaire was also sent to 17 urban Indigenous organizations within the region.

Metro Vancouver received feedback from four First Nations, including requests for capacity funding, and concerns raised about litter and garbage in rivers and waterways.

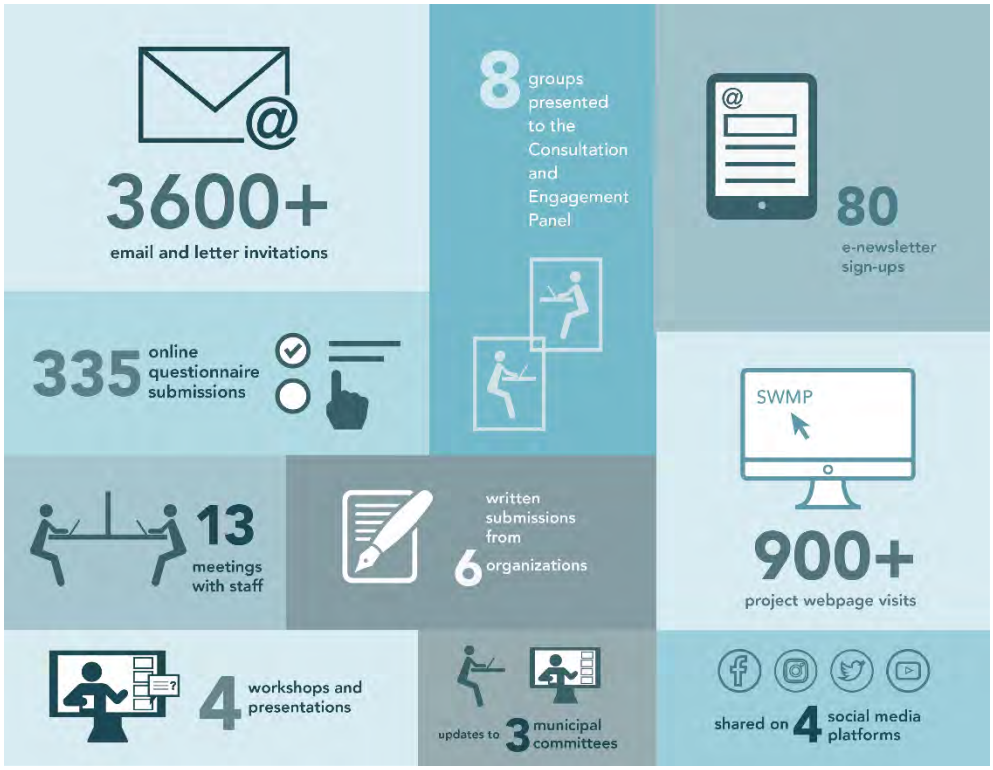
Public Pre-Engagement – Notifications Sent

At the start of pre-engagement, a project web page was launched and notifications sent to a broad range of audiences. Copies of email and letter notifications are found in Attachment 1.

- Letters were sent to Metro Vancouver member municipalities, adjacent regional districts, and Indigenous Nations.
- Emails were sent to over 3,600 contacts interested in receiving updates on Metro Vancouver solid waste topics or identified as being potentially impacted by the solid waste management plan. An additional follow-up email was sent to Boards of Trade and Chambers of Commerce in the region, and 27 organizations were sent a follow-up email to request meetings or interviews with staff.
- A social media promotion targeted residents and businesses in the Metro Vancouver region, and where possible, those interested in the environment and civic engagement, during the first and final weeks of the four-week pre-engagement period. The promotion during the final week resulted in 180 additional questionnaire submissions, with 97% of these responding on behalf of their household (as opposed to their organization). This demonstrates the effectiveness of social media to reach households and individual residents. Click-through rates were strong for Facebook (4.33%) and LinkedIn (3.11%). Social copy and creative assets were shared with member jurisdictions for their assistance in promoting the project.
- Website promotion included Metro Vancouver's home page, various solid waste related pages, and events page.

Summary of Participation

The following graphic displays a summary of pre-engagement through a variety of methods.



In addition to hearing from stakeholders and governments within the region, Metro Vancouver was invited to present to the Fraser Valley Regional District Board. The Metro Vancouver Chief Administrative Officer, Zero Waste Committee Chair, and the chair of the Consultation and Engagement Panel provided a presentation and engaged in a question and answer period. The Fraser Valley Regional District provided feedback on preferred communication and engagement channels, and followed up with a letter requesting clarity on waste-to-energy plans and potential impacts of the solid waste management plan to neighbouring regional districts (Attachment 2). Metro Vancouver provided the following information with respect to plans for future waste-to-energy:

> Metro Vancouver considers waste-to-energy to be a cost effective and environmentally sustainable way to manage residual garbage. Metro Vancouver's solid waste management plan update will focus on reduction, reuse, recycling and advancement of the circular economy. Our goal as a region is to avoid the requirement for any new disposal capacity, waste-to-energy or otherwise, through the success of our waste reduction actions.

The full Metro Vancouver response is included in Attachment 2. Metro Vancouver will continue to engage with the Fraser Valley Regional District and other adjacent regional districts throughout the plan development process.

Who We Heard From

During the pre-engagement phase, Metro Vancouver heard from organizations representing a variety of sectors potentially impacted by the solid waste management plan, listed below.

Sectors Providing Feedback During Pre-engagement	
Industry / Manufacturing	Tourism
Education and Post-Secondary	Government
Youth organization	Property Management
Environmental NGO	Non-governmental Organizations / Non-profits
Waste and Recycling Industry	Construction Industry
Retailer	Board of Trade / Chamber of Commerce / Business Improvement Association
Property Management	

In addition to the sectors listed above, Metro Vancouver heard from hundreds of residents/households, as described in the online questionnaire results section below. Attachment 1 documents all organizations, their sectors, and method(s) of participation.

Sector gaps

In addition to the broad call for feedback, 27 organizations representing key sector audiences were sent a follow-up request to participate in a meeting with staff. One or more organizations representing each of the following sectors met with Metro Vancouver staff:

- Academic Institutions / Post-Secondary
- Property Management
- Environmental NGO
- Waste and Recycling Industry
- Binner community

- Retail
- Tourism
- Youth
- Industry/Manufacturing (meetings requested by stakeholders)

Organizations representing the following sectors or community groups were invited to meet with staff but declined or did not respond. Note that some of these sectors did provide feedback via other mechanisms:

- Non English language speakers
- Cultural societies
- Small business
- Food service
- Construction and demolition
- Multi-family residences
- Resident community associations

Organizations that submitted online questionnaire responses primarily represented the waste and recycling industry and local government, followed by non-governmental organizations / non-profits. Few responses were submitted by the property management, industry/manufacturing, retailer, Board of Trade / Chamber of Commerce / BIA, Construction Industry, and Education sectors. No questionnaires were submitted by crown corporations, health authorities or medical facilities, seniors associations, youth associations, restaurant / food industry / grocery, or the accommodation sector. Respondents submitting questionnaires on behalf of their household were primarily from the City of Vancouver.

These learnings will be used to develop multi-phased engagement that includes strategies to reach out to less engaged sectors and work towards a more balanced geographical representation across the region, with the goal of designing and delivering a comprehensive engagement program that exceeds Metro Vancouver's typical process and provincial requirements.

Summary of Pre-Engagement Feedback
Stakeholders, including those who may have had previous concerns about engagement processes, were very supportive of the early pre-engagement phase and the establishment of the Consultation and Engagement Panel, demonstrating the importance and success of taking these early steps to shape a robust engagement program.

Several themes emerged through pre-engagement feedback as highlighted below. A table summarizing all feedback is in Attachment 1.

Engagement approach:

- early, continuous, and iterative opportunities to provide feedback
- clearly defined engagement purpose and expectations, and respect for the time required of busy stakeholders
- sufficient time allowed to gather and submit feedback
- more notifications and reminders to avoid missed messages
- transparency on how input is used, and factors considered when coming to a final decision
- collaboration with others to host engagement events and amplify communications

- fair and collaborative engagement that fosters active listening and an open mind, without pre-determined outcomes, thereby building or rebuilding trust among stakeholders and sectors

Engagement methods:

- a variety of online and in-person engagement opportunities
- focused, sector-specific discussions
- space for stakeholders with different interests to hear from each other, gain understanding of different perspectives, and form partnerships
- consider introducing incentives to encourage participation, and meeting audiences not typically engaged at their places of work/business, school, community, gathering places
- leverage existing committee and community group meetings (e.g. municipal and youth)

Language:
Note this feedback was given in English, in response to Metro Vancouver's notifications and information also provided in English

- English language communication is sufficient at this time (indicated by the majority of feedback)
- some requests for translation and support for the use of graphics
- some support for simplifying information, and other support for maintaining the complexity of concepts and options

Audiences:
Feedback included many suggestions for sector-specific contacts or organizations that should be included in future engagement on the solid waste management plan update. These contacts have been included in notify lists for future phases of engagement, and will be considered as future phases of engagement are designed. Some general categories that were highlighted included the following:

- equity-denied communities
- range of industry experts, including experts in new technology
- innovators
- small to medium businesses
- small haulers and small processing facilities
- associations: industry, tourism, building, business improvement Industry associations

Information required before providing feedback on solid waste management topics:

- accurate objective facts and data, including recycling and waste diversion statistics, as a foundation for conversations about the updated plan
- current solid waste management plan background
- existing solid waste systems and facilities (for collection and processing)
- trends in commodities markets
- fate of waste and recycling after it is collected
- private and public sector involvement in the waste and recycling system
- success stories of businesses and organizations
- who is responsible for solid waste management and zero waste policy, including the specific role of Metro Vancouver

- when presenting options, provide the impact of these options (e.g. financial and environmental)
- solid waste management challenges, including specific materials or sources that are difficult to recycle, reduce, or reuse
- global best practices
- latest research and new technologies
- specific scope of the solid waste management plan review (i.e. key topics and issues under consideration)

Solid waste areas of interest:
Areas of interest emerged through the pre-engagement process and are summarized in Attachment 1; these can be drawn upon when considering how to shape and design future phases of engagement on the content of the updated solid waste management plan.

Online questionnaire results:
While the summary of feedback above does incorporate learnings from online questionnaire responses, it is of interest to highlight a few unique details and insights provided by the questionnaire.

Metro Vancouver received 335 responses to the online questionnaire, predominantly from residents responding on behalf of their households (85%). Out of 50 that responded on behalf of their business or organization, the largest sector categories were the waste and recycling industry with 14 responses, and local government, government agencies and ministries with 11 responses. 79% of all respondents preferred email as a means of receiving information and updates on the solid waste management plan update process. This was followed by social media, notices in news media, and online presentations or meetings. 78% of all respondents preferred to provide feedback online via a questionnaire. This was followed by email, online comment sections, and online meetings or webinars.

Generally, feedback on preferred communication channels was similar between those responding on behalf of their household or organization, with email and online questionnaires being well supported. Note that for receiving information, organizations were more likely to prefer email and online presentations and meetings, whereas households were more likely to prefer social media and news media.

It is worth noting that these preferences represent the opinions of those who submitted feedback via an online questionnaire; therefore, the preferences for online engagement methods is understandable. Full questionnaire results are presented in Attachment 1.

Presentations to the Consultation and Engagement Panel
Eight stakeholder groups requested to speak with the Consultation and Engagement Panel. Participant groups were provided 10 minutes each to speak with the panel, including an introduction from the panel, presentation from the participant, and follow-up questions as time allowed. Three participants provided PowerPoint presentations, included in Attachment 1.

Two participants expressed concerns about the limited time provided for presenting to the panel, and miscommunication about how much time would be allotted. Both provided written submissions, included as the last two letters in Attachment 2. Recognizing the easy misinterpretation of meeting

instructions/time allotted, and unanticipated challenges that arose due to the online format, the Consultation and Engagement Panel offered all participants in the first round of meetings an additional opportunity to present to the panel. The two stakeholder groups expressing concerns participated in this additional opportunity. Following the additional presentation opportunity, the two stakeholder groups were sent follow-up emails inviting additional written feedback.

Opportunities will be provided for stakeholders to speak with the panel in each subsequent engagement phase of the solid waste management plan update. In response to feedback received, future opportunities will be designed to allow adequate time for stakeholders to present to the panel, and steps will be taken to ensure instructions and expectations are very clear at the outset to avoid misinterpretation.

Feedback from Consultation and Engagement Panel
Below is feedback provided directly by the Consultation and Engagement Panel on the design and implementation of the pre-engagement phase.

> The Solid Waste Management Plan Independent Consultation and Engagement Panel was pleased by Metro Vancouver's decision to have a pre-engagement phase as part of the solid waste management plan update. Our observation was that stakeholders also very much appreciated this effort and that it may be an effective practice for Metro Vancouver on all large plan updates to help build trust and reinforce a tone of an open and transparent engagement process.
>
> During the pre-engagement phase, the panel provided feedback and suggestions to staff for approaches to pre-engagement on both the public and Indigenous engagement strategies as well as connections to stakeholders in a variety of communities, especially those that are traditionally not well-represented in engagement on Metro Vancouver policy development. We also met with stakeholders that wanted to present to the panel, and our panel Chair was part of the Metro Vancouver delegation requested by the Fraser Valley Regional District.
>
> We substantially agree with the points that staff have made in their report on pre-engagement to the Zero Waste Committee. A few things that we would particularly highlight for reflection:
>
> - There is a trust deficit with some stakeholders. Ensuring the objectivity of how information is presented, and providing timely updates and access to information to allow stakeholders ongoing opportunities to provide additional input, will be important throughout the solid waste management plan update engagement process. We expect that contemplated committees, including the Industry Advisory Committee along with the provincially required public and technical advisory committee(s), will also play a key role.
> - The pre-engagement process saw very little participation from what Metro Vancouver has defined as equity-denied groups. This gives a good sense of the limits of relying on the usual distribution channels and speaks to the need for new and novel tactics in the solid waste management plan update engagement strategy to ensure that these communities are reached.
> - Engagement with Indigenous Nations and peoples will be a dynamic process as relationships evolve and deepen, and the expectations of new provincial legislation

are more fleshed out. The provincial government's recently released *Declaration on the Rights of Indigenous Peoples Act (DRIPA)* Draft Action Plan provides some emerging guidance to reflect on moving forward.

Public and Technical Advisory Committee(s)

Metro Vancouver will be convening individuals with relevant personal qualities and experiences to sit on public and technical advisory committee(s) for the solid waste management plan update, as required by provincial guidelines. The guidelines allow separate committees or a single combined committee. Committee members will have lived or technical experience related to reducing waste and advancing the circular economy and/or waste management in general, and members will be selected following an open call for applications. Engagement with Indigenous Nations and communities is expected to be coordinated through a parallel, collaborative process.

Consistent with Metro Vancouver's efforts to be fully transparent and consider as many perspectives as possible throughout the solid waste management plan development process, Metro Vancouver will engage on the structure and membership selection criteria of the committee(s) prior to initiating the call for applications.

A questionnaire will be issued to seek input on whether there be a single combined committee or separate technical and public committees, what sectors and interests should be represented on the committee(s), and what personal qualities and experience members should have, as described below. Stakeholders will also be invited to provide written feedback in addition to or instead of completing the questionnaire. The final criteria for selection of committee(s) members will be brought to the Zero Waste Committee and Board for consideration, and individual members will be recommended to the Zero Waste Committee and Board in a closed meeting following review of applications.

The following is an initial list of sectors/interests that could be represented by committee(s) members:

- Adjacent regional district elected official
- Circular economy
- Construction and demolition industry
- Extended producer responsibility programs
- Food service
- Government agencies and health authorities
- Large waste generators (e.g. academic institutions, transportation hubs, entertainment sector)
- Multi-family residences
- Non-governmental/non-profit organizations and environmental stewardship groups
- Public members-at-large (e.g. youth, seniors, and multicultural, accessibility, and resident/community associations)
- Recycling industry
- Retail/grocery
- Small- and medium-sized businesses
- Waste industry

The following is an initial list of committee(s) members' personal qualities, perspectives and experience:

- Demonstrates community/committee involvement and the ability to work collaboratively with others
- Demonstrates personal commitment to zero waste/circular economy goals
- Demonstrates the ability to advance innovation
- Experienced with waste and recycling (i.e. lived experience, technical expertise or both)
- May belong to a community that is typically underrepresented (e.g. women, LGBTQ2S+, Indigenous persons, immigrants, visible minority, persons with disabilities, youth etc.)
- Represents the interests/perspectives of a group of people/sector

Pre-Engagement Process Learnings

This is the first time that the Metro Vancouver Solid Waste Services Department has included a pre-engagement phase in a public engagement process, and it has proven to be a valuable component to a robust engagement program. Multiple stakeholders expressed support for early engagement, including pre-engagement. It also provided a mechanism to test run the level of reach using Metro Vancouver's usual engagement methods, and revealed areas where more analysis will be important to design future engagement to reach sectors that did not respond. Allowing more time for pre-engagement feedback and more opportunities for stakeholders to speak with the Consultation and Engagement Panel may be beneficial in the future.

It is also important to note that because the pre-engagement phase occurred during the height of COVID-19 pandemic restrictions in BC, many of the typical in-person engagement methods could not be used. In-person pre-engagement methods may have revealed some different pre-engagement feedback. As the solid waste management plan update process will be a multi-year process, there will be opportunities to respond future feedback on engagement process, and to adapt engagement approaches and methods even as subsequent phases of engagement are designed and launched. Attachment 3 presents an engagement timeline that will be updated as engagement progresses.

Publication of Written Correspondence Related to the Solid Waste Management Plan Update

In an effort to maintain transparency and allow stakeholders to view feedback from others throughout the engagement process, any written correspondence received in relation to the solid waste management plan update process will be included as attachments to publicly available engagement reports to the Zero Waste Committee and Board, and made available on the Metro Vancouver website for stakeholders to easily access and view, unless the author requests that the submission not be made public. Authors will be notified in advance of the intent to publish their submissions. To avoid duplication and ensure all submissions related to the solid waste management plan are published in a fair and equal manner, correspondence on this topic will not be additionally included as information items on Zero Waste Committee agendas. Written correspondence to be published includes:

- Letters (received by mail or electronically)
- Emails containing substantive comments in response to specific engagement phases, including attachments
- PowerPoint presentations submitted alone or as part of a presentation given to staff or the Consultation and Engagement Panel

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

Activities related to planning for and implementing the pre-engagement phase of the solid waste management plan update are covered under the approved Solid Waste Services budget. There are no additional financial implications.

CONCLUSION

To deliver a robust engagement process that goes above and beyond Metro Vancouver's typical process, exceeds provincial requirements, and addresses previous concerns raised about engagement, a pre-engagement phase was introduced to help shape the engagement process and phases for the solid waste management plan update.

Feedback from the pre-engagement phase of the regional solid waste management plan update will inform an engagement program for the project which will be brought to the Board later this year, including timing and details for subsequent engagement phases. During pre-engagement, Metro Vancouver received feedback from over 350 individuals or groups on preferred communication channels, methods of participation, and information needs to support engagement in future phases of the solid waste management plan update process, via a variety of engagement methods. Feedback included support for a variety of online and in person engagement opportunities including focused, sector-specific discussions, and early, continuous opportunities to provide feedback. Participants supported collaborative, transparent engagement process.

A questionnaire will be issued to help inform the structure and membership selection criteria for public and technical advisory committee(s) for the solid waste management plan update. The results of that questionnaire and proposed structure and selection criteria of the committee(s) will be brought to the Board later this year prior to an open call for applications and establishment of the committee(s).

Attachment 3 presents an engagement timeline that will be updated as engagement progresses.

Attachments *(Orbit #46246217)*

1. Solid Waste Management Plan Update - Pre-Engagement Records
2. Written Submissions and Metro Vancouver Responses
3. Solid Waste Management Plan Engagement Timeline

References

Solid Waste Management Plan Pre-Engagement Video

45781820

Solid Waste Management Plan Update - Pre-Engagement Records

Index:

1. Summary of Solid Waste Management Plan Independent Consultation and Engagement Panel Meetings
2. Notification emails and letters
3. Sectors and Organizations Providing Feedback
4. Issues Identified
5. Stakeholder Presentations to the Consultation and Engagement Panel
6. Solid Waste Areas of Interest
7. Online Public Pre-Engagement Questionnaire Results

1 – Summary of Solid Waste Management Plan Independent Consultation and Engagement Panel Meetings

Meeting #1: October 27, 2020

- Learned about panel members' experiences and expertise
- Shared perspectives around meaningful engagement and professional experience

Meeting #2: November 23, 2020

- Received a high-level overview of solid waste and recycling management systems in the region
- Reviewed previous engagement leading up to development of the current solid waste management plan, and discussed learnings
- Discussed key audiences and reviewed Provincial guidelines for engagement

Meeting #3: December 14, 2020

- Drafted guiding principles and objectives of engagement
- Discussed pre-engagement strategies
- Discussed phases of engagement, audiences, and engagement methods

Meeting #4: January 12, 2021

- Reviewed detailed pre-engagement methods and approach
- Reviewed draft public engagement program

Meeting #5: February 16, 2021

- Discussed Indigenous engagement approach
- Reviewed pre-engagement plans
- Planned for upcoming Stakeholder / Panel meetings

Meeting #6: April 19, 2021

- Continue pre-engagement planning
- Discuss potential advisory committee structure and criteria

Meeting #7: May 17, 2021

- Series of stakeholder meetings with the Consultation and Engagement Panel
- Stakeholder / Panel meeting debrief
- Pre-engagement update

Meeting #8: June 18, 2021

- Review pre-engagement feedback

2 – Notification Emails and Letters

Email to solid waste database (3,566 successful recipients):

metrovancouver | SOLID WASTE



Join the Conversation:
Help Shape Solid Waste Policy in Metro Vancouver

You are receiving this message as you have subscribed to receive notifications about Metro Vancouver projects, services, and initiatives.

To continue receiving updates, please click here to sign up or adjust your topics of interest to include "Solid Waste Management Plan Update". ***Note that unless you are signed up to receive updates on this specific topic, you will not receive regular updates on this project.***

Metro Vancouver is responsible for waste reduction, recycling planning, and the operation of a series of solid waste facilities in the region. Metro Vancouver's solid waste management plan is due for an update. This long-range plan guides the management of solid waste and recyclable materials in the region including key goals, targets and strategies.

Your voice matters

Help shape the public engagement process. Let us know how and how often you'd like to hear from us, and what information you would need from us to provide feedback on solid waste management topics and issues.

To learn more or provide feedback:

- Visit our engagement web page to learn more about this project and complete our 3-minute pre-engagement questionnaire. The questionnaire closes **May 28, 2021**.
- Email zerowaste@metrovancouver.org to set up an online meeting with our staff project team or consultant.
- Sign up for a timeslot on **May 17, 2021** to speak directly with members of the Consultation and Engagement Panel, by emailing zerowaste@metrovancouver.org. This is an independent panel of engagement experts established to advise and guide Metro Vancouver as we develop and implement an engagement program. Panel members are listed on our web page.
- Sign up here to receive future updates and invitations to engagement events and activities. Be sure to click "Solid Waste Management Plan update" as a topic of interest.

Chat with the Chair

Watch Jack Froese, Chair of Metro Vancouver's Zero Waste Committee and host Jaeny Baik, a former CBC broadcaster, as they discuss how 'zero waste' can be achieved by working towards a circular economy.



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Email to Urban Indigenous contacts (17 successful recipients):



Join the Conversation:
Help Shape Solid Waste Policy in Metro Vancouver

You are receiving this message as you or your organization may be impacted by Metro Vancouver's solid waste management plan update.

If you do not wish to receive any future notifications about Metro Vancouver projects, services, and initiatives, please email zerowaste@metrovancouver.org.

Metro Vancouver is responsible for waste reduction, recycling planning, and the operation of a series of solid waste facilities in the region. Metro Vancouver's solid waste management plan is due for an update. This long-range plan guides the management of solid waste and recyclable materials in the region including key goals, targets and strategies.

Your voice matters

Help shape the Indigenous engagement approach. Metro Vancouver is committed to collaborating with Indigenous Nations, communities and organizations in developing

and implementing a solid waste management plan that responds to your values and priorities. We would like to learn about your priorities and areas of interest in waste reduction, recycling, and economic development, and how you would like to engage with us.

To learn more or provide feedback:

- Complete our short Indigenous pre-engagement questionnaire **by July 2, 2021.**
- Visit our engagement web page if you'd like to learn more about this project.
- Email zerowaste@metrovancouver.org to set up an online meeting with our staff project team or consultant.
- Sign up for a timeslot on **May 17, 2021** to speak directly with members of the Consultation and Engagement Panel, by emailing zerowaste@metrovancouver.org. This is an independent panel of engagement experts established to advise and guide Metro Vancouver as we develop and implement an engagement program. Panel members are listed on our web page.

Chat with the Chair

Watch Jack Froese, Chair of Metro Vancouver's Zero Waste Committee and host Jaeny Baik, a former CBC broadcaster, as they discuss how 'zero waste' can be achieved by working towards a circular economy.



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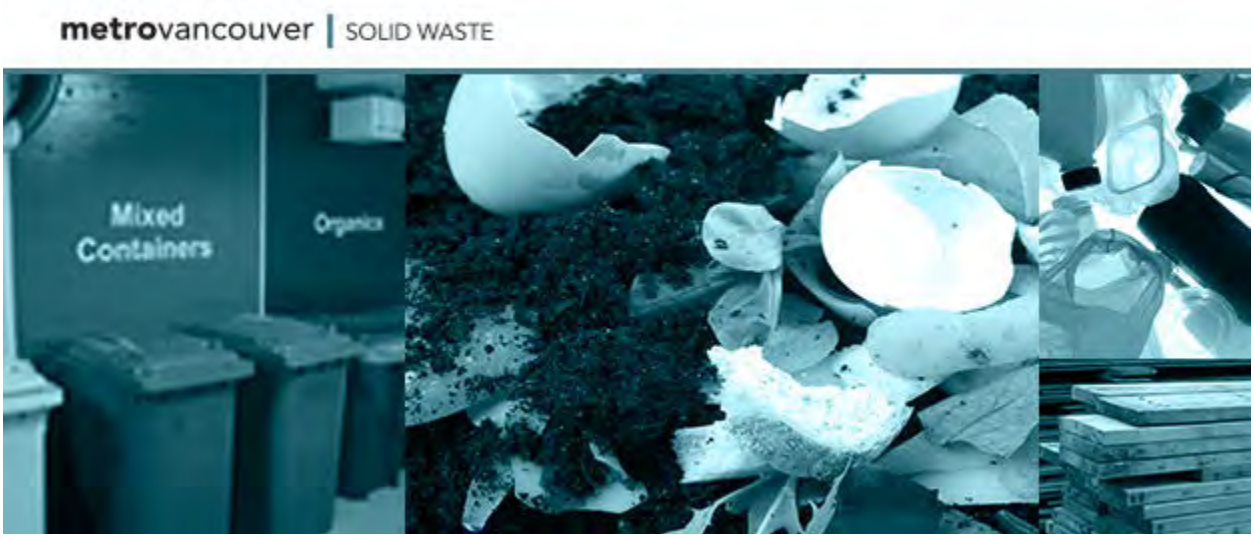
If you prefer to unsubscribe from this mailing list, click the unsubscribe link here

Email to organizations identified as being potentially impacted by solid waste management plan – notify only at milestones or at launch of new phases of engagement (99 successful recipients):



Join the Conversation:
Help Shape Solid Waste Policy in Metro Vancouver

You are receiving this message as you or your organization may be impacted by Metro Vancouver's solid waste management plan update.

To receive regular updates on this project, please click here to sign up – select "Solid Waste Management Plan Update" as your topic of interest. ***You will not be automatically added to this list.***

If you do not wish to receive any future notifications about Metro Vancouver projects, services, and initiatives, please email zerowaste@metrovancouver.org.

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Your voice matters

Help shape the public engagement process. Let us know how and how often you'd like to hear from us, and what information you would need from us to provide feedback on solid waste management topics and issues.

To learn more or provide feedback:

- Visit our engagement web page to learn more about this project and complete our 3-minute pre-engagement questionnaire. The questionnaire closes **May 28, 2021**.
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- Sign up here to receive future updates and invitations to engagement events and activities. Be sure to click "Solid Waste Management Plan update" as a topic of interest.

Chat with the Chair

Watch Jack Froese, Chair of Metro Vancouver's Zero Waste Committee and host Jaeny Baik, a former CBC broadcaster, as they discuss how 'zero waste' can be achieved by working towards a circular economy.


10:24
Jack Froese
Chair, Metro Vancouver Zero Waste Committee
CC
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Follow-up email to Boards of Trade and Chambers of Commerce – May 20, 2021:



SPRING 2021

Metro Vancouver Management Plan Update

Upcoming Engagement Opportunities

At Metro Vancouver, we rely on our relationships with the business community to help plan for a livable, prosperous and sustainable region. As we prepare to update long-term management plans across a number of our core services, we are seeking your input, to better understand your members' realities, values and challenges.

To ensure you're aware of opportunities to have your voice heard across all the management plan updates, we would like to regularly reach out, on a quarterly basis, with a summary of current and upcoming engagement opportunities - from panel discussions, webinars, workshops and online feedback, to direct communication and presentations to your board of trade / chamber of commerce. We hope this approach will make it easier for your organization to provide feedback.

To make sure these updates are reaching the most appropriate members of your organization, please let us know the best person to contact as opportunities for engagement arise.

Metro Vancouver Management Plans

Long-term, integrated management plans are the foundational documents that guide Metro Vancouver's areas of legislated responsibility: Drinking Water, Regional Parks, Liquid Waste, Solid Waste, Air Quality, Housing and Regional Growth. To ensure that these regional plans capture current realities and needs, they are regularly updated every 8 to 10 years.

In this first of a regular series of updates, we are highlighting two management plan engagement opportunities, for the *Solid Waste Management Plan* and the *Clean Air Plan*.



Help our region shape a new *Solid Waste Management Plan*

Metro Vancouver is responsible for waste reduction, recycling planning, and the operation of a series of solid waste facilities in the region.

The regional *Solid Waste Management Plan* contains goals, targets, and actions for waste reduction and recycling. The plan is due for an update, to identify opportunities to accelerate waste reduction and diversion while reducing



greenhouse gases and
promoting a circular economy.

We'd like to hear more about your preferred communication channels, methods of participation, key information required, and what is needed to make participation easier.

Read more about the *Solid Waste Management Plan* update and let us know how you'd like to participate in engagement.

- Solid Waste Management Plan pre-engagement questionnaire
- Schedule a call with Metro Vancouver staff or a consultant who can summarize your feedback

Solid Waste Management Plan Engagement

Solid Waste Management Plan Engagement



Metro Vancouver's draft *Clean Air Plan* – comment period open to June 15

Metro Vancouver's draft 2021 *Clean Air Plan* is the regional plan for managing air quality and greenhouse gases over the next 10 years. Actions in the plan will reduce air contaminant emissions, including greenhouse gases, and support the commitment to a carbon neutral region by 2050. The *Clean Air Plan* will also help improve air quality in the region.

The draft plan includes over 130 actions and recommendations in key are to reduce emissions from the largest sources in this region transportation of people and goods, buildings we live and work in, industrial sources, a others.



Your input is valued

Metro Vancouver is seeking comments and feedback on the proposed actions, and suggestions for implementation. You are invited to review the plan and provide your feedback through a public forum and/or by submitting a feedback form. Learn more about the Clean Air Plan.

- Draft *Clean Air Plan*
- Draft *Clean Air Plan* summary
- Provide feedback on the Draft *Clean Air Plan*
- Email the project team directly to provide feedback or request more information

Clean Air Plan Engagement

Clean Air Plan Engagement

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Letter to Metro Vancouver member jurisdictions:
*Note that Tsawwassen First Nation received the solid waste management plan pre-engagement letter sent the letter to Local First Nations, and is therefore not included in the list below.

Bowen Island Municipality	City of Richmond
City of Burnaby	City of Surrey
City of Coquitlam	City of Vancouver
City of Delta	City of White Rock
City of Langley	District of North Vancouver
City of Maple Ridge	District of West Vancouver
City of New Westminster	Electoral Area A
City of North Vancouver	Township of Langley
City of Pitt Meadows	Village of Anmore
City of Port Coquitlam	Village of Belcarra
City of Port Moody	Village of Lions Bay

Executive Offices
Tel. 604 432-6215 or via email
CAOAdministration@metrovancouver.org

April 27, 2021

File: PE-13-01

[redacted]
VIA EMAIL: [redacted]

Dear [redacted]

Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, and would like to learn how [redacted] would like to be engaged in the development of the new plan over the next two to three years.

The *Integrated Solid Waste and Resource Management Plan* was approved by the Provincial Government in 2011 and requires an update. By applying a framework of resilience, equity and prosperity, the updated plan will build on the current plan's strengths and identify opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.

A comprehensive engagement program involving a broad range of stakeholders and perspectives will be critical in the development of an updated solid waste management plan. Metro Vancouver's engagement on this project is guided by an Independent Consultation and Engagement Panel, a group of engagement experts established to advise and guide Metro Vancouver staff and Board.

Seeking Your Feedback

Metro Vancouver would like to learn how [redacted] would like to be notified of engagement opportunities and provide input at various stages in the plan development process (e.g. preferred channels of communication, level and frequency of updates). The information we receive will help shape an engagement program that describes engagement phases, methods and audiences, and strives to align with the priorities and preferences of a broad range of audiences. This pre-engagement phase will close on **May 28, 2021**.

Metro Vancouver will work closely with municipal staff through the REAC-Solid Waste Sub-Committee to understand and identify opportunities to advance waste reduction and recycling in key

priority areas, such as single-use items, illegal dumping, and construction and demolition waste. Although the development of a new solid waste management plan is anticipated to be a two- to three-year process, Metro Vancouver and municipal staff will continue to work together in the interim to advance efforts in these key areas.

An engagement web page has been developed and is available here or at metrovancouver.org by searching 'solid waste management plan engagement'. The web page describes the project, outlines the phases of engagement, and links to a 3-minute questionnaire.

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule an online meeting or presentation with Metro Vancouver, a third party consultant that will summarize feedback, or the Consultation and Engagement Panel, please contact Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, by email at Sarah.Evanetz@metrovancouver.org or by phone at 778-995-3476.

Thank you in advance for your consideration.

Your sincerely,

Sav Dhaliwal
Chair, Metro Vancouver Board

Jack Froese
Chair, Zero Waste Committee

SD/JF/PH/sl

44113443

Letter to adjacent regional districts:
**the following letter was sent to the Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District*

Executive Offices
Tel. 604 432-6215 or via email
CAOAdministration@metrovancouver.org

April 28, 2021

File: PE-13-01

[redacted] Regional District
[redacted]
[redacted]
VIA EMAIL: [redacted]

[redacted]:

Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan and would like to learn how the [redacted] would like to be engaged in the development of the new plan over the next two to three years.

The *Integrated Solid Waste and Resource Management Plan* was approved by the Provincial Government in 2011 and requires an update. By applying a framework of resilience, equity and prosperity, the updated plan will build on the strengths of the current plan and identify opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.

A comprehensive engagement program involving a broad range of stakeholders and perspectives will be critical in the development of an updated solid waste management plan. Metro Vancouver's engagement on this project is guided by an Independent Consultation and Engagement Panel, a group of engagement experts established to advise and guide Metro Vancouver staff and Board.

Seeking Your Feedback

Metro Vancouver would like to learn how the [redacted] would like to be notified of engagement opportunities and provide input at various stages in the plan development process (e.g. preferred channels of communication, level and frequency of updates). The information we receive will help shape an engagement program that describes engagement phases, methods and audiences, and strives to align with the priorities and preferences of a broad range of audiences. This pre-engagement phase will close on **May 28, 2021**.

45031013

An engagement web page has been developed and is available here or at metrovancouver.org by searching 'solid waste management plan engagement'. The web page describes the project, outlines the phases of engagement, and links to a 3-minute questionnaire.

In addition to the questionnaire, below are several other opportunities to provide feedback on the engagement process for the development of a new solid waste management plan:

- Presentation to the [redacted] Regional District Board
- Meeting with Metro Vancouver
- Meeting with a third party consultant that will summarize feedback
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan or would like to schedule one of the above opportunities, please contact Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, by email at Sarah.Evanetz@metrovancouver.org or by phone at 778-995-3476.

Thank you in advance for your consideration.

Your sincerely,





Sav Dhaliwal
Chair, Metro Vancouver Board

Jack Froese
Chair, Zero Waste Committee

SD/JF/PH/sl

45031013

Letter to Local First Nations:

Katzie First Nation
Kwantlen First Nation
Kwikwetlem First Nation
Matsqui First Nation
Musqueam Indian Band
Qayqayt First Nation
Semiahmoo First Nation
Squamish Nation
Tsawwassen First Nation
Tsleil-Waututh Nation

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Office of the Chair
Tel. 604 432 6215 or via email
CAOAdministration@metrovancouver.org

April 27, 2021

File: CP-16-01

[redacted]
VIA EMAIL: [redacted]

Metro Vancouver's Solid Waste Management Plan Update

[redacted]:

Metro Vancouver is updating its solid waste management plan, and would like to learn how the [redacted] wishes to participate in the development of the new plan over the next two to three years.

Developed by Metro Vancouver's Board and approved by the Provincial Government in 2011, the current *Integrated Solid Waste and Resource Management Plan* established goals and targets for waste reduction and recycling, and contained supporting strategies and actions for Metro Vancouver and its member jurisdictions. For reference, the plan can be downloaded from metrovancouver.org by searching "solid waste management plan".

Over the next two to three years, Metro Vancouver is updating the plan and hopes to engage with Indigenous peoples, stakeholders, governments, and communities of interest. By applying a framework of resilience, equity and prosperity, the updated plan will build upon the strengths of the current plan to identify opportunities to accelerate waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy that minimizes waste, maintains materials at their highest value, and generates economic opportunities in the region. Metro Vancouver's engagement on this project is guided by the Independent Consultation and Engagement Panel, a group of engagement experts established to advise and guide Metro Vancouver staff and Board.

43634479

Metro Vancouver is committed to collaborating with [redacted] in developing and implementing a solid waste management plan that responds to your values and priorities. We would like to learn about your community's priorities and areas of interest in waste reduction, recycling, and economic development and how you would like to engage with us. We welcome your input via email, letter, online submission (available here) or a meeting, to help shape an Indigenous engagement strategy for this project.

Given the current COVID-19 meeting constraints, we would be pleased to schedule an online meeting with your staff, or alternatively can present to Chief and Council at your convenience to determine how we can best work together toward the development of the new plan for solid waste in the region.

We would appreciate meeting with or receiving comments from you before **July 2, 2021** about how to structure engagement on developing the plan. If you're not able to participate in this initial phase we understand, but do hope we can connect at a later date on the content of the plan. There will be multiple future opportunities to help shape the content of the solid waste management plan.

If you have any questions or require additional information regarding the update of Metro Vancouver's solid waste management plan, or wish to schedule a meeting or presentation with Metro Vancouver, a third party consultant that will summarize feedback, or the Engagement Panel, please contact Nanette van Doorn by email at Nanette.vanDoorn@metrovancouver.org or by phone at 604-451-6073. More information is available here or at metrovancouver.org by searching 'solid waste management plan engagement'.

Thank you in advance for your consideration and I look forward to the opportunity of working together.

Yours sincerely,

Sav Dhaliwal
Chair, Metro Vancouver Board

SD/PH/sl

43634479

Letter to First Nations whose territories encompass all or part of Metro Vancouver, and the Métis Nation of British Columbia:

Cowichan Tribes	Skawahlook First Nation
Douglas Band (Xa'xtsa)	Snaw-Naw-As First Nation (Nanoose First Nation)
Halalt First Nation	Soowahlie First Nation
Lake Cowichan First Nation	St'at'imc Chiefs Council (Lillooet Tribal Council)
Lyackson First Nation	Sto:lo Nation
Pauquachin First Nation	Sto:lo Tribal Council
Penelakut Tribe	Stz'uminus First Nation
Peters First Nation	Te'mexw Treaty Association
Samahquam First Nation	Tsartlip First Nation
Seabird Island Band	Tsawout First Nation
Shxw'ow'hamel First Nation	Tseycum First Nation
Skatin Nations	Métis Nation of BC

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Office of the Chair
Tel. 604 432-6215 or via email
CAOAdministration@metrovancouver.org

April 28, 2021

File: PE-13-01

[redacted]
VIA EMAIL: [redacted]

Metro Vancouver's Solid Waste Management Plan Update

Dear [redacted]:

Metro Vancouver is updating its solid waste management plan, and would like to learn how the [redacted] wishes to participate in the development of the new plan over the next two to three years.

Developed by Metro Vancouver's Board and approved by the Provincial Government in 2011, the current *Integrated Solid Waste and Resource Management Plan* established goals and targets for waste reduction and recycling, and contained supporting strategies and actions for Metro Vancouver and its member jurisdictions. For reference, the plan can be downloaded from metrovancouver.org by searching "solid waste management plan".

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43940884

We would like to learn about your priorities and areas of interest in waste reduction, recycling, and economic development and how you would like to engage with us. We welcome your input via email, letter or online submission (available here), to help shape an Indigenous engagement strategy for this project.

We would appreciate receiving comments from you before **July 2, 2021** about how to structure engagement on developing the plan. If you're not able to participate in this initial phase we understand, but do hope we can connect at a later date on the content of the plan. There will be multiple future opportunities to help shape the content of the solid waste management plan.

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Thank you in advance for your consideration and I look forward to the opportunity of working together.

Yours sincerely,



Sav Dhaliwal
Chair, Metro Vancouver Board

SD/PH/nvd

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3 – Sectors and Organizations Providing Feedback

Organization Name	Sectors Providing Feedback During Pre-engagement	Method of participation / input
BSIbio Packaging Solutions Inc.	Industry / Manufacturing	• Interview with staff • Presentation to the panel • Questionnaire
Simon Fraser University (SFU)	Post-Secondary	• Interview with staff
Building Owners and Managers Association (BOMA)	Property Management	• Interview with staff
Associated Labels and Packaging	Industry / Manufacturing	• Interview with staff • Questionnaire
Share, Reuse, Repair Initiative	Environmental NGO	• Interview with staff
Binners' Project	Waste and Recycling Industry	• Interview with staff • Questionnaire
Recycling Council of BC	Waste and Recycling Industry	• Interview with staff
Supernova Waste to Energy Inc.	Waste and Recycling Industry	• Interview with staff • Questionnaire
Retail Council of Canada	Retailer	• Interview with staff
Waste Connections of Canada	Waste and Recycling Industry	• Presentation to the panel • Written submission
Revolution Resource Recovery	Waste and Recycling Industry	• Presentation to the panel • Written submission
Clothing retailer (requested to be anonymous)	Retailer	• Email
Tourism Vancouver	Tourism	• Interview with staff
BCIT	Post-Secondary	• Interview with staff
CityHive	Youth	• Interview with staff
Waste Management Association of BC	Waste and Recycling Industry	• Letter • Presentation to the panel
Super Save Group	Waste and Recycling Industry	• Presentation to the panel
Fraser Valley Regional District	Government	• Letter • Invited presentation at FVRD Board meeting
HSR Zero Waste	Waste and Recycling Industry	• Questionnaire • Presentation to the panel
Revolution Resource Recovery	Waste and Recycling Industry	• Questionnaire • Presentation to the panel • Written submission
Master Recycler	Environmental NGO	• Presentation to the panel
Republic Services	Waste and Recycling Industry	• Presentation to the panel
Waste Management Association of BC (WMABC)	Waste and Recycling Industry	• Presentation to the panel • Written Submission • Questionnaire
Agricultural Advisory Committee		• Presentation
LandlordBC	Property Management	• Interview questions via email • Questionnaire
OneEarth	Environmental NGO	• Interview with staff

Metro Vancouver member municipalities	Government	• Municipal Workshop • Letter (City of Port Moody and Village of Belcarra
Ministry of Environment	Government	• Municipal workshop
• BC Used Oil Management Association • BentallGreenOak • Business Council of BC • Cadillac Fairview • City of Burnaby • City of North Vancouver • City of North Vancouver • City of Surrey • Ecowaste Industries Ltd. • Empower Environmental Solutions • EZEE Hoarding Inc. • North Shore Table Matters network • Recycling Committee of Marina Housing Co-op (multi-family building in Vancouver) • Regional District of Nanaimo • Rethink2gether • Sea to Sky Removal • Squamish-Lillooet Regional District • Surrey Schools • Sustainabiliteens • Tri-Cities Chamber of Commerce • Tymac Launch Service Ltd. • Urban Development Institute • Vancouver Native Housing Society • Willowbrook Recycling Inc • Zwapitico	• Waste and recycling industry – 28% • Local Government, Government Agencies and Ministries – 22% • Non-Governmental Organizations / Non-profits – 16% • Other sectors: Property management, Industry/Manufacturing, Construction Industry, Education, Retailer, Board of Trade / Chamber of Commerce / Business Improvement Association	• Questionnaire

4 – Issues Identified

Issue #	Category	Issue / Feedback	Source(s) by Engagement Method	Source(s) by Sector
1	Audiences	Bring in multiple jurisdictions with different responsibilities to the table. Let stakeholders hear from each other to gain a better understanding. Systems between adjacent regions are highly interconnected and partnerships have the potential to bring improvements to waste diversion, the environment, airshed health, and economy	Interviews and Written submission	Industry / Manufacturing, Government
2	Audiences	Include construction contractors	Interview	Post-Secondary
3	Audiences	Include the food industry, and manufacturers of food packaging and labels	Interview	Industry/Manufacturing
4	Audiences	Include innovators, small to medium businesses who are adopting circular economy practices, production, and economic development, as well as representative from finance, insurance/risk, culture/people	Interview	Environmental NGO
5	Audiences	Include adjacent regional districts, smaller businesses, small haulers, small processing facilities	Interview	Waste and Recycling Industry
6	Audiences	Engage with employees on the ground - elevate those perspectives as experts in their own organizations.	Interview	Tourism
7	Audiences	Engage a wide range of industry experts	Presentation to the panel	Waste and Recycling Industry
8	Audiences	Youth groups are keen to engage on sustainability	Workshop / Presentation	Government
9	Audiences	Include Chambers of Commerce, Boards of Trade, and business councils	Workshop / Presentation	Government
10	Audiences	Engage with industry associations, tourism associations, building associations, and Business Improvement Areas	Workshop / Presentation	Government
11	Audiences	Reach out to schools through existing environmental outreach programs in partnership with school districts	Workshop / Presentation	Government
12	Audiences	Engage youth through existing networks. Youth are interested and eager to understand the system, process, roles and responsibilities	Interview	Youth associations

13	Audiences	For youth not currently engaged in existing networks: meet them where they are at. Partner with service agencies or community groups. Offer incentives, honorariums or food.	Interview	Youth associations
14	Communication	Work with partners on the ground to distribute or display educational materials		Environmental NGO, Government, Waste and Recycling Industry
15	Communication	Lots of communication is best and promotes transparency. Often reminders are necessary as stakeholders are busy.	Presentation to the panel	Waste and Recycling Industry
16	Communication	Information needs to be presented and communicated in a firm and honest manner	Written submission	Waste and Recycling Industry
17	Engagement approach	Allow sufficient time for thorough engagement and provision of feedback.	Interviews and Presentations to the panel	Post-Secondary, Waste and Recycling Industry
18	Engagement approach	Early and continuous engagement and communication is key, including involving community members and industry prior to decision making or changes. Iterative process that brings parties together multiple times, not just individual voices. Modify the process if needed.	Interviews and Presentations to the panel	Waste and Recycling Industry, Post-Secondary, Tourism, Propoerty Management, Industry/Manufacturing, Environmental NGO
19	Engagement approach	Transparency on how input was used and reasons why decisions were made. Strong feedback loops. Especially important if decisions are made contrary to stakeholder feedback. Work with stakeholders to understand reasons, or explore alternatives together.	Interviews and Presentations to the panel	Post-Secondary, Waste and Recycling Industry, Industry/Manufacturing
20	Engagement approach	Favour a hands on approach. Beyond being heard, we want to be part of pilots or activities to find solutions. Engagement process itself is an opportunity to network and advance and activate initiatives and partnerships even while we go through the planning process	Interviews	Industry / Manufacturing, Environmental NGO

21	Engagement approach	Be respectful of time. Many key audiences are very busy. Design engagement to accommodate busy schedules. Compensation may be beneficial.	Interviews and Presentations to the panel	Industry / Manufacturing, Environmental NGO, Waste and Recycling Industry, Retail
22	Engagement approach	Clearly define purpose of engagement and expectations of the participant, what components of the plan are up for discussion / what issues will or will not be considered, and what participants should expect at the end of the process	Interviews and Presentations to the panel	Waste and Recycling Industry, Environmental NGO
23	Engagement approach	Engagement is needed during the implementation phase of the plan as well	Presentation to the panel	Industry / Manufacturing, Waste and Recycling Industry
24	Engagement approach	Listen actively and reflect concerns objectively	Interview and Presentation to the panel	Retail, Waste and Recycling Industry
25	Engagement approach	Need to have an open mind to foster open, fair, balanced, and collaborative engagement. No pre-determined outcomes	Presentation to the panel and Written submission	Waste and Recycling Industry
26	Engagement approach	Support for the Consultation and Engagement Panel	Written submission	Waste and Recycling Industry
27	Engagement approach	Build trust by actively listening to and truly considering feedback.	Presentation to the panel	Waste and Recycling Industry
28	Engagement approach	Gain buy-in; have stakeholders engaged and feel ownership over the process and outcome	Presentation to the panel, Interview	Waste and Recycling Industry
29	Engagement events	Suggest working with partners on the ground to help host and facilitate sector-specific engagement events, possibly as part of existing meetings or events. Examples of partners: non-profit organizations, community groups, community centres, libraries, community advisory groups and policy councils, municipalities.	Presentation to the panel, Municipal Workshop, and Interview	Environmental NGO, Government, Waste and Recycling Industry

30	Engagement methods	Prefer real time engagement at a physical location, with decision-makers present to hear comments first hand.	Interview	Industry / Manufacturing, Waste and Recycling Industry
31	Engagement methods	Prefer face to face meetings and delegations to elected officials	Written submission	Government
32	Engagement methods	Focused, sector-specific discussions are preferred	Interview	Industry / Manufacturing, Environmental NGO, Retail, Property Management, Waste and Recycling Industry
33	Engagement methods	Email was generally supported as a means of notification or receiving information	Interviews, Questionnaire (79% of respondents prefer email notifications, followed by social media, news media, and onlin presentation/ meeting)	Multiple
34	Engagement methods	Online questionnaire, email, online comment sections, and online meetings or webinars were generally favoured as means of providing feedback.	Questionnaire (78% preferred online questionnaire)	Multiple, Resident
35	Engagement methods	Those representing organizations are more likely to prefer email or online presentations or meetings; wherease those representing their household are more likely to prefer email and social media	Questionnaire	Multiple, Resident
36	Engagement methods	Meet small business operators at their place of business	Interview and Presentation to the panel	Waste and Recycling Industry

37	Engagement methods	Suggest putting up posters to reach the wider community, including posters at bottle depots	Interview	Waste and Recycling Industry
38	Engagement methods	Smaller online and in-person meetings, with opportunities to hear others in a larger group setting	Interview	Retail
39	Engagement methods	Workshops are appreciated	Interview, written submissions	Government, Post-Secondary
40	Engagement methods	Prefer to provide feedback via written responses	Interview	Property Management
41	Engagement methods	Include website, online events, Facebook, mail, telephone polling, and in-person events when possible.	Presentation to the panel	Waste and Recycling Industry
42	Engagement methods	Request to be included in a working group and have the opportunity to contribute to its development, including objectives and outcomes.	Presentation to the panel	Waste and Recycling Industry
43	Engagement methods	Email, newspaper, social media, website, webinar, in-person meetings, community events, 1-on-1 meetings, existing industry association meetings	Presentation to the panel	Waste and Recycling Industry
44	Engagement methods	Develop take-home engagement kits to support engagement to facilitate discussion at community or youth group meetings	Workshop / Presentation	Government
45	Engagement methods	Municipalities prefer progress updates at regular meetings, dedicated municipal meetings / workshops, and some 1 on 1 meetings	Workshop / Presentation	Government
46	Engagement methods	Pre-packaged social media materials are easy to re-post to spread the word	Workshop / Presentation	Government
47	Engagement methods	Request written updates to member municipalities at major milestones, as engagement opportunities arise, and throughout all phases of engagement and solid waste management plan development	Workshop / Presentation, Written submission	Government

48	Engagement methods	Regular updates to committee and opportunities for input at key milestones	Workshop / Presentation	Agriculture
49	Engagement methods	Support for online methods including questionnaires, forums, comment boxes	Interviews, Questionnaire, Presentations to the panel	Multiple
50	Engagement methods	Online portal where stakeholders can log in to view information and provide feedback	Questionnaire	Multiple, Resident
51	Engagement methods	Municipal newsletters, posters, billboards, existing committee meetings, written updates to municipal Mayors and Council	Questionnaire	Multiple, Resident
52	Engagement methods	Opportunities for feedback in places that stakeholders already go, such as the mall or grocery store; chat circles with politicians	Questionnaire	Multiple, Resident
53	Information required	Require up-to-date information on new technologies, and draw on industry expertise for this.	Interview and Presentation to the panel	Industry / Manufacturing, Waste and Recycling Industry
54	Information required	Simple, easy to understand documents for review and comment, use graphics	Interview	Waste and Recycling Industry, Retail, Environmental NGO

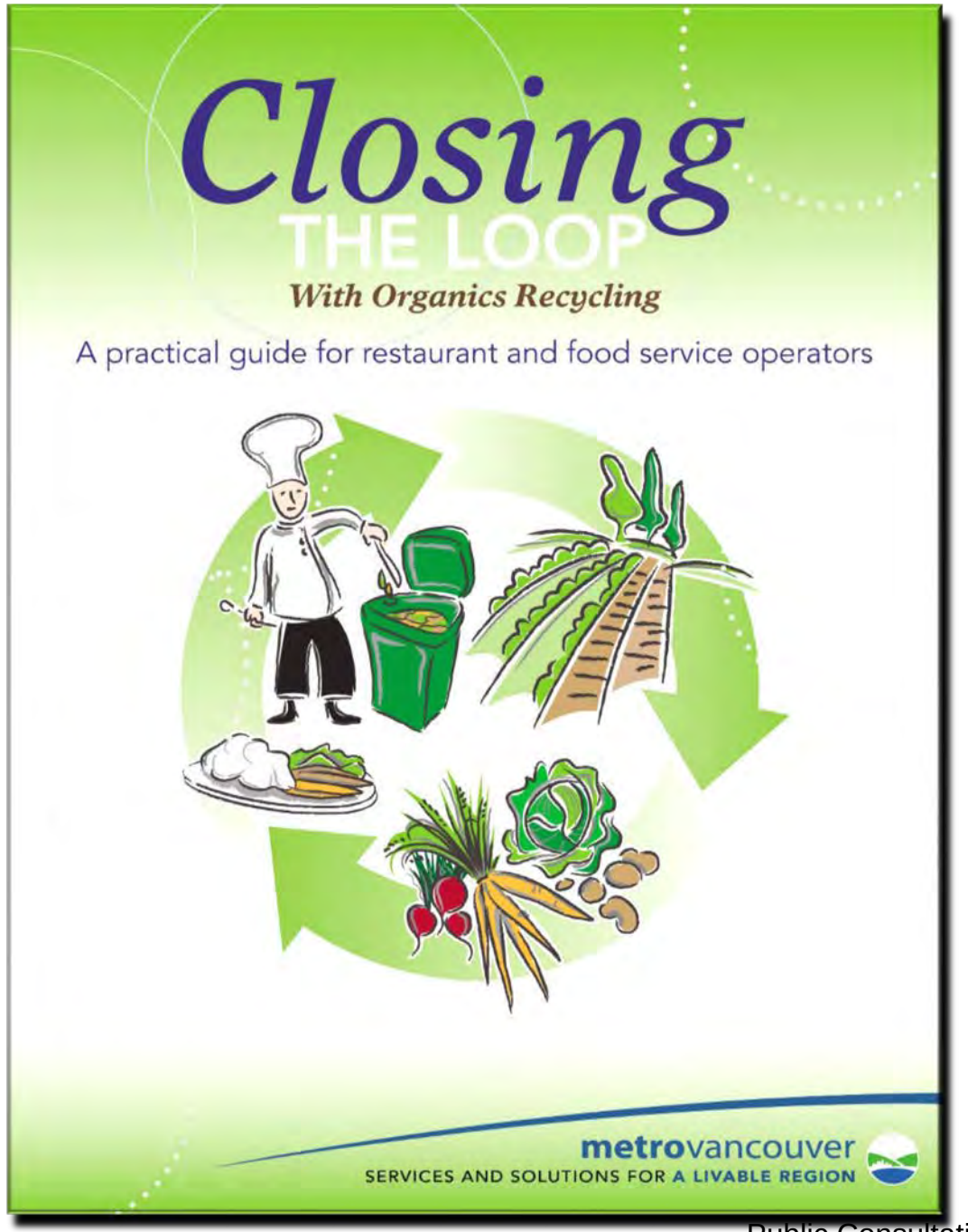
55	Information required	Sector-specific data (including financial analysis, comparisons to other jurisdictions, and waste audit information)	Interview	Tourism, Property Management
56	Information required	Trends in commodities market, where recyclables end up, brokers and processors locally and elsewhere, information on the regional solid waste system (facilities)	Interview	Post-Secondary
57	Information required	More communication is needed, including data sharing on Metro Vancouver's system and processes; previous lack of communication	Presentation to the panel	Waste and Recycling Industry
58	Information required	Include educational components on how the waste and recycling system works, including public and private sector, and facilities within and outside of the region	Presentation to the panel	Waste and Recycling Industry
59	Information required	Acknowledge the complexities of potential options, and don't overly simplify.	Presentation to the panel	Waste and Recycling Industry
60	Information required	As part of engagement, feature success stories of businesses and organizations.	Presentation to the panel	Waste and Recycling Industry
61	Information required	Methods and assumptions that are used to calculate diversion rates	Written submission	Waste and Recycling Industry
62	Information required	Information on people's current practises and barriers for zero waste living	Interview	Environmental NGO

63	Information required	Require information on context, what is happening across the region, who is responsible for solid waste management and zero waste policy, partners for implementation.	Interview	Youth associations
64	Information required	Current solid waste management plan background; fate of waste and recycling after it is collected; waste diversion statistics; financial and environmental impact of options; solid waste management challenges; global best practices; latest research and technologies; scope of solid waste management plan update	Questionnaire	Multiple, Resident
65	Information required	Present accurate, objective facts and data at the outset, as a foundation for conversations about the plan, leveraging industry expertise where needed.	Presentation, Presentations to the panel	Government, Waste and Recycling Industry
66	Methods	Methods effective for youth include targeted social media, campaigns, video, partnering with influencers, Facebook (for older youth), instagram, Tick tock, informal webinar, hubs/places of gathering, community boards at shops, engagement events, short surveys. Partner with groups that work with youth to host events and communicate to networks.	Interview	Youth associations
67	Pre-engagement	Appreciate the proactive approach to pre-engagement, by involving stakeholders as early as possible	Presentation to the panel	Waste and Recycling Industry, Environmental NGO

68	Research	Suggestion to review example solid waste plans in Portland, York Region, and City of Toronto, which have circular economy and waste reduction focuses	Interview	Environmental NGO
69	Timing	Don't engage during the summer months	Presentation to the panel	Waste and Recycling Industry
70	Timing	Require adequate time to provide feedback, especially to accommodate local government council, committee or Board meetings (4-6 week turnaround is insufficient)	Workshop / Presentation; written submission	Government
71	Translations	In general, no need for translated materials at this time. A few requests for Chinese language information, and other languages mentioned including French, Spanish, Punjabi, Croatian, Greek, Hindi, Japanese, Korean, German, Tagalog, Vietnamese.	Interviews, Questionnaire (93% reponded that translations not required)	Multiple
72	Translations	Translation necessary. Use graphics as well.	Interview	Environmental NGO

5 – Stakeholder Presentations to the Consultation and Engagement Panel

Presentation from BSIbio



What's In. What's Out.

So what does compostable mean? In Metro Vancouver, it refers to materials that are accepted for processing by regional organics recycling facilities.

That said, the mandatory organics waste ban that will come into effect in 2015 in our region will focus on removing food from the garbage. The easiest and best place for restaurants to tackle this process is back-of-house where pre-consumer (prep trim, spoilage) and post-consumer (plate scrapings, uneaten breads, tea bags) food waste can be collected and directed to dedicated green bins.

What's In

- White or kraft paper napkins
- Plain, unlined paper plates and boxes
- Plain, uncoated plant fibre-based (bagasse) plates, bowls and clamshells
- Wax-coated bags and wrap paper*
- Plain and food-grade wax-coated wooden cutlery and chopsticks*

**If using wax coating, check with your hauler or organics recycler to see if it is accepted.*

What's Out

- Plastic and foil condiment packages
- Plastic wrap and trays
- Polystyrene #6 plastic cutlery
- Polystyrene #6 (Styrofoam) plates and clamshells
- 100% PLA cold cups, clamshells, cutlery and straws
- PLA-coated or lined paper hot cups, plates, wrappers and take-out boxes
- Biodegradable corn or potato starch plastic containers
- Oxo-degradable plastic bags





Take-Out. Delivery.

There is an ever-increasing variety of next-generation take-out packaging and disposable serving ware for food service.

In order for restaurant customers to recycle the compostable clamshells and plates they take home, you should choose products that are accepted by residential green bin programs around Metro Vancouver and not only acceptable for commercial purposes.

This category includes:

- uncoated paper plates, bowls and napkins made of 100% paper, preferably high in pcf (post-consumer fibre) recycled content.
- fibrewares (bagasse, sugar cane, bamboo, palm leaf) – that are plants or plant by-products pressed into sturdy moisture-resistant containers and plates. An effective substitute for polystyrene or plastic-coated paper.
- folding cardboard containers that are increasingly made with 100% recycled paper content. Only uncoated and unlined products are accepted by organics recyclers.
- wooden cutlery and serving accessories like forks, knives, spoons and chopsticks. These are acceptable as long as any coating is plant-based.
- Wax coatings may be acceptable. Check with your hauler or organics recycler to see if it's accepted.

The following materials were once accepted in specialized commercial facilities, however, they are no longer accepted.

- Corn or plant-based polylactic acid (PLA) plastics that replaced non-recyclable (#6) plastics. PLA can replace plastic as a moisture-resistant lining in paper hot cups, folding boxes and as a coating on paper sandwich or burger wrappers. There are also 100% PLA cold cups, clamshells, cutlery and straws. However, PLA is no longer recommended as compostable or biodegradable.
- Plant starch-based packaging and cutlery. This is a plastic substitute made from potato or other vegetable starches. Some brands, however, still add conventional plastics which means they are only biodegradable.
- Oxo-degradable plastic bags.

Always check with your hauler or supplier to confirm whether your chosen product is accepted as compostable in either municipal or specialized commercial facilities.

Is a compostable product always the best choice?

From an environmental point-of-view, the answer is most often 'yes.' From the operational side, however, the answer is 'it depends'. To avoid confusing your staff and customers, it's always best not to mix compostables and non-compostables within a product category such as cups, straws, napkins or in common combinations such as a cup, lid and straw.



Go re-usable! Where viable, a re-usable foodware program is always the better choice.

What`s Out

- 100% PLA Cold cups, clamshells, cutlery & straws

What`s Out

- PLA coated or lined paper hot cups, plates, wrappers and take-out boxes

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What's In

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- Plain, unlined paper plates and boxes
- Plain, uncoated plant fibre-based (bagasse) plates, bowls and clamshells
- Wax-coated bags and wrap paper*
- Plain and food-grade wax-coated wooden cutlery and chopsticks*

**If using wax coating, check with your hauler or organics recycler to see if it is accepted.*

What's Out

- Plastic and foil condiment packages
- Plastic wrap and trays
- Polystyrene #6 plastic cutlery
- Polystyrene #6 (Styrofoam) plates and clamshells
- 100% PLA cold cups, clamshells, cutlery and straws
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- Plant starch-based packaging and cutlery. This is a plastic substitute made from potato or other vegetable starches. Some brands, however, still add conventional plastics which means they are only biodegradable.
- Oxo-degradable plastic bags.

Always check with your hauler or supplier to confirm whether your chosen product is accepted as compostable in either municipal or specialized commercial facilities.

Is a compostable product always the best choice?

From an environmental point-of-view, the answer is most often 'yes.' From the operational side, however, the answer is 'it depends'. To avoid confusing your staff and customers, it's always best not to mix compostables and non-compostables within a product category such as cups, straws, napkins or in common combinations such as a cup, lid and straw.



Go re-usable! Where viable, a re-usable foodware program is always the better choice.

What`s Out

- 100% PLA Cold cups, clamshells, cutlery & straws

What`s Out

- PLA coated or lined paper hot cups, plates, wrappers and take-out boxes

Vancouver, it refers to materials that are accepted for processing by regional organics recycling facilities.

That said, the mandatory organics waste ban that will come into effect in 2015 in our region will focus on removing

restaurants to tackle this process is back-of-house where pre-consumer (prep trim, spoilage) and post-consumer (plate scrapings, uneaten breads, tea bags) food waste can be collected and directed to dedicated green bins.

What's In

- White or kraft paper napkins
- Plain, unlined paper plates and boxes
- Plain, uncoated plant fibre-based (bagasse) plates, bowls and clamshells
- Wax-coated bags and wrap paper*
- Plain and food-grade wax-coated wooden cutlery and chopsticks*

**If using wax coating, check with your hauler or organics recycler to see if it is accepted.*

What's Out

- Plastic and foil condiment packages
- Plastic wrap and trays
- Polystyrene #6 plastic cutlery
- Polystyrene #6 (Styrofoam) plates and clamshells
- 100% PLA cold cups, clamshells, cutlery and straws
- PLA-coated or lined paper hot cups, plates, wrappers and take-out boxes
- Biodegradable corn or potato starch plastic containers
- Oxo-degradable plastic bags



Take-Out. Delivery.

There is an ever-increasing variety of next-generation take-out packaging and disposable serving ware for food service.

In order for restaurant customers to recycle the ostable clamshells and plates they take home, you choose products that are accepted by residential bin programs around Metro Vancouver and not only table for commercial purposes.

ategory includes:

- coated paper plates, bowls and napkins made of 0% paper, preferably high in pcf (post-consumer fibre) ycled content.
- fibrewares (bagasse, sugar cane, bamboo, palm leaf) – that are plants or plant by-products pressed into sturdy moisture-resistant containers and plates. An effective substitute for polystyrene or plastic-coated paper.
- folding cardboard containers that are increasingly made with 100% recycled paper content. Only uncoated and unlined products are accepted by organics recyclers.
- wooden cutlery and serving accessories like forks, knives, spoons and chopsticks. These are acceptable as long as any coating is plant-based.
- Wax coatings may be acceptable. Check with your hauler or organics recycler to see if it's accepted.

The following materials were once accepted in specialized commercial facilities, however, they are no longer accepted.

- Corn or plant-based polylactic acid (PLA) plastics that replaced non-recyclable (#6) plastics. PLA can replace plastic as a moisture-resistant lining in paper hot cups, folding boxes and as a coating on paper sandwich or burger wrappers. There are also 100% PLA cold cups, clamshells, cutlery and straws. However, PLA is no longer recommended as compostable or biodegradable.
- Plant starch-based packaging and cutlery. This is a plastic substitute made from potato or other vegetable starches. Some brands, however, still add conventional plastics which means they are only biodegradable.
- Oxo-degradable plastic bags.

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From an environmental point-of-view, the answer is most often 'yes.' From the operational side, however, the answer is 'it depends'. To avoid confusing your

The following materials … are no longer accepted.

- Corn or plant based… plastics...
- PLA is no longer recommended as compostable or biodegradable

- Plant starch based packaging and cutlery…

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What's In. What's Out.

So what does compostable mean? In Metro Vancouver, it refers to materials that are accepted for processing by regional organics recycling facilities.

That said, the mandatory organics waste ban that will come into effect in 2015 in our region will focus on removing food from the garbage. The easiest and best place for restaurants to tackle this process is back-of-house where pre-consumer (prep trim, spoilage) and post-consumer (plate scrapings, uneaten breads, tea bags) food waste can be collected and directed to dedicated green bins.

What's In

- White or kraft paper napkins
- Plain, unlined paper plates and boxes
- Plain, uncoated plant fibre-based (bagasse) plates, bowls and clamshells
- Wax-coated bags and wrap paper*
- Plain and food-grade wax-coated wooden cutlery and chopsticks*

If using wax coating, check with your hauler or organics recycler to see if it is accepted.

What's Out

- Plastic and foil condiment packages
- Plastic wrap and trays
- Polystyrene #6 plastic cutlery
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- 100% PLA cold cups, clamshells, cutlery and straws
- PLA-coated or lined paper hot cups, plates, wrappers and take-out boxes
- Biodegradable corn or potato starch plastic containers
- Oxo-degradable plastic bags





What's In. What's Out.

The mandatory organics waste ban that will comeinto effect in 2015 in our region will focus on removing ood from the garbage and landfill. The easiest and best place for restaurants to tackle the process is the back-of-house food preparation (prep trim and spoilage), and front of house food waste (plate scrapings, leftovers,tea bags). This food waste can be collected and directed to dedicated green bins. To make the most of your organics collection you may be able to add compostable paper and food service and packaging materials (paper napkins, uncoated fibre containers and fibre clamshells. Check with your hauler for a complete list of accepted items

Compostable & ACCEPTED

- Kitchen scraps
- left over food
- white/kraft paper napkins
- plain, uncoated plant fibre-based boxes and clamshells
- plain, uncoated wooden cutlery and chopsticks

NOT Compostable = NOT ACCEPTED

- Plastic and foil condiment packages
- Plastic wrap and trays
- Plastic cutlery (is it recyclable?)
- Plastic plates and clamshells (is it recyclable and clean?)
- Plastic bags
- Oxodegradable plastic bags
- Plastic coated paper cups
- Plastic coated paper & containers

Compostable & NOT SURE?

Some **certified** compostable materials / packaging are only accepted in some facilities. Please check with your waste hauler on the following items:

- 100% PLA cups
- PLA coated paper and containers
- Wax coated paper and containers
- Certified compostable cutlery
- Wax coated wooden cutlery





What does compostable mean? In Metro Vancouver, compostable is an internationally recognised standard where products must physically disintegrate into compost, actually biodegrade (be consumed by microorganisms), and have no negative impact on the ability of the compost to support plant growth.

10 Closing the Loop with Organics Recycling

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Take-Out. Delivery.

There is an ever-increasing variety of next-generation take-out packaging and disposable serving ware for food service.

In order for restaurant customers to recycle the compostable clamshells and plates they take home, you should choose products that are accepted by residential green bin programs around Metro Vancouver and not only acceptable for commercial purposes.

This category includes:

- uncoated paper plates, bowls and napkins made of 100% paper, preferably high in pcf (post-consumer fibre) recycled content.
- fibrewares (bagasse, sugar cane, bamboo, palm leaf) – that are plants or plant by-products pressed into sturdy moisture-resistant containers and plates. An effective substitute for polystyrene or plastic-coated paper.
- folding cardboard containers that are increasingly made with 100% recycled paper content. Only uncoated and unlined products are accepted by organics recyclers.
- wooden cutlery and serving accessories like forks, knives, spoons and chopsticks. These are acceptable as long as any coating is plant-based.
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Take-Out. Delivery.

There is an ever-increasing variety of next-generation take-out packaging and disposable serving ware for food service.

In order for restaurant customers to recycle the compostable clamshells and plates they take home, you should choose products that are accepted by residential green bin programs.

This category of products includes:

- uncoated paper plates, bowls and napkins made of 100% paper, preferably high in pcf (post-consumer fibre)recycled content.
- fibre-wares (bagasse/sugar cane, bamboo, palm leaf)-plants or plant by-products pressed into sturdy moisture-resistantcontainers and plates. An effective substitute for polystyrene or plastic-coated paper.
- folding cardboard containers are increasingly made with 100% recycled paper content. Only uncoated and unlined products are accepted by organics recyclers.
- wooden cutlery and serving accessories like forks, knives, spoons and chopsticks. These are acceptable as long as any coating on them is plant-based.
- Wax coatings may be acceptable. Check with your hauler or organics recycler to see if it's accepted.

The acceptance of certified compostable packaging varies between facilities in the Lower Mainland. Between rapid product growth and composting technology, some compostable packaging may not be accepted in residential green bin programs .

- **Corn or plant-based polylactic acid (PLA)** bio-plastics are commonly used in food containers, cups, cutlery, and as barrier coating on paper products. Though fully compostable under optimum commerical compost conditions, PLA products are best suited to commercial facilities that are able to identify it for processing. Choosing PLA packaging requires that suppliers, haulers and facilities work together to ensure material acceptance.
- **Plant starch-based bio-plastics** are made from potato or other vegetable starches. Certified compostable products are available, however some brands still add conventional plastic to the starch resinand then claim to be"biodegradable". Biodegradable does not mean compostable.
- **"Biodegradable" plastics** are common in the market-place. Biodegradable products should not be used in your compostable packaging program unless the product is also certified compostable.
- **Photo- or Oxo-degradableplastics** are conventional plastic products with additives that work to break the plastic bonds into smaller fragments. These products are not accepted in commercial compost systems.

Always check with your hauler and packaging supplier to confirm whether your chosen product is accepted in regional commercial facilities

Is a compostable product always the best choice?

From an environmental point-of-view, the answer is most often 'yes.' From the operational side, however, the answer is 'it depends'. To avoid confusing your staff and customers, it's always best not to mix compostables and non-compostables within a product category such as cups, straws, napkins or in common combinations such as a cup, lid and straw.



MASTER RECYCLER

Serving the Vancouver Lower Mainland

Recommendations to the Metro Van SWMP UPdate Consultation & Engagement Panel

May 17, 2021

Provided by: Emily McGill

We acknowledge that meeting takes place on **unceded** and **occupied Coast Salish territory**, specifically that of the **Skwxwú7mesh** (Squamish), **xʷməθkʷəy̓əm** (Musqueam), and **mi ce:p kʷətxʷiləm** (Tsleil-Waututh) Nations.

Master Recycler Program Overview

- Annual 8-week community “train-the-trainer” course (~22h in-class, 30 hours outreach + field trips)
- Plus micro-courses for business and municipalities (4 sessions + outreach mentoring)
- Course topics include:
    - *Circular economy | Waste Prevention Hierarchy | Organics diversion & composting | EWaste | Repair | Entrepreneurship | Behaviour change | Outreach and Marketing*
- 5-year wait list; 155 participants to date, 80+ graduates
- 3000+ outreach hours, centered on education

MASTER RECYCLER
Serving the Vancouver Lower Mainland

Context on Emily's Experience re: Today's Input

- **How Metro Vancouver works** *Several years consulting for NZWC PD&P Working Group, engagement in stakeholder consultation processes*
- **Solid Waste Management Planning Processes** *2 years as Jr. Engineer with Tetra Tech Canada, involved in SWMP updates, waste audits and reports for businesses, regions, municipalities*
- **Policy Impacting Waste Reduction and Entrepreneurship on-the-ground** *Assessing, convening feedback on, and reporting via Tetra Tech, Textile Lab for Circularity, Master Recycler Vancouver*
- **Providing feedback in public consultation processes** *Member of Talk Vancouver, federal policy inputs, working groups on various aspects of organic waste management*

MASTER RECYCLER
Serving the Vancouver Lower Mainland

Recommendations to the Engagement Panel

- **Clarify purpose and establish expectations of public consultation**
  - *E.g. Citizen sense of ownership of SWMP outcomes. Set precedent for effective input from public on regional SWMP updates. Qualitative AND quantitative feedback.*
- **Create a webpage tracking progress of SWMP update (and ways to engage)**
- **Create a feedback tracking system to avoid double-entries across multiple input streams**
  - *Potential 'member logins': Make it fun/engaging/gamified to encourage consistent participation.*
- **Outsource facilitation of virtual workshops to gather public input**
  - *Process: Establish workshop procedures, inputs/outputs, tracking*
  - *Potential partners: Master Recycler | Village Vancouver | Friendship Center(s) | Community Centers | Libraries | Local non-profits like SPEC | SRRI | BrandsForBetter*

MASTER RECYCLER
Serving the Vancouver Lower Mainland

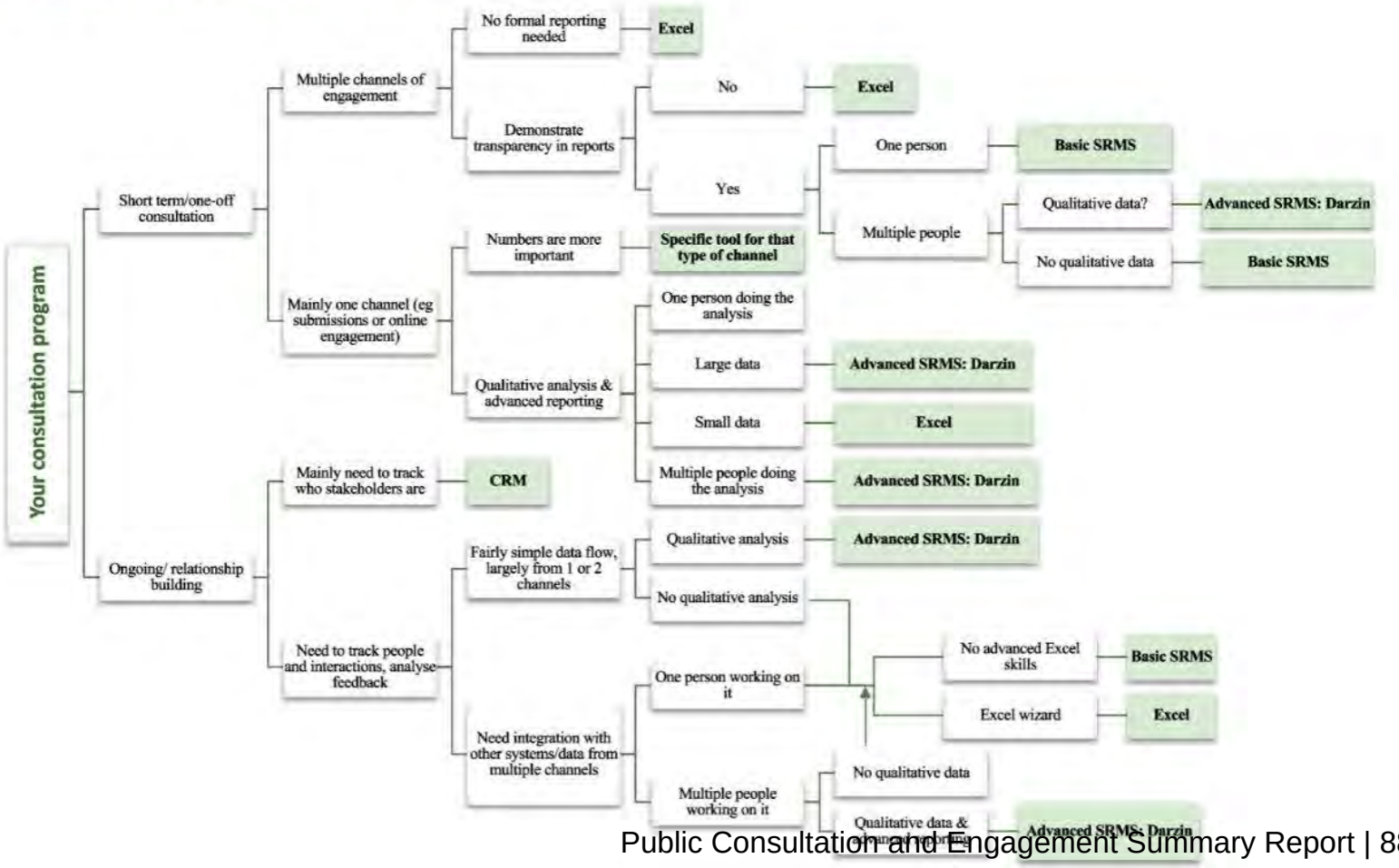
High-Level Hopes

- Supports education that is already ‘in the wild’
  (re: prevention hierarchy)
- Highly transparent and digestible approach, appropriate for different cultures and linguistic needs
- Actively engages “hot” communities in areas of expertise - a way to access highly engaged folks that is fair to those who are less engaged
- Actively advocates for ‘green job’ development; integrates with existing initiatives

MASTER RECYCLER
Serving the Vancouver Lower Mainland

Choosing the right software for your needs

Some clear CRM management software is highly possible and recommended! This decision tree is just an example of how clear the choice can be.



Thank you!

And good luck!

emily@masterrecyclervancouver.ca

MASTER RECYCLER
Serving the Vancouver Lower Mainland

Republic Services

Roosevelt Regional Landfill &
H.W. Hill Renewable Natural Gas Facility

Republic Services at a Glance

Fortune 500 / RSG

We believe in a cleaner, safer and healthier world where people thrive – not just for today but for generations to come.

14 million
customers in the U.S. and Canada

33,000+
employees

340
collection operations

201
transfer stations

64
recycling centers

192
active solid waste landfills

5 Million
tons of recyclable materials managed annually

2,800
natural gas (RNG) trucks

Safety Priority
41% better than Industry average



REPUBLIC SERVICES

Recognized as a Leader in the Industry (partial list)

















Roosevelt Regional Landfill
Operated by Republic Services



- Accepted first load of BC waste in 1991.
- Permitted for 2.3 million tonnes of MSW Annually.
- Customers have included: Metro Vancouver RD, Cowichan Valley RD, qathet RD, commercial generators, Whistler, Coastal First Nations and & Northern Affairs Canada.
- Operates under the Klickitat County Comprehensive Solid Waste Management Plan approved by Washington State.

- Republic Services is a current residual disposal services provider to MVRD.

Roosevelt's methane capture rate is the best in the Pacific Northwest. Communities who value the least GHG contributions to their waste disposal choose Republic Services.

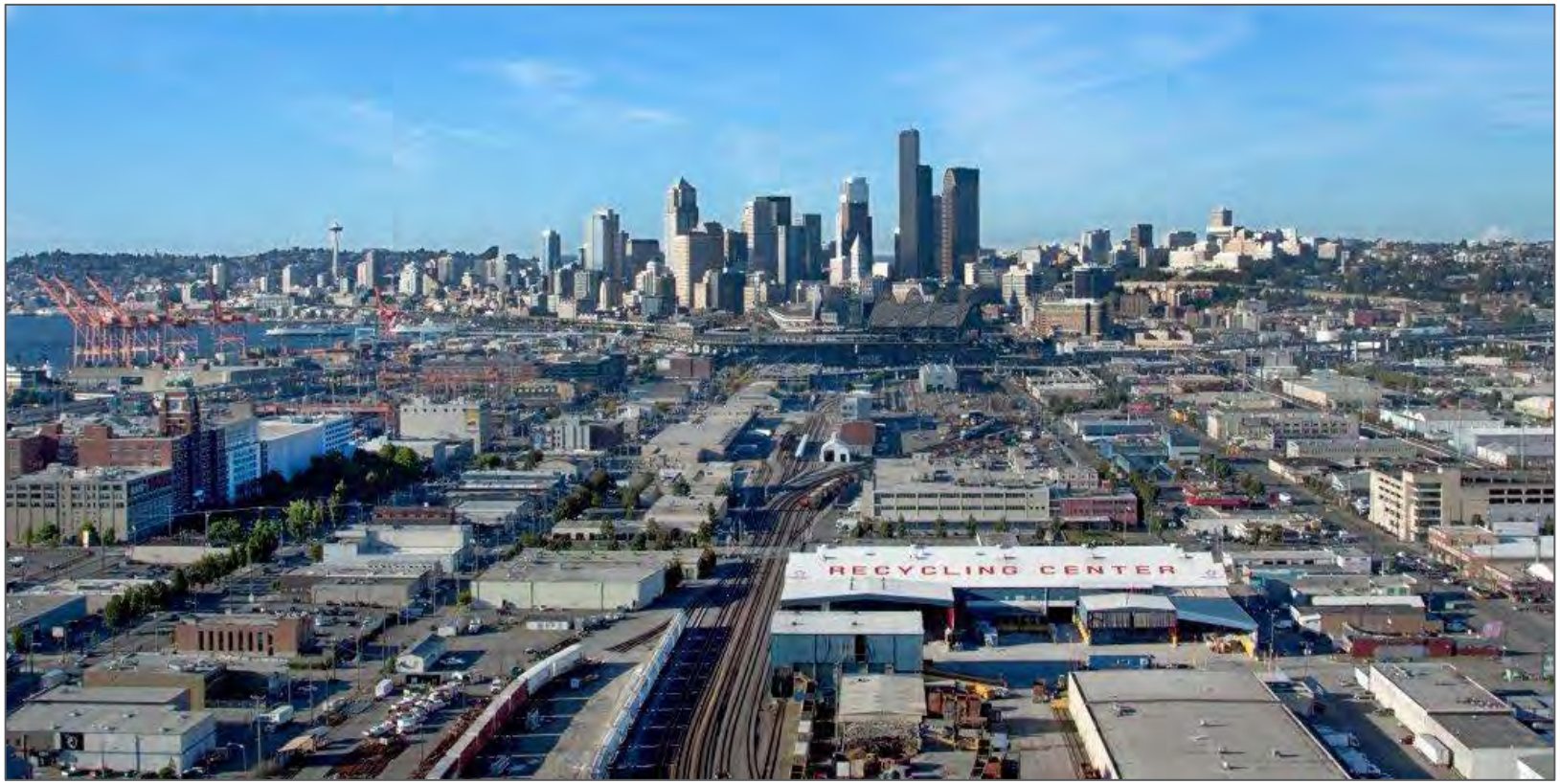
Klickitat PUD- H.W. Hill Renewable Natural Gas Facility Located at Roosevelt Landfill

- Partnership with Klickitat County Public Utility District at Roosevelt Regional Landfill
- Largest RNG Facility in United States
- Harvesting Methane and other Gases generated through the natural organic breakdown of waste
- Producing RNG volumes the equivalent of 68 Million Liters of Gasoline each year
- Demonstrated 95% Gas Capture Rate
- RNG Distributed through the BP Williams Pipeline servicing Western Washington and British Columbia.

Washington State Governor Jay Inslee participates in the ribbon cutting of the Renewable Natural Gas facility at the landfill. Governor Inslee spoke about this plant on numerous occasions, as well as during his State of the State Address in front of the legislature in 2020.



Republic Services – Seattle Materials Recovery Facility



Largest Recycling Facility in the Pacific Northwest

Pre-Engagement – Shaping the Process

Guiding Principles:

- Information should include educational components on how recycling works; all three parts of waste stream – recyclables, organics and residuals, are commodities. For those that are exported to reach facilities that provide resiliency to our system, export is protected under international trade agreements.

Shipments to International Facilities



- Acknowledgement should be given to the strengths of the current system that utilizes a complement of facilities located in and out of region and a competitive environment in both procurement processes for service providers and within the private sector that supports the local recycling industry.

Ideas Generation:

- Realistic perspectives and expectations management should be adopted based on experience that technology and behavioral changes always take longer than one may want.

Shaping the Process Continued

Options Analysis:

- Solid waste is a complex topic. Simplistic slogans work for behavioural change but not for analyzing potential options.
- Don’t dumb it down.
- GHG emission calculations should include a wholistic approach that recognizes the full compliment of factors that contribute to environmental impacts.

Engagement on Draft Plan:

- Listen actively and reflect those concerns objectively.

Other feedback:

- No consultations during the summer months.
- Provide findings throughout the Phases.
- Allow online dialogue amongst participants.
- Provide the list of participants publicly.
- Communicate in real time – online, as much as possible and monthly at the least.
- Don’t include social medias such as Twitter or Instagram.
- Do include a website, online, Facebook, snail mail.
- Consider telephone polling.
- Hold in-person events when possible, to complement virtual sessions.

Thank You.

Cynthia Shore
Government Relations Advisor
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Vancouver, BC V6E 4S6
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6 – Solid Waste Areas of Interest

Areas of interest that emerged through the pre-engagement process are summarized below.

Circular Economy / systems approach	• Circular economy • Share, reuse, repair • Single-use item strategies • Greenhouse gas emissions • Environmental stewardship • Green jobs • Holistic approach – including elements higher up the waste hierarchy, and factors beyond waste such as social justice, environment, land/air/water, economy • Zero waste and lighter living
Recycling	• Commercial waste and recycling challenges • Extended producer responsibility • Co-mingled and source separated recycling • Communications on how to recycle and the efficacy and efficiency of recycling processes • Calculation of recycling rates (methodology)
Infrastructure	• Systems, facilities, and industry to advance zero waste and circular economy • Waste-to-energy as a means to handle residual waste • Technological innovations • Local management of recyclable materials • Alternative fuel
Disposal	• Landfill and waste-to-energy • Illegal dumping • Long term waste disposal
Social Considerations	• Equity and inclusion • Social impact • Change management • Social enterprises supporting waste diversion • Access to eco-friendly goods • Citizen ownership over solid waste management plan, and connection to day-to-day activities, habits, practices
Financial Considerations	• Cost (and cost incentives) of using and purchasing sustainable materials • Direct and indirect costs as a result of solid waste policies, including affordability for businesses • Tipping fee revenue • Procurement • Economic development
Sectors or Material Types	• Construction • Compostable plastics and packaging • Recyclable packaging • Soft plastics • Food • Food packaging and labels • Textiles

	• Consumer goods • Electronics
Other	• Inter-municipal coordination • Reporting metrics • Metro Vancouver's roles in regulation and service provision • Waste flow bylaws potentially impacting neighbouring jurisdictions • Coordination between regulations and plans

7 – Online Public Pre-Engagement Questionnaire Results

Respondent Profile

	Count	Percentage
Total number of respondents	335	100%
Respondents who live in the Metro Vancouver region	321	96%
Responding on behalf of…	Organization: 50 Household: 285	Organization: 15% Household: 85%

Organization Type

The 50 respondents who completed the questionnaire on behalf of their organization, company or group identified their organization as the following types:

Organization Type	Count	Percentage
Waste and Recycling Industry	14	28%
Local Government, Government Agencies and Ministries	11	22%
Non-Governmental Organizations / Non-Profits	8	16%
Other	8	16%
Property Management	3	6%
Industry / Manufacturing	2	4%
Retailer	1	2%
Board of Trade / Chamber of Commerce / Business Improvement Association	1	2%
Construction Industry	1	2%
Education (high school and post-secondary)	1	2%
Total	**50**	

The following organizations identified their organization name:

Associated Labels and Packaging
BC Used Oil Management Association
BentallGreenOak
Binners' Project
BSIbio Packaging Solutions Inc
Business Council of BC
Cadillac Fairview
City of Burnaby
City of North Vancouver
City of North Vancouver
City of Surrey
Ecowaste Industries Ltd.
Empower Environmental Solutions

EZEE Hoarding Inc.
HSR Zero Waste
LandlordBC
North Shore Table Matters network
Recycling Committee of Marina Housing Co-op (multi-family building in Vancouver)
Regional District of Nanaimo
Rethink2gether
Revolution
Sea to Sky Removal
Squamish-Lillooet Regional District
Supernova Waste to Energy Inc.
Surrey Schools
Sustainabiliteens
Tri-Cities Chamber of Commerce
Tymac Launch Service Ltd.
Urban Development Institute
Vancouver Native Housing Society
Waste Management Association of BC
Willowbrook Recycling Inc
Willowbrook Recycling Inc
Zwapitico

Over the next 2-3 years, Metro Vancouver will provide progress updates and ask for feedback on aspects of the solid waste management plan update. How do you prefer to receive this information? Select all that apply.

How to Receive Information	**Responding on behalf of organization**	**Responding on Behalf of Household**	**Total**	**Percent**
Email	48	216	**264**	**79%**
Social Media	7	114	**121**	**36%**
Notices in news media	10	94	**104**	**31%**
Online presentation or meeting	23	56	**79**	**24%**
Mail	2	21	**23**	**7%**
Text message	1	24	**25**	**7%**

Do not want to receive updates	2	11	**13**	**4%**
Other	1	5	**6**	**2%**
Total Survey Respondents in this category	50	285	**335**	

How do you prefer to receive information ("Other"):

A online portal for the update process where I (or a set of randomly selected citizens) have a login & can weigh in as feedback is required, alerted via text, social and email when feedback rounds are live. Similar to "Talk Vancouver".
If online presentation, I would value the opportunity to ask questions and have a dialogue.
Metro Van website
Metro Vancouver website
Municipal newsletters, if exists.
Posters, billboards
Through MWRCC meetings and bi-annual or annual written updates to be able to provide to Mayor and Council
Twitter

How do you prefer to provide feedback on the solid waste management plan update? Select all that apply

How to Receive Feedback	**Responding on Behalf of Organization**	**Responding on Behalf of Household**	**Total**	**Percent**
Online via a questionnaire	36	226	**262**	**78%**
Email	33	133	**166**	**50%**
Online via a comment section	12	69	**81**	**24 %**
Online meeting or webinar	22	49	**71**	**21%**

In-person event at a community event (when safe to do so)	14	33	**47**	**14%**
In-person event at a nearby community center (when safe to do so)	12	34	**46**	**14%**
Mail-in survey	2	34	**36**	**11%**
Over the phone	10	11	**21**	**6%**
Other	2	3	**5**	**1%**
Total Survey Respondents in this category	50	285	**335**	

How do you prefer to provide feedback ("Other")?:

(Online via questionnaire)...and comment section.
At places I already go, when I am in the active minset of consumption - like the mall or grocery store.
If there are relevant issues to the development industry, we could setup a meeting with you.
in-person event at Metro Vancouver offices
Mayor &/or councillors host a coffee & chat circle - e.g. like cops do at shops &/or drop in to strata Amenity room; carry forward views heard
Social media
Social media
Via an online portal as I've described above. Provides opportunity for higher quality feedback and deeper engagement. AND through existing waste-centric communities; tap local grassroots orgs to convene feedback sessions.
We can do a video conference meeting through ZOOM, TEAM or Skype.

What information do you need before providing feedback on solid waste management topics and issues? Select all that apply:

	Count	**Percent**
Information about current solid waste management in the region	279	83%
Information on how solid waste is handled in other jurisdictions	200	60%
Copy of the previous solid waste management plan	169	50%
Not sure	40	12%
Other	38	11%

What information do you require to provide feedback on the solid waste management plan update ("Other")?:

1) Provincial and regional recycling and waste diversion statistics that are honestly prepared full chain of life audit and accountability; and 2) Full, true and plain disclosure about Metro's conflicting roles as industry regulator and competitor.
A more accessible breakdown of what the what Metro Vancouver's role is and what kind of feeback I can provide - like transport 2050 from translink
A synopsis of the major challenges of solid waste management and the major sources of solid waste that can not be recycled, reduced or reused.
annual recycling and waste reports for Metro Vancouver and City of Vancouver who look after VLF
any external jurisdiction/province/country if they have ideas proven to work well or better
best practices and how close we are to meeting them,
Comparative of the first 3.
Comparative table works; succinct content less jargon
Detail about the guiding principles of the initiative now, and any foundational assumptions which are not already made explicit in current documentation that is being shared.
Emerging issues, life cycle plans for solar panel replacements; lithium ion batteries at the end of life; life cycles of products that heavy metal and rare earth metals; solid waste from Port Authorities, others that I am still thinking about
Food Waste data for Metro Vancouver, including households AND HRI (Hotels, Restaurants and Industries)
From other countries who have been successful.
Future plans
Global best practices, what progress has MV made against the current plan, what are biggest problem areas
How solid waste is handled in other parts of the world by leaders in sustainability
How Stewardship Agency's can better work with Metro Van
How will recycling options for multi-unit residential buildings be improved and made easier for residents?
Ideally some information about key priorities staff/panelists have already identified as areas of focus
Information about future plans for solid waste
Information about what is in the new Plan
Information from researchers or schools on next gen/new tech solutions
Information on barriers of having certain materials recycled.
Information on how it is being improved in metro Vancouver
information on the key topics and issues Metro Vancouver is considering. The scope of the review.
Information on what's possible and the impact of these options eg, cost to taxpayers, toll on the environment
Informationabout current waste management in Germany
Latest research on impact of using an open 'blue box' for recycling plastics that can be blown out by the wind or taken out by animals. Responsibily when the blue box is emptied into the recycling truck and the loose bits of plastic fall onto ground.
Main highlights/summary of current solid waste plan and how the targets were met/not met since it was created. What are the troubles the old plan clearly does not address. What is the goal (zero waste?)? What needs to happen to get there?
Maybe updated / current information that I may not be aware of
MetroVan rationale for the update
Most recent changes that have been brought into place.
N/A as already involved in MWRCC

none, have been studying the topic for decades
Other initiatives being planned.
Possible new solutions for next plan
Presentation / summary of previous solid waste plan
Proposed ideas and suggestions that you are currently considering.
Radical Success stories are very inspiring
Rationale for updating the plan; what are the current challenges we're trying to fix.
Research and statistics about behaviour around waste
Stop falsifying the information where exactly solid waste is going
the most effective solid waste disposal proposals in the world!
The process that Metro is undertaking to revise the SWMP (overall stages, guidelines, constraints, assumptions). Ideally in a shareable 2minute video format :)
The proposed changes from old to new swmp
understanding of current plans and stakeholders engaged in development of future plans.
What happens to the waste and recycling after it is picked up? If more info was available about where is goes and how it is handled, more residents would trust the system.
What the management plan is for recyclable and compostbale flexible packaging systems
What you are seeking to change, and how it is different than current rules
Your answer to household soft plastic and when you will start picking it up from houses and also when you will work on education for non English speakers from experience they don't understand the recycling and lots gets in the trashcan.

Municipality where the organization, company or group I represent is based:

Municipality	**Count**	**Percent**
Bowen Island	1	0.3%
Burnaby	24	7%
Coquitlam	13	4%
Delta	4	1%
Electoral Area A	1	0.30%
Langley City	4	1%
Langley Township	9	3%
Lions Bay	4	1%
New Westminster	9	3%
North Vancouver City	15	4%
North Vancouver District	22	7%
Pitt Meadows	2	0.6%
Port Coquitlam	8	2 %
Port Moody	3	0.9%
Richmond	8	2%
Surrey	16	5%
Vancouver	136	41%
West Vancouver	4	1%
White Rock	3	0.9%

Maple Ridge	10	3%
Other	10	3%
(blank)	29	9%
Total	**335**	

Are there any people in your organization, company or group who would need education materials or meetings translated into languages other than English in order for them to fully participate?

	Count	**Percent**
Yes	20	93%
No	311	6%
(Blank)	4	1%

If yes, which languages?

Cantonese	5
Mandarin	4
French	4
Spanish	3
Punjabi	1
Croatian	1
Greek	1
Hindi	1
Japanese	1
Korean	1
German	1
Tagalog	1
Vietnamese	1

April 29, 2021

Andrea Reimer, Chair
Solid Waste Management Plan Independent Consultation and Engagement Panel

Via E-Mail: zerowaste@metrovancouver.org

Subject: Stakeholder Engagement for Metro Vancouver's Integrated Solid Waste Management Plan

Dear Ms Reimer,

I'm writing to you on behalf of the Waste Management Association of BC's (WMABC) concerning the Independent Panel's public and stakeholder engagement for Metro Vancouver's renewal of its Integrated Solid Waste and Resource Management Plan (ISWRMP).

We are pleased that Metro Vancouver has created and engaged a Solid Waste Management Plan Independent Consultation and Engagement Panel. On behalf of our members and the customers we serve in the MV region, we trust that our experience, input and active engagement would result in a collaborative approach that helps meet the region's sustainability goals. We would be remiss if we did not also raise the importance of the ICI&I generator. It is this sector that generates most of the waste in the Region and is one of the biggest challenges for waste diversion in Metro Vancouver. It has been our past experience that these consultations are often undertaken in absence of those who contribute to the various commodity or waste streams and ultimately bear the cost of the resulting policies.

By way of background, the WMABC is composed of private waste and recycling service providers, processors and suppliers with over 3,000 employees that provide a majority of the waste and recycling services across the province. As an active participant in the waste management services sector in B.C., we have and continue to provide a critical role in the delivery of efficient and cost-effective waste diversion, recycling and disposal services for the municipal and the IC&I sector.

As an industry, we are particularly proud of our leadership role in waste diversion across the province. The members of the WMABC have played a pivotal role in enhancing the diversion of materials in both the municipal and IC&I sectors by providing our strengths in logistics and infrastructure to collect and process these materials in an environmentally responsible manner and return them to the economy as secondary resources. We regard these as examples of a sustainable approach to resource reallocation and promotion of a circular economy.

We stand ready and willing to work to support yours and Metro Vancouver's goals and support our mutual interests. In the interim, should you have any immediate questions, please do not hesitate to contact us.

Regards

Josh Jansen van Doorn
Committee Chair, WMABC

Waste Management Association of BC
PO Box 3322, Station Main
Mission, BC V2V 4J5
info@wmabc.ca 778-775-7960

Fraser Valley Regional District

www.fvrd.ca | info@fvrd.ca

May 5, 2021

Chair Sav Dhaliwal and Board of Directors
Metro Vancouver
Metrotower III, 4730 Kingsway
Burnaby, B.C. V5H 0C6

Via email: chair@metrovancouver.org, jfroese@tol.ca

RE: Metro Vancouver's Solid Waste Management Plan – Pre-Engagement

Dear Chair Dhaliwal and Director Froese,

Thank you for the recent letter announcing Metro Vancouver's intention to update your Integrated Solid Waste Management Plan and the desire to obtain input as part of a pre-engagement phase. Our two regions are highly interconnected. Not only do we share a border and a sensitive airshed, but the solid waste systems within each of our regions are inextricably integrated. Decisions made in one region affects the other, which is why collaboration, partnerships, and meaningful dialogue is so valuable.

The Fraser Valley Regional District (FVRD) is committed to working with all stakeholders on zero waste goals and promotion of the circular economy. The solid waste industry is ever changing, and we believe that new partnerships can emerge that will support sustainable solid waste management practices across our regions that are good for the environment, good for the health of our airshed, and good for the economy. Metro Vancouver's new solid waste management plan is an opportunity for our Regional Districts to find solutions to solid waste challenges we both face and to further support local waste diversion efforts and airshed protection priorities.

The FVRD welcomes the opportunity to participate and would like to learn more about the process, the options for providing feedback, the role of the Independent Consultation and Engagement Panel, and of course, the proposed content of the solid waste management plan itself.

For the benefit of the FVRD Board of Directors, we would like to invite Metro Vancouver and a representative of the Independent Consultation and Engagement Panel to present at the next FVRD Board meeting, scheduled for May 27, 2021 at 19:00. This appears to be the only opportunity to present to our Board before the pre-engagement process closes on May 28, 2021, as outlined in your letter.

Please contact Kristen Kohuch, Executive Assistant to CAO and Board of Directors at kkohuch@fvrd.ca to confirm participation at this meeting. We look forward to receiving information about your engagement strategy and to learn more about your new solid waste management plan.

Sincerely,

Jason Lum
Chair, Fraser Valley Regional District Board

45950 Cheam Avenue | Chilliwack | V2P 1N6 Phone: 604-702-5000 | Toll Free: 1-800-528-0061 | Fax: 604-792-9684

Fraser Valley Regional District

www.fvrd.ca | info@fvrd.ca

June 9, 2021

Chair Dhaliwal and Board of Directors
Metro Vancouver
Metrotower III, 4730 Kingsway,
Burnaby, B.C. V5H 0C6

Via email: chair@metrovancouver.org, jfroese@tol.ca

RE: Metro Vancouver's Solid Waste Management Plan – Pre-Engagement Feedback

Dear Chair Dhaliwal and Director Froese,

Thank you for the delegation to the Fraser Valley Regional District (FVRD)'s Board on May 27, 2021 to speak on Metro Vancouver's engagement strategy for an updated Solid Waste Management Plan. The FVRD Board members appreciate the update and the opportunity to ask questions about this important initiative.

The FVRD is committed to working with all stakeholders to find solutions to solid waste challenges we all face. Below is a summary of the feedback from the FVRD regarding Metro Vancouver's proposed plan and consultation:

- **Development or utilization of additional incineration capacity –** The delegation stated that Metro Vancouver's focus is on "reducing, reusing, recycling, and advancing the circular economy. Metro Vancouver's goal is that it won't have to build additional (incinerator) capacity."

  We interpret this to mean that Metro Vancouver has no current or long-term plans to increase the level of garbage incineration, either through expanded or new waste-to-energy facilities or by diverting additional solid waste to cement plants or other incinerators. We expect this intent will be reflected in the updated Solid Waste Management Plan. If this is Metro Vancouver's vision, the FVRD views this intention with great relief.

  If our interpretation is incorrect, however, we expect that Metro Vancouver will clarify. We value your commitment to a positive, transparent engagement process, including an honest discussion about Metro Vancouver's plans for incineration so that this consultation can be meaningful and productive. The FVRD wants stakeholders to be fully informed if additional incineration, in any capacity, is still being contemplated for the future.

- **Impacts to neighbouring jurisdictions –** Our understanding is that the Province has instructed Metro Vancouver to consider how changes to their Solid Waste Management Plan, including draft waste flow bylaws, will limit the free-market flow of waste and consequently impact neighbouring jurisdictions. We assume Metro Vancouver will be commissioning a study to research this issue, and we ask that the FVRD be provided with the opportunity to be involved.

- **Time provided for feedback –** We respectfully ask that adequate time be provided to stakeholders for feedback and comments. We know that you acknowledge it can often take several weeks or longer for items or reports to be thoroughly reviewed by staff and then be discussed at the appropriate committee

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or Board meeting. We appreciate Metro Vancouver's willingness to work with stakeholder timelines and capacities.

- **Communication method –** In general, the FVRD is open to using a variety of means in which to be consulted, but face-to-face staff meetings or workshops are preferable. We also hope delegations from Metro Vancouver to the FVRD Board will continue as this process moves forward to allow for interactions and dialogue between elected officials.

The FVRD supports a regional approach to waste management and recognizes that collaboration among local governments, Indigenous communities, the Province, and industry, is needed to succeed. We look forward to working with Metro Vancouver on identifying opportunities for partnerships and collectively build a circular and clean economy. Thank you for the opportunity to provide comments as part of this pre-engagement phase of the consultation.

Sincerely,

Jason Lum
Chair, Fraser Valley Regional District Board

cc: Honourable George Heyman, Minister of Environment and Climate Change Strategy (ENV.Minister@gov.bc.ca)

Carol Danyluk, Section Head - Municipal Solid Waste, BC Ministry of Environment and Climate Change Strategy (Carol.Danyluk@gov.bc.ca)

Andrea Reimer, Chair of the Independent Consultation and Engagement Panel (andrea.reimer@citizenandrea.ca)

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Executive Offices
Tel. 604 432-6215 or via email
CAOAdministration@metrovancouver.org

July 7, 2021

File: PE-13-01

Chair Jason Lum
Fraser Valley Regional District
45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: jlum@fvrd.ca; kkohuch@fvrd.ca

Dear Chair Lum:

Metro Vancouver's Solid Waste Management Plan – Pre-Engagement Feedback

Thank you for your letter dated June 9, 2021 (received by email June 11, 2021), providing the Fraser Valley Regional District (FVRD) Board's pre-engagement feedback on Metro Vancouver's solid waste management plan update. It was our pleasure to attend and present at the FVRD Board meeting on May 27, 2021. Metro Vancouver is committed to maintaining open and transparent communication with the FVRD, while working collaboratively to advance our common goals in waste reduction, diversion, and circular economy as we update the regional solid waste management plan.

Metro Vancouver strives to provide adequate time for feedback in each phase of engagement, as we understand that different audiences have varying needs and expectations. In this respect, Metro Vancouver recognizes that the FVRD and other government bodies often require several weeks for staff review, followed by discussion at scheduled committee or Board meetings. We also note your preference for face-to-face staff meetings and workshops; therefore, we would be happy to present and receive feedback at future FVRD Board meetings as requested.

Your letter also requests additional information on Metro Vancouver's future plans for waste-to-energy, as well as potential impacts of an updated solid waste management plan on neighbouring jurisdictions.

Waste-to-Energy:
Metro Vancouver considers waste-to-energy to be a cost effective and environmentally sustainable way to manage residual garbage. Metro Vancouver's solid waste management plan update will focus on reduction, reuse, recycling and advancement of the circular economy. Our goal as a region is to avoid the requirement for any new disposal capacity, waste-to-energy or otherwise, through the success of our waste reduction actions.

To further maximize the beneficial use of residual waste, Metro Vancouver is initiating procurement for an interim processing strategy of small load waste received at regional solid waste facilities, which

currently disposes as garbage. This waste is composed primarily of wood and other building materials, and the interim processing strategy would allow the material to be sent to existing construction and demolition facilities to recover recyclables and create an alternative fuel product from any residual material. This interim strategy will provide valuable information on environmental performance, including associated emissions reductions (expected to be up to 20,000 tonnes CO_2 equivalent per year), as Metro Vancouver considers a more permanent solution.

In late 2019, Metro Vancouver provided a summary of the alternative fuel and recyclables recovery project to stakeholders, and following the receipt of feedback including feedback from the FVRD, the project scope was updated to address air quality concerns and ensure the highest and best end use of available material.

Waste Flows and Potential Impacts to Neighbouring Jurisdictions:
In consideration of Metro Vancouver's proposed *GVS&DD Commercial Waste Hauler Licensing Bylaw No. 207, 2017* and proposed updates to Metro Vancouver's private facility licensing bylaw (*GVS&DD Solid Waste and Recyclable Material Regulatory Amending Bylaw No. 309, 2017*), your letter expressed that the Ministry of Environment and Climate Change Strategy noted specific items they would be looking for in an updated solid waste management plan; in particular, the Ministry will consider how changes to the plan "may affect the solid waste management system, both within Metro Vancouver and in neighbouring regional districts". Potential impacts to neighbouring jurisdictions will be among the considerations in the development of a new solid waste management plan. We look forward to exploring these issues with adjacent regional districts including the FVRD through studies or other mechanisms.

In place since January 1, 2018, the Generator Levy requires waste haulers who deliver waste to a facility other than a Metro Vancouver or City of Vancouver solid waste facility to collect and remit the Generator Levy to Metro Vancouver. The Generator Levy ensures that all generators contribute to the cost of the regional solid waste management system in an equitable manner.

Thank you once again for taking the time to submit your feedback during the pre-engagement phase of Metro Vancouver's solid waste management plan update process. Your letter and Metro Vancouver's response will be included in a publicly available Zero Waste Committee report summarizing pre-engagement feedback. Pre-engagement feedback will inform an engagement program for the solid waste management plan update.

Yours sincerely,

Sav Dhaliwal
Chair, Metro Vancouver Board

Jack Froese
Chair, Zero Waste Committee

SD/JF/PH/sl

46211456

cc: Honourable George Heyman, Minister of Environment and Climate Change Strategy
Carol Danyluk, Section Head – Municipal Solid Waste, Ministry of Environment and Climate Change Strategy
Andrea Reimer, Chair, Solid Waste Management Plan Independent Consultation and Engagement Panel
Jennifer Kinneman, Chief Administrative Officer, Fraser Valley Regional District
Stacey Barker, Director, Regional Services, Fraser Valley Regional District

46211456

VILLAGE OF BELCARRA

"Between Forest and Sea"

4084 BEDWELL BAY ROAD, BELCARRA, B.C. V3H 4P8
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belcarra@belcarra.ca • www.belcarra.ca

May 11, 2021

Sav Dhaliwal, Chair
Metro Vancouver Board
4730 Kingsway
Burnaby, BC V5H 0C6
Via email: chair@metrovancouver.org

Dear Chair Dhaliwal,

Re: Metro Vancouver's Solid Waste Management Plan Update

Please be advised that at a Regular meeting of Belcarra Council held on May 10, 2021, the following motion was passed:

> "That staff advise Sav Dhaliwal, Chair, Metro Vancouver Board that the preferred communication for Belcarra will be with Mayor Ross, the Chief Administrative Officer and a Councillor Wilder; and
> That Belcarra representatives have the ability to connect with Metro Vancouver Zero Waste panel members; and
> That a time frame be obtained for participation."

We look forward to working with you on Metro Vancouver's Solid Waste Management Plan Update.

Sincerely,

Lorna Dysart
Chief Administrative Officer

cc Jack Froese, Chair, Zero Waste Committee, jfroese@tol.ca
Sarah Evanetz, Division Manager, Strategy & Stakeholder Relations, sarah.evanetz@metrovancouver.org
Mayor Jamie Ross, Village of Belcarra, jross@belcarra.ca
Councillor Liisa Wilder, Village of Belcarra, lwilder@belcarra.ca

PORT MOODY
CITY OF THE ARTS

100 Newport Drive, Port Moody, B.C., V3H 5C3, Canada
Tel 604.469.4500 Fax 604.469.4550
www.portmoody.ca

May 13, 2021

File No. 5360-01

Sarah Evanetz,
Metro Vancouver
4730 Kingsway
Burnaby, BC V5H 0C6

Dear Sarah Evanetz,

Re: Metro Vancouver's Solid Waste Management Plan Update

The City of Port Moody thanks Metro Vancouver for the opportunity to provide feedback on the engagement process as Metro Vancouver works to update the region's Solid Waste Management Plan.

For the City of Port Moody's ongoing involvement and support please continue to notify the City in writing as engagement opportunities arise, significant milestones are achieved, and throughout all key phases as the Solid Waste Management Plan updates evolve.

Yours truly,

Paul LeBlanc
Manager, Solid Waste, Fleet & Shared Services
Engineering & Operations

EDMS-557636

From: Ralph McRae
To: Metro Vancouver Solid Waste Management Plan Update
Cc: "Rob Deane [redacted]"
Subject: RE: Solid Waste Management Plan Consultation and Engagement
Date: Friday, May 21, 2021 11:01:15 AM
Attachments: Metro Presentation Consultation May 2021.pdf

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

To: All Members of The Solid Waste Management Plan Independent Consultation and Engagement Panel ("Panel"), established by the Greater Vancouver Sewerage and Drainage District ("GVS&DD") Board.

Please assure that this email is timely delivered to all members of the Panel and advise me by return email when that has been done.

I received an unsolicited invitation to present to the Panel on May 17, 2021. By my email of May 1, 2021 I accepted that invitation. You replied on May 4, 2021 with the email below. Therein you state:

> *Please confirm whether this time slot works for you:*
> ***1:40pm-2:10pm on May 17, 2021***
> *You will be allotted* ***10 minutes*** *to present at approximately 1:40-1:50pm. You will enter a waiting room initially.* [emphasis added]

I have presented many times to the GVS&DD Board and its Committees. It is your usual practice to provide me five quiet minutes to make my presentation, followed by a question and answer period. The process you outlined above, by all appearances, followed that pattern. Based on those clear instructions, I prepared a presentation that would take almost precisely 10 minutes for me to read to you. I wished to be respectful of your time and instructions and wanted to use only the 10 minutes allocated to me for that purpose. I anticipated the balance of the 20-30 minutes would be dedicated to questions, discussion or debate.

I have spoken to others who received the same invitation from you. Their expectations were no different than mine.

I was in the waiting room of the provided *Zoom* call link at precisely 1:40pm on the 17th instant. The meeting commenced slightly before 1:45pm. Mayor Froese opened with a greeting and introduction. At my first opportunity I told him my presentation would take slightly more than the 10 minutes allotted. He said nothing in direct response and proceeded to ask each of the Panel members on the call to introduce themselves. Those introductions dragged on for the better part of five minutes.

I was then asked to present. Two to three minutes into my 10 minute presentation, Mayor Froese interrupted me saying that the entire call was only scheduled to last 10 minutes and I needed to wrap up. I was shocked. The portion of my presentation read, without the context of the balance, would at best be confusing. I protested the interruption and truncation of time and explained the reason for my distress. All Mayor Froese could say was that he understood "how the instructions could have been misleading", or words to that effect. He then talked over me for the balance of the 10 minute call.

I have read your instructions several times now, both before and since. They are neither complex nor confusing. They provided me the opportunity to present for "10 minutes", not two. The promised opportunity was denied me.

What is even more troubling is that it quickly became obvious I was not the first person to raise this issue with you. Why then - when I had made it clear at the outset I intended to take the full 10 minutes to present - would you ignore me and eat up the majority of the time by telling me in great detail who you each were? That was not only disrespectful it, upon reflection, seems intentionally designed to further limit my time to speak.

My experience with GVS&DD consultations is that they are at best pro forma processes crafted to tick some legal box and convince the uninitiated that their voices have been heard. They are not consultative in the least. You may from time to time hear, but you never listen. After more than a decade of this the reason has become clear: you have an established agenda and have absolutely no interest in the advice, views or opinions of those you regulate and compete with unless – of course - they slavishly support that agenda.

I tried to outline for you a basis upon which Revolution and I could work with you to achieve a better outcome for a region we love and our business has supported for more than three decades. It's so very clear that you could care less about us or what we have to say.

But I can also see how tactics like these benefit you. They so frustrate your potential opponents that many lose the needed motivation to stay involved and your chosen path forward is cleared of obstacles. However, these matters are of such critical import to Revolution and our community that each time you behave so cavalierly, it only steels our resolve to shine the light on and oppose your selfish, misguided interests.

Being an eternal optimist, I prayed this time might be different and the inclusion of Andrea Reimer as Chair of the Panel actually gave me hope. Without her presence, history would have told me to not even waste any time on this. I can now clearly see that regardless of who is involved, you are once again pressing forward with a process bathed in disrespect and disdain for your constituents and that whatever plan you create will be as doomed to failure as those past. To quote Peter Townshend: *We Won't Get Fooled Again*.

Despite my better judgement I enclose the text of the presentation I had intended to make, for whatever twisted record you'll now fashion.

Sincerely,

Revolution

Ralph D. McRae

Chairmand & CEO

[redacted]

From: Metro Vancouver Solid Waste Management Plan Update

Sent: May 4, 2021 2:08 PM

To: Ralph McRae

Subject: RE: Solid Waste Management Plan Consultation and Engagement

Hi Mr. McRae:

Thank you for your interest in meeting with the Independent Consultation and Engagement Panel on May 17, 2021, to discuss how you would like to participate in the solid waste management plan update process over the next 2-3 years. The panel's role is to advise Metro Vancouver staff and Board on the development and implementation of the engagement process related to the solid waste management plan update.

Note at this initial stage of engagement Metro Vancouver is seeking feedback on how you would like to be updated and provide feedback on components of the new plan as it's being developed. This first step will help shape/design our engagement program moving forward. There will be many opportunities in the future to provide feedback on various components of the updated plan itself.

Please confirm whether this time slot works for you:

1:40pm-2:10pm on May 17, 2021

You will be allotted **10 minutes** to present at approximately 1:40-1:50pm. You will enter a waiting room initially.

Please reply to this email to confirm the following details:

- What group, organization or association do you represent?
- Will you have a PowerPoint presentation?
- How many people will be joining the call? Please provide names and position titles if possible.
- Please confirm your attendance, based on the information provided above and the time slot assigned.

Upon your reply to this email to confirm your meeting with the panel, you will receive a calendar invitation with Zoom meeting details and instructions.

Other ways to provide feedback:

Visit our solid waste management plan engagement web page to learn more and complete our 3-minute questionnaire.

Sign up here to receive future updates and invitations to engagement events and activities. Be sure to click "Solid Waste Management Plan update" as a topic of interest.

From: Ralph McRae [mailto:Ralph@mcraegroup.ca]

Sent: Saturday, May 1, 2021 12:05 PM

To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>

Subject: Solid Waste Management Plan Consultation and Engagement

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

As indicated on your website (http://www.metrovancouver.org/services/solid-waste/engagement/swmp/Pages/default.aspx), I would appreciate the opportunity to speak to the Consultation and Engagement Panel on May 17, 2021.

Please let me know what time works best and provide contact information. My telephone number is below.

Ralph D. McRae
[redacted]

May 17, 2021

Metro Vancouver Consultation

I have two issues to address:

- First, the fundamental assumptions you use to justify your policies; and
- Second, the absolute necessity that you resolve your incompatible conflict as both my regulator and competitor.

Your past efforts at regulatory change failed because your real agenda was different than you claimed. You strove to protect your MSW disposal monopoly, not seek "Zero Waste".

You present "source separation only" systems as a panacea because your industry supporters have for 40 years lived by them and because they will forever produce excessive levels of garbage for you to bury, burn and profit from.

Any initiative that conflicts with that approach – no matter how worthy - is besmirched, hampered and inevitably crushed. The result has been a lost decade.

I could go on for hours, but as time is short, I will focus on two specific real-World examples that, if you open your minds, will explain why you keep falling short of your goals.

RECYCLING RATES:

This is a QUOTE from your own Project Overview:

> *Today, the Metro Vancouver region recycles 63% of the waste generated (compared to a North American average of 26.5%...)*

That is incredible. It's also a bald-faced lie, and provably so. To say it you need to grossly manipulate statistics and ignore the truth. If you use this as the basis for your plan, it will once again fail. So now is the time to come clean and redefine the problem. There will not be another.

Here are some of the simple facts:

- You most recently claim 1.3M tonnes disposed and 2.2M tonnes recycled. That's 63% of 3.5M tonnes. But the sectors you regulate: Residential and ICI, together generate less than 2M tonnes of all types of material.
- To create your bloated statis you throw in Construction & Demolition and claim it achieves a 77% diversion rate, yet your own reports show that every C&D recycling facility in the region is mired in the mid-20's, or below.
- So, you have to jack up your numbers by adding 700,000 tonnes of concrete; something that is 100% recycled and you don't even regulate. The same is true of metals. The result: 25% of your 63% is padding: 40% of your total.
- Why stop there. Start counting old cars and contaminated soils? You're in the MUNICIPAL SOLID WASTE REGULATORY BUSINESS. LIMIT YOUR ANALYSIS TO THAT.

- But it gets worse. You also fail to do the most basic thing needed to drive reliable statistics: a comprehensive supply chain audit **through to end of life**. In your World, when 100,000 tonnes is delivered to a "recycler" you count the entire 100,000 tonnes as being recycled, even if – as is the case with plastics - 90% is landfilled or burned. It's an environmental Ponzi scheme.
- You claim to enforce an Organics ban at your transfer stations, yet when Harvest Power failed in late 2018 you "temporarily" raised the acceptable organic content level per load 500% from 5 to 25%, and burned it. There are plenty of legitimate composters in the Region who would love to recycle that material. You do this because organics are heavy and you need the tipping fee revenue to balance your budget. Do you see the conflict?

Any plan must be built on a firm **and honest** foundation. You delude yourself to our collective detriment. Imagine telling every person in the Region that a new Metro COVID vaccine achieved a 100% immunity rate, with zero side effects. People would quickly forego all others for yours. What if you misled them knowing the true effectiveness was really 50%; half that? Of course, you'd never do that, so why lie about your recycling rates? They are really in the mid-30% range - not the stratospheric mid-60's you claim - and when your voters figure this out they'll be furious.

Here's a shocking example of the truth:

- Recycle BC is mandated to achieve a 73% diversion rate. They last reported an astounding 78%. You, without more, say "bravo" and jam those bogus statistics into your numbers.
- Until last spring Recycle BC was operated by *Green by Nature*, a consortium that included Cascade Paper, Emterra (your transfer station operator) and Merlin Plastics.
- On April Fools Day last year, Recycle BC contacted us. They said they had several thousand tonnes of "mixed paper", jammed into one of Emterra's facilities that they simply couldn't recycle. They asked if we could compost it so they could include that tonnage in their diversion stats. Otherwise, they had to landfill it, dropping their recycling rate well below the 73% threshold. They were in deep trouble.
- They told us the bales contained less than 5% plastic contamination. We asked to pick up a sample to test their claim.
- We took the bale to our MRF and picked through it. [Attachment "A"] 10-man hours later, here is the result: more than 40% plastic contamination. It's garbage, not recyclable material.
- We told them the only way we could help was to manually process everything at a cost of over $200 per tonne. As they pleaded with us to solve their problem it became clear they had a lot more material than they first admitted and were petrified they had a multi-million dollar disaster on their hands that was about to be exposed.
- Merlin's main recycling facility is located on Gifford St in New Westminster. It is regulated by Metro and has strict limits on how much material can be stored there. But, ten blocks away – at 401 Salter Street - is a dilapidated warehouse and storage yard that as you can see on these Google Maps photos at Attachment "B" is littered with thousands of bales of contaminated paper and plastic.
- Salter Street is owned by an affiliate of Merlin and leased to yet another affiliate of Merlin. It is NOT regulated by Metro and to you might as well be China. By my

calculations it is the dumping ground for more than 10,000 tonnes of garbage. The very same type of waste Recycle BC tried to foist on us as recyclable material.

- The cost disposing of that contaminated mess would run well into the millions of dollars. You call it "recycled".
- A few short months later, in the night of October 12, 2020 [Attachment "C"], a **"suspicious"** fire erupted at the secret Salter storage facility and, "ABARACADABRA", all that "garbage" magically disappeared into our air shed. Search the *Global TV* video from that night. You'll be shocked at what you see: https://globalnews.ca/news/7393536/massive-blaze-burning-in-industrial-area-of-new-wests-queensborough-neighbourhood/
- Did you and Recycle BC back those numbers out of your recycling statistics? Go check.
- Just a few years ago that garbage would have been loaded into shipping containers and sent to Asia where it would have ended up in the *Great Pacific Garbage Patch*. You would have counted it as recycled back then too. When that game evaporated, nothing truly changed and unless you do, nothing soon will.

Anecdotally, when Harvest Power shut down two years ago and left **300,000** tonnes of organics rotting on Port land in Richmond, most driven below ground. It was effectively landfilled, not recycled; and it's still there. Did you go back into your files and reverse those huge quantities out of your stratospheric recycling statistics? Of course not. The impact would have been huge.

Nowhere on Earth are municipal recycling rates as high as you claim they are here. What magical alchemy do we have in Metro Vancouver that doesn't exist elsewhere? None, of course.

So why not just accept our real mid-30% rate and work to improve on it?

REGULATORY CONFLICT:

- Your first flow control effort in 2013 took dead aim at Revolution's then new Vancouver MRF. You feared we would recycle the 300,000 tonnes of MSW you wanted to incinerate.
- That fight cost us millions, but we persevered. Today, the facility you so viciously derided, consistently recycles more 80% of the almost 200,000 tonnes it receives every year. We succeeded where others fail by doing things differently; and despite you.
- But your staff still can't stand that we prevailed. They constantly harass us with petty inspections and make detailed drawings of our processes so you can emulate them in your new Coquitlam facility. You use your regulatory powers to spy on us and the confidential information you steal to compete with us.
- And here is how it manifests...
- On February 4, 2021 your Paul Henderson sent a letter to Revolution that included this graph [Attachment "D"]. It shows Revolution's disposal tonnage at Metro dropping by 39% over 29 months, compared to an industry average of 6% he related to COVID. Essentially, Revolution cost Metro more than $5M in tipping fees, and he was mad.
- He demanded that I explain the reason for the drop. To responded constructively to him I would have to divulge our confidential information to a competitor.
- He shortly thereafter reported me to Ray Robb, your Solid Waste Manager and head of enforcement. I then had a call with Ray, where I jokingly mocked him as a tool of the policy

group; which he has always claimed not to be. His shockingly honest reply: *Well, Ralph, you complain about your competitors and Paul is just doing the same.*

- On April 23, Ray Robb wrote, accusing us of shipping waste out of the Region around your system, violating the Generator Levy and, the greatest sin of all: costing you money. Not one thought was given to the prospect that we had actually figured out a better way to recycle. No curiosity. Just accusations.
- The truth is, we have been achieving dramatically improved recycling results and that chart proves it. You could care less, until it hits your pocket.

During the 2013 flow control debate that engulfed Revolution's facility, then Councillor Reimer asked one of the most commonsensical questions I've heard in this venue: *If their facility even gets 1% greater recovery than we otherwise would, and they are taking all the risk, why not let them try?* No one voiced the true answer: *Because they will steal tipping fee revenue from us and we won't be able to build our shiny new incinerator.*

That very facility – that your staff condemned in the harshest terms as a "Dirty MRF", now out-recycles your real average by 250%.

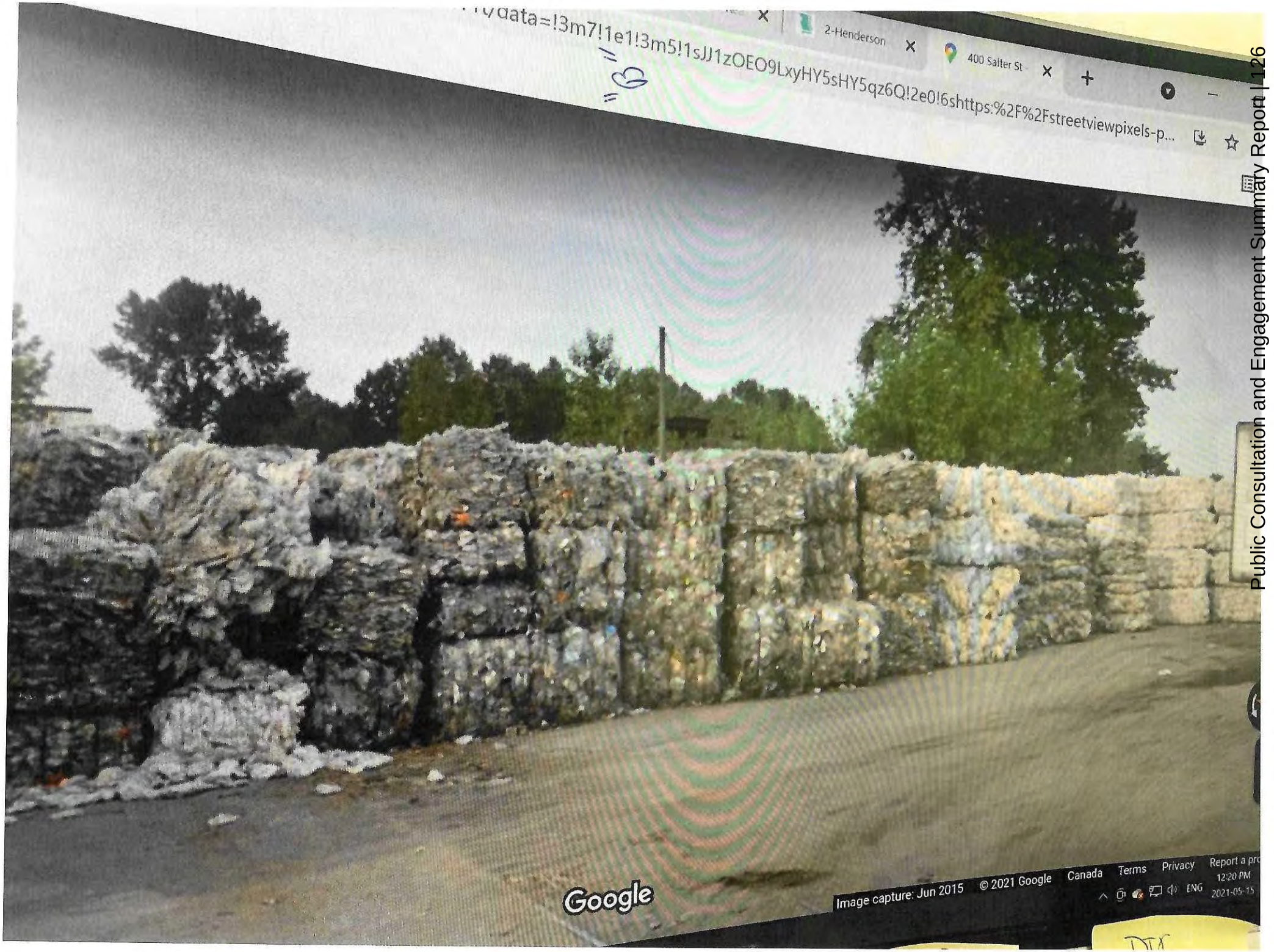
It appears to me that nothing tangible has changed in the past ten years. You don't talk of incinerators anymore, but you still want all the garbage you can lay your hands on, regardless of the impact on recycling rates. When you fine someone for bringing recyclables to your transfer stations, you don't recycle it, you dump it in the pit and burn it. When are you going to admit that Zero Waste actually means Zero Metro and you can't tolerate that? Your only hope is to sell off your transfer stations and focus on constructive regulation and motivation.

Leaving these two issues unresolved dooms any plan you develop to failure. If, however, you come clean and your motivations are pure, I'm your biggest supporter.

Thank you for listening.

"A"

401 Salter St,
New Westminster, BC...
Aecon
"B"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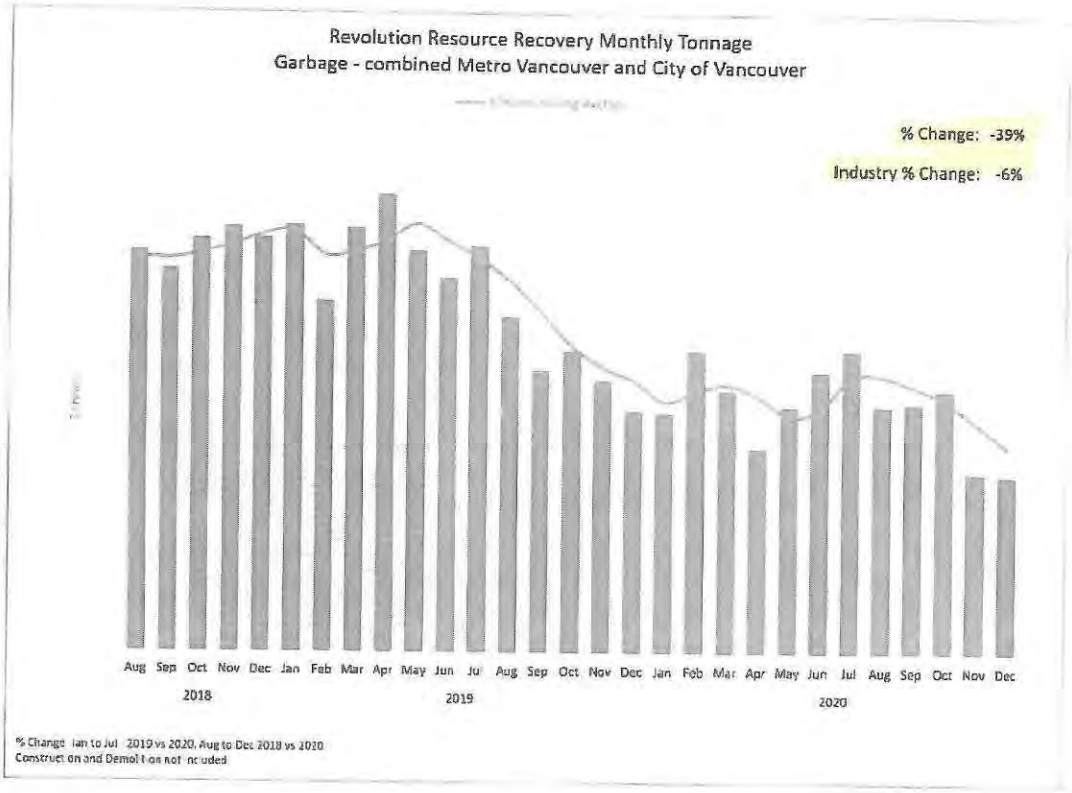
"C"



401 SALTER ST.
NEW WEST
OCT 12, 2020

Ralph D. McRae, Revolution Resource Recovery
Waste Quantities Delivered to Metro Vancouver and City of Vancouver Solid Waste Facilities
Page 2 of 2

Attachment: Revolution Waste Quantities at Metro Vancouver and City of Vancouver Solid Waste Facilities



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WASTE CONNECTIONS OF CANADA

June 23, 2021

The Solid Waste Management Plan Independent Consultation and Engagement Panel
Metrotower 3
4730 Kingsway
Burnaby, BC
V5H 0C6
Attn: Andrea Reimer, Chair

Dear Ms Reimer,

I want to thank you for providing an additional opportunity to present our input to your Panel. Your response is an important acknowledgement of the negative feedback you received. Nevertheless, I feel it is important to place on the record my concerns about our first appearance before your Panel.

On Monday, May17th, our team from Waste Connections of Canada made a presentation to the Consultation and Engagement Panel. As I ended my comments, I specifically noted that I would be honest and forthright with the Panel throughout the process. In that spirit of honesty, I have to say I was taken aback and disappointed by the format of this so-called consultation and I want to express my dissatisfaction at this time, lest anyone be left with the misapprehension that this was properly handled.

Throughout the call, I was confused as to whether we had misread the invitation. But when we went back to verify, we discovered that the email stated, **"Please confirm whether this time slot works for you: 2:20pm-2:50pm on May 17, 2021. You will be allotted 10 minutes to present at approximately 2:20-2:30pm. You will enter a waiting room initially."** We prepared our presentation and allocated time according to those ground rules

We structured a 9-minute presentation, with a further 21 minutes remaining for what we assumed would be dialogue with the panelists. We joined the call at 2:20 pm and were informed that the 10 minutes included the time during which the panelists would introduce themselves. At 2:24 pm we were given the floor. We spoke until 2:29 pm, whereupon we were thanked and told that there would be no time for questions. I ended with a commentary that we want to be cooperative and helpful, although I was honestly not reassured by what had just occurred.

We were planning to expound on the elements of a consultation process to be followed-up with a thoughtful summary of our exchange. However, I am now left doubting the sincerity of this entire process and I want to go on the record to say that this does not constitute consultation by any reasonable definition of the word. We entered this consultation in good faith hoping to contribute to a

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wasteconnectionscanada.com

process that we could buy into. We prepared to present ideas. We were misled and given the short shrift.

When we look back at the experience of the processes that led to Bylaws 280, as well as 307/8/9, we see a pattern of behaviour that seems to view Industry feedback as an inconvenience. The decisions appeared pre-baked and the process seemed intended to support an outcome, rather than shape an outcome.

I certainly hope that our next encounter with the Panel will prove to be an opportunity for true dialogue that will form the basis of an open and transparent consultation.

Sincerely,



Izzie Abrams
Vice President Government & External Affairs

Canadian Region Office | 6220 Hwy 7, Suite 600 Woodbridge, ON L4H 4G3 | T:905-532-7510
wasteconnectionscanada.com

WASTE CONNECTIONS OF CANADA

July 7, 2021

Via email: icentre@metrovancouver.org

The Solid Waste Management Plan Independent Consultation and Engagement Panel
Andrea Reimer, Chair
Metrotower 3
4730 Kingsway
Burnaby, BC
V5H 0C6

Thank you for the follow up email. We appreciated the opportunity to provide a more fulsome presentation.

In answer to your questions:

1. In the context of ongoing engagement, we would be interested to hear your thoughts on when you see the process ending – for example, when the plan is approved or as it is being implemented.

We believe engagement should continue through implementation albeit, it may be in a different format. It will be important to regularly check in with industry representatives to understand the impact on the ground and be able to make necessary adjustments.

2. The Industry Advisory Committee is one possible vehicle for engagement during plan development and implementation. When the draft Terms of Reference are published on July 9, we will forward you a link, and would be interested in your thoughts on whether it meets the tests you described for a successful framework for industry engagement.

We look forward to reviewing the Terms of Reference and hopefully to participating on the Committee. We would also like to take this opportunity to emphasize that WMABC does not represent Waste Connections of Canada or the industry as a whole. May we suggest you consider including representation from the Solid Waste Association of North America (SWANA) and/or the National Waste and Recycling Association (NWRA). Both associations are North America wide and as such view the issues through a broader lens.

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Again, thank you for the opportunity to respond. As discussed during our presentation, we will follow up by providing information with respect to baseline data for the purposes of consultation and engagement.

Regards,



Izzie Abrams
Vice President- Government Relations & External Affairs

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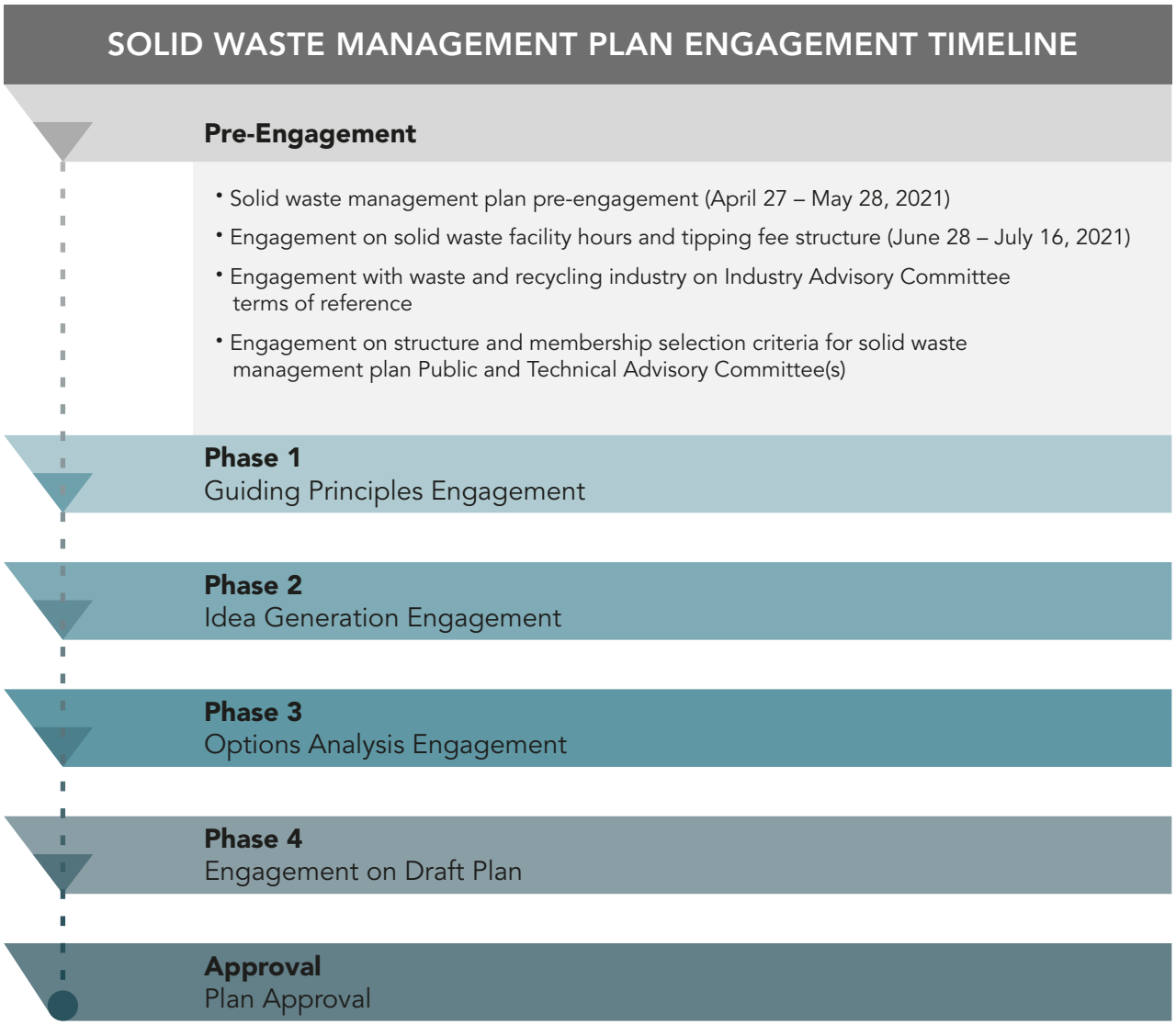
SOLID WASTE MANAGEMENT PLAN ENGAGEMENT TIMELINE
Pre-Engagement
• Solid waste management plan pre-engagement (April 27 – May 28, 2021)
• Engagement on solid waste facility hours and tipping fee structure (June 28 – July 16, 2021)
• Engagement with waste and recycling industry on Industry Advisory Committee terms of reference
• Engagement on structure and membership selection criteria for solid waste management plan Public and Technical Advisory Committee(s)
Phase 1
Guiding Principles Engagement
Phase 2
Idea Generation Engagement
Phase 3
Options Analysis Engagement
Phase 4
Engagement on Draft Plan
Approval
Plan Approval

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

To: Zero Waste Committee

From: Stephanie Liu, Senior Engagement Specialist, Solid Waste Services

Date: July 5, 2023 Meeting Date: July 13, 2023

Subject: **Solid Waste Management Plan: Vision and Guiding Principles Engagement Initial Feedback**

RECOMMENDATION

That the Zero Waste Committee receive for information the report dated July 5, 2023, titled "Solid Waste Management Plan: Vision and Guiding Principles Engagement Initial Feedback".

EXECUTIVE SUMMARY

In Spring 2023, Metro Vancouver launched engagement on the vision and guiding principles for an updated solid waste management plan. Metro Vancouver has reached out to First Nations, member jurisdictions, adjacent regional districts, and advisory committees. A range of feedback has been received on values, interests and priorities to be considered. Themes heard so far include accountability, climate resilience, convenience, environmental stewardship, and promoting a circular economy through increased reuse and repair. Feedback received will contribute to the development of the vision and guiding principles for the updated solid waste management plan. Following a public engagement period later this year, staff will report back with a full engagement summary report, a draft vision statement, and guiding principles for consideration.

PURPOSE

The purpose of this report is to provide the Zero Waste Committee with a summary of engagement with and feedback received from First Nations, member jurisdictions, adjacent regional districts, and advisory committees on the vision and guiding principles for the updated solid waste management plan, prior to launching public engagement.

BACKGROUND

In November of 2019 the GVS&DD Board (Board) authorized initiating an update of the regional solid waste management plan, as required by the provincial *Environmental Management Act* and according to the provincial guidance document *A Guide to Solid Waste Management Planning*. Subsequently, a Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) was formed to provide third-party expert advice on the development of a comprehensive and inclusive engagement process. Pre-engagement was completed in 2021 to receive feedback on how audiences wanted to be involved moving forward, and the Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee were formed in 2022 to provide input throughout all phases of the plan update.

On February 9, 2023 the Zero Waste Committee received for information a report outlining the approach for the vision and guiding principles phase of engagement, including the plan to begin engaging First Nations, member jurisdictions, adjacent regional districts, and advisory committees in Spring 2023, prior to launching public engagement. This report provides an update on feedback received so far. Public engagement is planned for later this year.

2020	2021	2022	2023	2024 and beyond
Engagement Panel formation *Third-party expert advice on engagement; works with staff and reports to Board* **June: Board received Engagement Panel terms of reference** **November: Board received information on Engagement**	Pre-engagement; engagement program development *Invite feedback on how audiences want to be engaged.* **July: Board received pre-engagement feedback and draft terms of reference for IAC** **November: Board approved engagement program.**	Advisory committee formation *Public/Technical Advisory Committee (PTAC) and Industry Advisory Committee (IAC)* **January: Zero Waste Committee received updates on IAC member application process** **February: Zero Waste Committee received update on IAC formation, and PTAC development** **April: Board approved PTAC membership** **May: Zero Waste Committee received information on first IAC meeting and proposed update to terms of reference.**	Vision and guiding principles engagement **February: Zero Waste Committee received information on planned engagement.** **April: Committee provided input on vision and guiding principles.** **July: Board received report on initial feedback.**	Future engagement phases including idea generation, options analysis, and draft plan

VISION AND GUIDING PRINCIPLES ENGAGEMENT INITIAL FEEDBACK

In Spring 2023, Metro Vancouver reached out to First Nations, member jurisdictions, adjacent regional districts, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee to seek feedback on vision and guiding principles for the solid waste management plan update.

The vision and guiding principles phase will set the plan foundation and direction, and reflect fundamental values to guide plan development and implementation. In addition to engagement feedback, Metro Vancouver is reviewing themes from the Board Strategic Plan, the principles within other long-range regional management plans, and principles outlined in the provincial *A Guide to Solid Waste Management Planning.* Feedback received during this phase will contribute to the development of the vision and guiding principles for the updated plan, and inform subsequent phases of engagement including idea generation and options analysis.



During this phase of engagement, staff sought feedback on what is important to audiences in terms of design, purchase, use, reuse, repurpose, recycle, and disposal in Metro Vancouver, and what could be better in the future. Audiences provided input on their values, interests, and priorities as they relate to solid waste, and also identified priority waste reduction, recycling, and garbage disposal topics to be considered.

During each meeting and workshop, staff provided a presentation on the current state of solid waste management in the region, including initiatives underway to reduce waste, increase recycling, and advance a circular economy. Four key questions were presented:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

First Nations Engagement

Metro Vancouver recognizes that creating a solid waste management plan that reflects Indigenous knowledge, interests, values, and priorities will make a stronger plan for everyone, and acknowledges the importance of ensuring that First Nations who wish to be involved have the

opportunity for meaningful engagement. The ongoing solid waste management plan development process presents an opportunity to advance collaboration and reconciliation with First Nations.

On February 23, 2023, letters were sent to the ten local First Nations offering to meet and inviting feedback on the solid waste management plan vision and guiding principles. On March 3, 2023, letters were sent to 19 First Nations located outside Metro Vancouver with interests in the region and Métis Nation of BC, inviting feedback on this phase of the plan update.

From March to May 2023 Metro Vancouver met with representatives from seven of the ten local First Nations to discuss vision and guiding principles for the updated solid waste management plan, including the following Nations:

- q̓ʷɑ:ńƛ̓əń (Kwantlen First Nation)
- kʷikʷəƛ̓əm (Kwikwetlem First Nation)
- xʷməθkʷəy̓əm (Musqueam Indian Band)
- Sḵwx̱wú7mesh Úxwumixw (Squamish Nation)
- scəẃaθən məsteyəxʷ (Tsawwassen First Nation)
- sálílwətaʔɬ (Tsleil-Waututh Nation)
- máthxwi (Matsqui First Nation)

Feedback included a request for further clarity on how the plan update is relevant to or impacts First Nations, and aligmnent with First Nations feedback previously provided during other engagement processes on management plans at Metro Vancouver.

Other items discussed included:

- Improving accessibility to solid waste programs and services;
- Increasing education and awareness;
- Highlighting economic opportunities where possible;
- Considering affordability;
- Focusing on environmental stewardship;
- Reducing plastic packaging and single-use items;
- Encouraging innovation;
- Reducing abandoned waste;
- Simplifying recycling; and
- Collaborating on existing Metro Vancouver Solid Waste Services waste reduction programs and initiatives.

Member Jurisdiction, Adjacent Regional District and Advisory Committee Engagement
On March 30, 2023, Metro Vancouver sent letters to mayors and councils of member jurisdictions, and adjacent regional district boards, to introduce and invite feedback on the vision and guiding principles phase of engagement on the solid waste management plan update. In addition, workshops were scheduled with the Solid Waste Management Plan Public and Technical Advisory Committee and the Solid Waste and Recycling Industry Advisory Committee.

A list of meetings and workshops held with member jurisdictions and advisory committees is provided in the table below. In addition to these completed meetings, staff have scheduled upcoming meetings with adjacent regional district staff and the Youth and Education Advisory Panel.

Audience	Type	Dates
Member jurisdiction staff: Regional Engineers Advisory Committee; Regional Engineers Advisory Committee Solid Waste Sub-Committee, Municipal Waste Reduction Coordinators' Committee	Workshop	March 30, 2023
Zero Waste Committee and Climate Action Committee	Joint committee discussion at a Zero Waste Committee regular meeting	April 13, 2023
Waste Management Association of BC (WMABC)*	Invited presentation at regular member's meeting	April 27, 2023
Solid Waste Management Plan Public/Technical Advisory Committee	Workshop	April 28, 2023
Member jurisdiction staff: Invest Vancouver Advisory Committee	Presentation and discussion at regular meeting of the committee	May 24, 2023
Solid Waste and Recycling Industry Advisory Committee	Workshop	June 6, 2023

*WMABC specifically requested Metro Vancouver staff to attend a regular WMABC member's meeting to present on vision and guiding principles for the solid waste management plan update.

In addition to these scheduled meetings and workshops, staff provided updates at regular meetings of the Regional Engineers Advisory Committee (REAC), REAC Solid Waste Sub-Committee, and Municipal Waste Reduction Coordinators' Committee.

Some overarching themes that emerged included accountability, climate resilience, convenience, environmental stewardship, education, and promoting a circular economy through increased reuse and repair.

A high-level summary of feedback is provided in the table below. In addition, meeting summaries that were sent to each group to follow-up after the workshops are included as Attachments 1-5. Note that the feedback presented in this report and in the meeting summaries attached are meant to highlight key themes that emerged from the discussion.

Detailed discussion notes are being retained as part of the full engagement record, and individual comments will be included in feedback logs as part of an engagement report that will be provided at the end of this phase on vision and guiding principles. Feedback received during this phase of engagement will contribute to the development of the draft vision and guiding principles for the updated solid waste management plan, and help to inform future phases including idea generation and options analysis.

Theme	Description	Source				
		Zero Waste Committee / Climate Action Committee	Member jurisdiction staff*	Public/Technical Advisory Committee	Industry Advisory Committee	Waste Management Association of BC **
Accessibility, equity, and societal improvements	Ensure all groups have equal access to information, education, and services related to solid waste and recycling.		✓	✓	✓	
Accountability and Transparency	Foster accountability from producers and consumers to reduce waste. Provide regular reporting on progress and improvement of metrics.		✓	✓	✓	
Affordability	Consider cost of accessing recycling and waste services, and cost of durable goods that last.		✓	✓	✓	✓
Circular Economy	Encourage repair, reuse and thrifting. Facilitate circular product design, support circular industries, and build public understanding about the circular economy.		✓	✓	✓	
Climate Resilience	Invest in systems that have the lowest climate impact. Align with corporate GHG emission goals.	✓	✓	✓	✓	
Convenience and Consistency	Provide convenient, accessible, and harmonized services across the region.	✓	✓	✓	✓	
Education and Behaviour Change	Provide clear and consistent messages to encourage a cultural shift for sustainable consumption and to foster confidence in recycling systems.	✓	✓	✓	✓	✓
Environmental Stewardship	Embed Indigenous knowledge and values such as environmental stewardship. Reduce pollution and consider health impacts. Value and protect the natural beauty of our region.		✓	✓		
Incentives	Incentivize diversion over disposal (e.g. taxation, recycling deposits)		✓	✓	✓	
Innovation	Utilize new technologies to reduce plastics and GHG emission.		✓	✓	✓	
Policy and Regulation	Provide regulatory framework that allows for innovation within the industry. Strategies and solutions to ensure adequate capacity for waste, recycling and organics.			✓	✓	✓
Product Design and Innovation	Design products that are more circular and regenerative.	✓	✓	✓	✓	

*Includes REAC, REAC Solid Waste Sub-Committee, Municipal Waste Reduction Coordinators' Committee, and Invest Vancouver Advisory Committee

**WMABC specifically requested Metro Vancouver staff to attend a regular WMABC member's meeting to present on vision and guiding principles for the solid waste management plan update.

Zero Waste Committee and Climate Action Committee Joint Discussion at the April 13, 2023 Zero Waste Committee meeting

At the April 13, 2023 Zero Waste Committee, the Zero Waste Committee and Climate Action Committee received a presentation providing an overview of solid waste management in the region, and discussed the priorities, interests, and values of communities represented across the region by committee members. Input from the committees will be incorporated in the next phases of engagement work. Themes emerging from the discussion on key solid waste management topics and values to consider as part of the solid waste management plan development included:

- Standardizing and simplifying recycling systems
- Aligning with greenhouse gas emission targets from other Metro Vancouver management plans
- Avoiding food waste and reducing food packaging
- Reducing plastics, including plastic packaging and single-use items
- Aligning with National Zero Waste Council on national efforts to reduce packaging
- Reducing waste, including reducing consumption and designing products to reduce waste
- Maximizing technological innovation, including recycling sorting and processing technology
- Considering environmental resilience and climate impacts
- Facilitating behaviour change

Upcoming Public Engagement on Vision and Guiding Principles

Metro Vancouver will launch the public engagement portion of the vision and guiding principles phase of engagement later this year. This will involve inviting a broad public audience to provide feedback through a range of engagement activities, such as an online survey, public webinars and workshops, and an opportunity for interested parties to present to Engagement Panel.

In addition, there are upcoming meetings scheduled with adjacent regional district staff and the Youth and Education Advisory Panel. Upon completion of the public engagement period, staff will report back with a full engagement summary report for the vision and guiding principles phase of engagement, along with a draft vision statement and guiding principles for consideration by the Zero Waste Committee and Board, and comments from the Engagement Panel on this phase of engagement.

Collaborative Engagement

Metro Vancouver is trialing an initiative to offer funding to not-for-profit organizations with an interest in solid waste management planning or environmental issues to gather feedback from their own communities on the vision and guiding principles for the updated solid waste management plan. The goal of this initiative is to hear from residents and organizations who otherwise may not be aware of opportunities to provide input to Metro Vancouver, including underrepresented and equity-denied communities. A toolkit will be developed as a resource for participating organizations for the purpose of running engagement activities.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS
Activities related to planning and implementing engagement on the update to the solid waste management plan are covered under the approved Solid Waste Services budget.

CONCLUSION
Metro Vancouver met with First Nations, member jurisdictions, and advisory committees to discuss values, interests, and priorities that may be incorporated into the vision and guiding principles for an updated solid waste management plan. The development of a vision and guiding principles will set the plan foundation and direction and will incorporate themes from the Board Strategic Plan, principles within other long-range regional management plans, and engagement feedback. Feedback received during this phase will contribute to the development of the vision and guiding principles for the updated plan, and inform subsequent phases of engagement including idea generation and options analysis.

Following a public engagement period later this year, staff will report back with a full engagement summary report and a draft vision statement and guiding principles for consideration.

Attachments
1. Workshop Summary – Member Jurisdiction Staff (REAC, REAC-SW, MWRCC) – March 30, 2023
2. Meeting Summary – Waste Management Association of BC Member's Meeting – April 27, 2023
3. Workshop Summary – Solid Waste Management Plan Public / Technical Advisory Committee – April 28, 2023
4. Meeting Notes Excerpt – Invest Vancouver Advisory Committee – May 24, 2023
5. Workshop Summary – Solid Waste and Recycling Industry Advisory Committee – June 6, 2023
6. Presentation re: Solid Waste Management Plan Vision and Guiding Principles Engagement Initial Feedback

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SOLID WASTE MANAGEMENT UPDATE VISION AND GUIDING PRINCIPLES

Member Jurisdiction Staff Advisory Committees Workshop

March 30, 2023

On March 30, 2023, Metro Vancouver held a workshop with members of the Regional Engineers Advisory Committee-Solid Waste Sub-Committee, Municipal Waste Reduction Coordinators' Committee, and Regional Engineers Advisory Committee (optional) to discuss vision and guiding principles for the updated regional solid waste management plan. Twenty-four member jurisdiction staff, representing 13 member jurisdictions, participated in the workshop.



The vision and guiding principles phase of engagement sets the foundation and direction for the plan development process, by gathering feedback on values, priorities, interests, and key solid waste management considerations now and into the future.

At the March 30, 2023 member jurisdiction workshop, four key questions were presented to members:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

A summary of themes that emerged at the workshop is presented in the What We Heard section below.

Next steps include providing an update report to the Zero Waste Committee on what we have heard so far through engagement with First Nations, member jurisdiction staff, and advisory committees, followed by the launch of public engagement on vision and guiding principles. Following public engagement, Metro Vancouver will produce an engagement summary report for this phase of engagement and provide a draft vision statement and guiding principles to the Zero Waste Committee and Board for consideration.

Members are encouraged to submit any additional feedback to zerowaste@metrovancouver.org before May 31, 2023.

WHAT WE HEARD

The table below summarizes themes that emerged through the discussion, which will be taken into consideration as Metro Vancouver continues to engage on the vision and guiding principles for the updated plan.

Priority	What We Heard
Accessibility and inclusivity	Ensure all have access to waste and recycling services, including First Nations, rural residents, and all demographics, e.g. non-English language speakers, those without internet access, and all ages. Provide accessible communications to facilitate access (e.g. multiple languages or using images).
Accountability	Emphasize accountability, and ownership of responsibility from both producers, consumers and businesses to reduce waste. Empower residents to be able to make those choices.
Affordability	Understand and provide solutions to how affordability influences a person's ability to purchase durable goods that last, access reuse markets, and travel to recycling facilities.
Circular economy	Increase repair, reuse and thrifting, rental economy, and building public understanding of circular economy. Foster a cultural shift to view waste as a resource and valuing high quality of pre-owned goods and reducing single-use items.
Climate action	Assess what systems and options have the lowest climate impact.
Collaboration	Foster collaboration and partnerships between residents, multiple levels of government, industry, academia, and school districts.
Convenience and consistency	Increase convenience and harmonize services across the region, and across sectors (e.g. multi-family vs single-family).
Cost incentives	Comment on using fees and taxes to incentivize recycling over disposal.
Education	Communicate with residents about their role in waste reduction, and increasing understanding of services available. Clear and consistent messaging. Encourage sustainable purchasing practices and a cultural shift with respect to consumption. Counteract greenwashing to ensure the actions residents take are effective.
Equity	Invest in people and improve lives while pursuing a zero waste future. For example, increase equity by welcoming and recognizing the role of binners into the solid waste system. Invest in people.
Indigenous values and principles	Embed Indigenous values, such as environmental stewardship and protection.
Innovation and Technology	Transition to a green collection fleet, use clean technology, data analytics and AI to provide information on contamination, and use technology for education (e.g. mobile apps). Allow for innovation.
Product and packaging design	Advocate for quality product designs that are longer-lasting, and more circular and regenerative, allowing for easier recycling, reuse and repair and reducing barriers such as liability concerns. E.g. right to repair legislation Reduce excess packaging, often due to surge in convenient delivery practices. Allowing residents to have a choice in the amount of packaging received.



Member jurisdiction staff workshop activity: "What waste reduction, recycling and garbage disposal topics are most important, now and into the future?"

WORKSHOP ATTENDEES:

Zac Dér, City of Burnaby
Danielle Dontchev, City of Coquitlam
Shannon Hadley, City of Coquitlam
Tess Rouse, Township of Langley
Kwaku Agyare-Manu, City of New Westminster
Meghan Doyle, City of New Westminster,
Stacy Neves, City of New Westminster
Annie Dempster, City of North Vancouver
Lianne Shyry, City of North Vancouver
Caroline Jackson, District of North Vancouver
Michael Toland, District of North Vancouver
Nicola Chevallier, District of North Vancouver
Aubrey McIlwraith-Black, City of Vancouver
Charisse Metcalfe, City of Port Coquitlam
Joshua Frederick, City of Port Coquitlam
Cristy Houston, City of Richmond
Kristina Nishi, City of Richmond
Harry Janda, City of Surrey
Jeffrey Martel, City of Surrey
Christopher Combe, Township of Langley
Emily Willobee, District of West Vancouver
Kristeen DeGobbi, District of West Vancouver
Trevor Doré, District of West Vancouver
Kristian Davis, City of White Rock

Meeting Summary

Metro Vancouver Solid Waste Management Plan Update

Vision and Guiding Principles

WMABC Member's Meeting - Apr.27 2023

On April 27, 2023, Metro Vancouver was invited to attend a WMABC member's meeting to provide a presentation on the vision and guiding principles engagement for the solid waste management plan update. Following the presentation, Metro Vancouver posed four key questions to members:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

The following themes were identified by WMABC members at the meeting, which will be taken into consideration as Metro Vancouver continues to engage on the vision and guiding principles for the updated solid waste management plan:

- Ensure adequate capacity to handle waste and recyclables.
- Provide consistent and reliable policy framework for the waste and recycling industry to operate within.
- Provide education to foster confidence in recycling systems, to motivate residents to make choices that will reduce waste and increase recycling.
- Foster collaboration and cooperation between waste and recycling industry and local, regional, and provincial government.
- Recognize that affordability is a major factor to encourage behavior change among the public (financial incentive).
- Ensure a level playing field for both government and the private sector.

Next steps include providing an update report to the Zero Waste Committee on what we have heard so far through engagement, followed by the launch of public engagement on vision and guiding principles.

WMABC and its members are encouraged to send any additional feedback to zerowaste@metrovancouver.org, before May 31, 2023.

SOLID WASTE MANAGEMENT UPDATE VISION AND GUIDING PRINCIPLES

Solid Waste Management Plan Public/Technical Advisory Committees Workshop

April 28, 2023

On April 28, 2023, Metro Vancouver held a workshop with members of the Solid Waste Management Plan Public/Technical Advisory Committee (PTAC) to discuss vision and guiding principles for the updated regional solid waste management plan. There were 20 of 32 PTAC members present as well as one observer.



The vision and guiding principles phase of engagement sets the foundation and direction for the plan development process, by gathering feedback on values, priorities, interests, and key solid waste management considerations now and into the future.

At the April 28, 2023 PTAC workshop, four key questions were presented to members:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

A summary of themes that emerged at the workshop is presented in the What We Heard section below. Note that the feedback presented here is meant to highlight key themes from the discussion. Detailed discussion notes are being retained as part of the full engagement record, and individual comments will be included in feedback logs as part of an engagement report at the end of this phase on vision and guiding principles.

Next steps include providing an update report to the Zero Waste Committee on what we have heard so far through engagement with First Nations, member jurisdiction staff, and advisory committees, followed by the launch of public engagement on vision and guiding principles. Following public engagement, Metro Vancouver will produce an engagement summary report for this phase of engagement and provide a draft vision statement and guiding principles to the Zero Waste Committee and Board for consideration.

Members are encouraged to submit any additional feedback to zerowaste@metrovancouver.org before May 31, 2023.

WHAT WE HEARD

The table below summarizes themes that emerged through the discussion, which will be taken into consideration as Metro Vancouver continues to engage on the vision and guiding principles for the updated plan.

Priority	What We Heard
Accessibility and inclusivity	• Enable easy, cheaper and local access to services. Support people to meet them where they are so they can have access.
Accountability	• Improve metrics to report on reuse, repair and diversion, and waste generation (including food) to enable us to reach bold goals. • Regularly set targets and share data publicly. • Recognize the shared responsibility of individuals and industry.
Affordability	• Understand and provide solutions to how affordability influences a person's ability to purchase durable goods that last, access reuse markets, and travel to recycling facilities. Suggest making poor quality materials more expensive to disincentive their use, for example by incorporating costs related to environmental/health risks and clean-up. • Incentivize prevention over diversion over disposal.
Circular economy	• Start at the top of the waste hierarchy; increase reuse, repair, and remanufacture. • Create longer lasting products that are valued. • Design closed loop systems and encourage highest and best use of a product. • Facilitate development of infrastructure to support circular economy industries. • Build the circular economy to create jobs.
Climate action	• Advance current greenhouse gas reduction targets that align with sustainable development goals, to achieve climate goals. • Consider carbon footprint from production, extraction, and distribution. • Include food as integral to climate action plans. • Reduce dependency on disposal, including incineration, by increasing focus on waste prevention, reduction and diversion. • Improve system resiliency to climate change impacts.
Collaboration	• Collaborate with all levels of government, private businesses, and industry. • Engage with and foster a sense of community.
Convenience, consistency, simplicity	• Increase convenience and harmonize services across the region, and across sectors. Reduce complexity to combat decision fatigue.
Cultural sensitivity and respect	• Recognize cultural pressures or norms about consumption that impact actions related to waste.
Education and behavior change	• Provide clear communications to help increase understanding of the waste being created, and build public trust about recycling systems including end markets. • Increase transparency and awareness about the waste system, especially among younger populations.

	• Shift cultural norms to make waste prevention and recycling relevant, including using enjoyment/fun as tools to motivate collective action.
Environmental stewardship	• Review global climate footprint, biodiversity, sustainable development, and impact on people. • Acknowledge the importance and value of keeping the land healthy and regenerative. • Minimize discharges to the environment. • Minimize health, environmental, and financial risks using the precautionary principle.
Equity	• Make waste solutions accessible for modest/low income groups. • Increase equity by simplifying language, providing recycling services in all languages, and recognizing that not everyone has background of being zero waste expert. • Empower those who are marginalized. • Consider those who are food insecure; acknowledge those who are not aware of recycling or have limited access to education. • Consider the doughnut economic model to live within our planetary means while ensuring no one falls short on life's essentials
Innovation	• Advance the waste prevention, reuse, and repair economies, as well as technological innovations and habit innovations. • Provide options for reuse, repair and recycling that are easier than disposal. • Introduce alternative, more sustainable products and consider subsidizing these options to reduce the financial barrier.
Regulation	• Develop and strengthen a regulatory framework that encourages innovation and waste prevention, includes food waste reporting, removes barriers to recycling, and has the flexibility to respond to change.



Public/Technical Advisory Committee Workshop activity: "What waste reduction, recycling and garbage disposal topics are most important, now and into the future?"

WORKSHOP ATTENDEES:

Director Sarah Kirby-Yung, Chair
Director Craig Hodge, Vice-Chair
Ben Liegey
Bill Chan
Brenda Martens
Brianne De Man
Cody Irwin
Daniel Rotman
Doug Schell
Grant Hankins
Jamie Kaminski
Louise Schwarz
Love-Ese Chile
Lyndsay Poaps
Raman Johal
Sue Maxwell
Tara Immell
Ulwiana Mehta-Malhotra
William Selten
Yasmin Abraham

Invest Vancouver Advisory Committee
May 24th 2023

Metro Vancouver Solid Waste Services staff attended a regular IVAC meeting to present on vision and guiding principles for the solid waste management plan, including background information on the solid waste system. Paul Henderson gave the presentation. Chris Underwood, Terry Fulton, Stephanie Liu, and Samantha Joy attended.

The following is an excerpt from the Invest Vancouver Advisory Committee meeting minutes:

Solid Waste Management Plan Vision and Guiding Principles Discussion

- Metro Vancouver Solid Waste Services staff provided a presentation on the solid waste management plan update process, including details on the current phase of engagement: vision and guiding principles. This phase sets the foundation and direction for the plan development process, by identifying values, priorities, interests, and key solid waste management considerations now and into the future.

- The following questions were posed:

    1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
    2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
    3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
    4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

- The following is a brief summary of themes we heard from committee members:
    - **Waste to resource** - Develop opportunities to turn waste into energy or commodities. Encourage industrial symbiosis.
    - **Circular economy** - Track and define circular jobs, and facilitate entrepreneurship to develop a circular economy. Support growth of a circular economy through research, policy, and infrastructure.
    - **High density neighbourhoods** – Work on waste collection solutions.
    - **Consumption** – Recalibrate consumption patterns, recognizing that sustainable consumption is an important part of climate action.
    - **Land use** – Ensure circular economy and waste management goals align with land use policies, and expand land use to optimize market opportunities near recycling and waste centres.
    - **Natural areas** – Value and protect the natural beauty of our region.

- IVAC members are encouraged to send any additional feedback to zerowaste@metrovancouver.org

SOLID WASTE MANAGEMENT UPDATE VISION AND GUIDING PRINCIPLES

Solid Waste and Recycling Industry Advisory Committee Workshop

June 6, 2023

On June 6, 2023, Metro Vancouver held a workshop with members of the Solid Waste and Recycling Industry Advisory Committee (IAC) to discuss vision and guiding principles for the updated regional solid waste management plan. There were 22 of 30 IAC members present.



The vision and guiding principles phase of engagement sets the foundation and direction for the plan development process, by gathering feedback on values, priorities, interests, and key solid waste management considerations now and into the future.

At the June 6, 2023 IAC workshop, four key questions were presented to members:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

A summary of themes that emerged at the workshop is presented in the *What We Heard* section below. Note that the feedback presented here is meant to highlight key themes from the discussion. Detailed discussion notes are being retained as part of the full engagement record, and individual comments will be included in feedback logs as part of an engagement report at the end of this phase on vision and guiding principles.

Next steps include providing an update report to the Zero Waste Committee on what we have heard so far through engagement with First Nations, member jurisdiction staff, and advisory committees, followed by the launch of public engagement on vision and guiding principles. Following public engagement, Metro Vancouver will produce an engagement summary report for this phase of engagement and provide a draft vision statement and guiding principles to the Zero Waste Committee and Board for consideration.

Members are encouraged to submit any additional feedback before June 30, 2023, to solidwasteoperations@metrovancouver.org.

WHAT WE HEARD

The table below summarizes themes that emerged through the small group discussions, which will be taken into consideration as Metro Vancouver continues to engage on the vision and guiding principles for the updated plan.

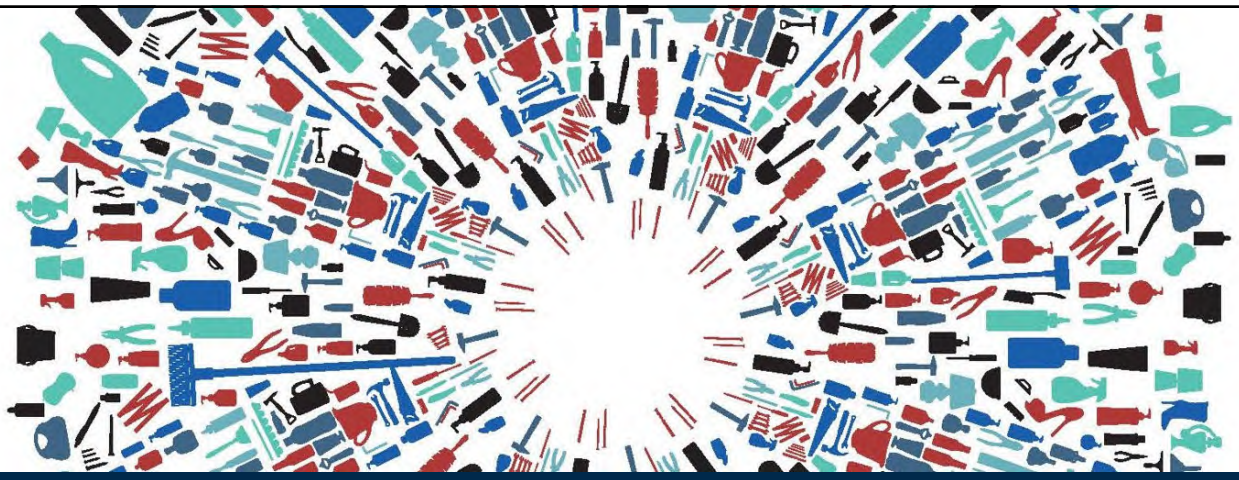
Priority	What We Heard
Accessibility and inclusivity	• Improve recycling and disposal access in small and remote communities • Ensure dialogue with people who live close to facilities; engage with under-represented groups about the impact of facilities on communities • Consider cost of living and accessibility when planning services and facilities
Accountability	• Improve waste and recycling metrics (including for construction and demolition waste) • Ensure reporting of accurate recycling rates with clear definitions • Recognize the shared responsibility of individuals and industry • Provide incentives to build and operate recycling facilities • Financial accountability and transparency (related to contracts and procurement) • Eliminate "greenwashing"
Affordability	• Incentivize recycling and circular solutions to producers • Create solutions for high real estate costs – limited access, high costs, zoning
Circular economy	• Design products to be recyclable • Reuse construction materials • Define waste materials as a commodity (resource) instead of garbage
Climate action	• Promote lower GHG emission and carbon capture technology • Encourage low-carbon and low-emission vehicles • Focus on solutions to reduce GHGs in concrete and cement producers • Avoid activities that pose environmental liability in the future
Collaboration	• Collaborate with all levels of government, private businesses, and industry • Engage with and foster a sense of community • Ensure an open market for service providers
Convenience, consistency, simplicity	• Make recycling easier for the public, especially with separation and storage • Invest in facilities that take all waste streams (ex. North Shore facility) • Increase capacity and ease for easy plastics recycling
Education and behavior change	• Focus on and implement provincial waste hierarchy • Public education around understanding compostables, keeping recycling clean, and reducing contaminations • Public education around reuse of items and extending the life of products • Establish and promote clear values around waste disposal and recycling • Incentivize behavior change (reward people rather than penalize) • "Where Does it Go?" for recycling and disposal education, awareness • Encourage consumers to purchase less and purchase recycled/repurposed items

Environmental stewardship	• Restrict the use of natural resources, or premium pricing for natural resources • Ban the use of resources from areas immediately surrounding the city (ex. aggregate) • Consider capital costs and the overall environmental path
Equity	• Promote and enhance opportunities for a competitive market • Rebates and grants from the provincial government
Innovation	• Advance the waste prevention, reuse, and repair economies, as well as technological innovations and habit innovations • Provide options for reuse, repair, and recycling that are easier than disposal • Technology and AI to assist with contamination or multi-family homes Landfill mining and gas capture • Landfill mining and gas capture • Invest in circular solutions and ways to eliminate single-use items
Regulation and Policy	• Ensure policy allows market-driven outcomes; avoid conflict between the roles of regulator and market competitor • Extended producer responsibility (EPR) • Implement and maintain disposal bans for reduction of waste • Maintain organics disposal ban • Standardize and define the terminology used in measurement and metrics
Waste Reduction	• Eliminate waste at the source – focus on local processing and local re-use • Reduce daily deliveries from online retailers

WORKSHOP ATTENDEES:

Director Craig Hodge, Co-Chair
Mary Polak, Co-Chair
Achilles Mallari – Sierra Waste Services Ltd.
Aiden Kiani – Lock-Block Ltd.
Christian Dietrich – Ecowaste Industries David
Millman – Waste Management of Canada
Edwin Berkhof – Evergen Infrastructure Corp.
Gord Johnson - Empower
Grant Hankins – Canada Minibins
Izzie Abrams – Waste Connections of Canada
Jaimie Kaminski – HSR Zero Waste
Jeremy Crawford – Waste Control Services Ken
Carusca – Cement Association of Canada
Matthew McAra - GFL
Maya Moucachen – Merlin Plastics
Michael Zarbl – Major Appliances Recycling Roundtable
Mike Lanin – Super Save Group
Nicole Stefenelli – Urban Impact Recycling Inc.
Nicole Victor - Covanta
Pinky Vargas (Cynthia Shore) – Republic Services
Ralph McRae – Revolution
Sandy Sigmund – Encorp Pacific Canada
Shad Prasad – Cascade Recovery +
Terryl Plotnikoff – Canadian Mattress Recycling Inc.

ATTACHMENT 6



Solid Waste Management Plan

VISION AND GUIDING PRINCIPLES INITIAL FEEDBACK

Samantha Joy
Engagement Specialist, Solid Waste Services

Zero Waste Committee, July 13, 2023

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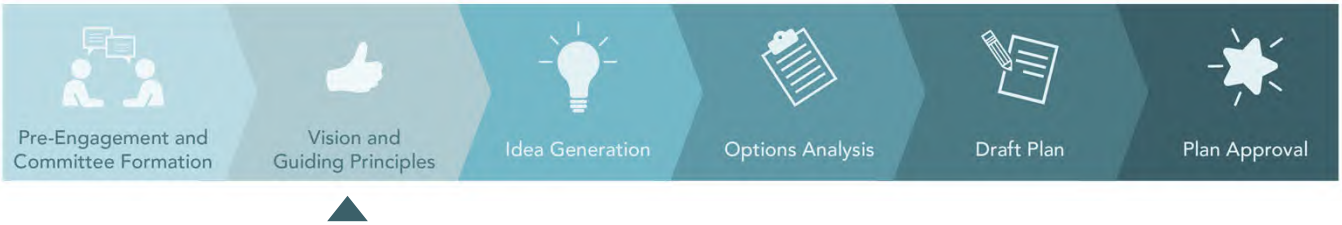
SOLID WASTE MANAGEMENT PLAN UPDATE



VISION AND GUIDING PRINCIPLES ENGAGEMENT

Timeline



ENGAGEMENT FEEDBACK

First Nations | Member Jurisdictions | Public/Technical Advisory Committee | Industry Advisory Committee | Businesses and Institutions | Non-Profits | Residents

Engagement will help guide updates to the solid waste management plan

GATHERING FEEDBACK

Guiding Principles: Values		*Vision: Destination*	
Consider values of everyone in the region	Values, interests, and priorities related to the handling of products, packaging, and materials that are no longer needed	Important waste reduction, recycling, and garbage disposal topics, now and into the future	What could be better in the future

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FIRST NATIONS MEETINGS

- Meetings with seven of ten local First Nations:
  - q́ʷɑ:ńƛ̓əń (Kwantlen First Nation)
  - kʷikʷəƛ̓əm (Kwikwetlem First Nation)
  - xʷməθkʷəýəm (Musqueam Indian Band)
  - Sḵwx̱wú7mesh Úxwumixw (Squamish Nation)
  - scəẃaθən məsteyəxʷ (Tsawwassen First Nation)
  - sə́lílwətaʔɬ (Tsleil-Waututh Nation)
  - máthxwi (Matsqui First Nation)

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FIRST NATIONS INPUT

- Improve information sharing and engagement process with local First Nations
- Consider the relevance of the plan update to First Nations
- Improve accessibility of solid waste services and consider affordability
- Increase awareness and education for waste management
- Prioritize environmental stewardship
- Collaborate on waste reduction programs and resources, and explore economic opportunities

MEMBER JURISDICTIONS, ADJACENT REGIONAL DISTRICTS, AND ADVISORY COMMITTEES

Letters sent to:

- Member jurisdictions
- Adjacent regional districts (Fraser Valley, Sunshine Coast, Squamish-Lillooet)

MEMBER JURISDICTIONS, ADJACENT REGIONAL DISTRICTS, AND ADVISORY COMMITTEES

Meetings with:

- Member Jurisdiction Staff Advisory Committees
  - REAC-SW / REAC / MWRCC
  - Invest Vancouver
- Zero Waste Committee/ Climate Action Committee
- Public/Technical Advisory Committee
- Industry Advisory Committee
- WMABC (invited presentation)



Public/Technical Advisory Committee Workshop on Vision and Guiding Principles

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COMMITTEE FEEDBACK

Accessibility, equity and societal improvements — **IAC, Member staff, PTAC**

All groups have equal access to information, education and services.

Accountability/Transparency — **IAC, Member staff, PTAC**

Ownership of responsibility from producers and consumers to reduce waste. Report regularly on progress and improve metrics.

Affordability — **IAC, Member staff, PTAC, WMABC**

Consider cost of accessing recycling and waste services; cost of durable goods that last.

Circular economy — **IAC, IVAC, Member staff, PTAC**

Repair, reuse and thrifting. Facilitate circular product design, support circular industries, and build public understanding about circular economy.

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COMMITTEE FEEDBACK

Climate action — IAC, Member staff, PTAC, ZWC/CAC

Invest in systems that have the lowest climate impact. Align with corporate GHG emission goals

Convenience and consistency — IAC, Member staff, PTAC, ZWC/CAC

Convenient, accessible, and harmonized services across communities

Education and behavior change — IAC, Member staff, PTAC, ZWC/CAC, WMABC

Clear and consistent messages to encourage a cultural shift for sustainable consumption and to foster confidence in recycling systems.

Environmental stewardship — Member staff, PTAC

Embed Indigenous knowledge and values such as environmental stewardship; reduce pollution and consider health impacts.

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COMMITTEE FEEDBACK

Incentives — IAC, Member staff, PTAC

Incentivize diversion over disposal (e.g. taxation, recycling deposits)

Innovation — IAC, Member staff, PTAC

Utilizing new technologies to reduce plastics and reduce GHG emission

Policy and regulation — IAC, PTAC, WMABC

Regulatory framework that allows for innovation within the industry.
Strategies and solutions to ensure adequate processing capacity.

Product design and innovation — IAC, Member staff, PTAC, ZWC/CAC

Produce items to make them more circular and regenerative.

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COLLABORATIVE ENGAGEMENT

- Offering funding for organizations to engage on Metro Vancouver's behalf
- Non-profits or organizations with interest in solid waste management
- Providing up to $5,000 to cover the cost of community outreach and engagement activities

NEXT STEPS

- Launch public engagement
  - PNE
  - Online survey, webinars, workshops
  - Panel meetings with interested parties
  - Collaborative engagement
- Vision and guiding principles engagement summary report
- Reflections from Engagement Panel
- Draft vision statement and guiding principles to the Zero Waste Committee and Board for consideration



Questions?

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

To: Zero Waste Committee

From: Stephanie Liu, Program Manager, Solid Waste Services

Date: June 6, 2024 Meeting Date: June 13, 2024

Subject: **Solid Waste Management Plan Vision and Guiding Principles**

RECOMMENDATION

That the GVS&DD Board approve the vision and guiding principles for an updated regional solid waste management plan as presented in the report dated June 6, 2024, titled "Solid Waste Management Plan Vision and Guiding Principles".

EXECUTIVE SUMMARY

Metro Vancouver is developing an updated solid waste management plan, building on the strengths of the current plan, and identifying opportunities for accelerating waste reduction and recycling, reducing greenhouse gas emission, and promoting a circular economy. In 2023, Metro Vancouver conducted engagement on key values and priorities to include in the draft vision and guiding principles for an updated solid waste management plan. Engagement was implemented with advice from a panel of engagement experts to support Metro Vancouver's commitment to robust and inclusive engagement processes. The vision and guiding principles, included as attachment 1, will inform criteria used to evaluate potential strategies and actions in subsequent phases of the plan update process, and encompass key themes such as collaboration, accountability, transparency, accessibility, innovation, affordability, waste prevention, and climate action.

Building on the feedback received during the vision and guiding principles phase, staff also developed key discussion questions to explore in the next phase of engagement: idea generation.

PURPOSE

The purpose of this report is to seek approval from the GVS&DD Board on the draft vision and guiding principles for an updated solid waste management plan, to provide an overview of engagement feedback received during the vision and guiding principles phase, and to provide information on planning that is underway for the next phase of engagement: idea generation.

BACKGROUND

In November of 2019 the GVS&DD Board (Board) authorized initiating an update of the regional solid waste management plan. Subsequently, a Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) was formed to provide third-party expert advice on the development of a comprehensive and inclusive engagement process. Pre-engagement was completed in 2021 to receive feedback on how audiences wanted to be involved moving forward, and the Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee were formed in 2022.

Engagement on vision and guiding principles began in early 2023, and on July 13, 2023 the Zero Waste Committee received for information a report outlining initial feedback from First Nations, member jurisdictions, adjacent regional district staff, and advisory committees. The themes emerging from that early engagement became a basis for public engagement in fall 2023.

The following timeline shows the overall engagement phases of the solid waste management plan update:



A detailed timeline showing the solid waste management plan update process and reporting to date is included as attachment 2.

VISION AND GUIDING PRINCIPLES

The vision and guiding principles set the plan foundation and direction, and reflect fundamental values to guide plan development and implementation. The vision and guiding principles will form a key component of an updated solid waste management plan, and will inform criteria used to evaluate potential actions and strategies for the plan.

During this phase of engagement, the vision was defined as a statement to describe the desired future state, and the guiding principles were described as values to guide decision-making. Staff sought feedback on what is important to audiences in terms of design, purchase, use, reuse, repurpose, recycle, and disposal in Metro Vancouver, and what could be better in the future. Audiences provided input on their values, interests, and priorities as they relate to solid waste, and identified priority waste reduction, recycling, and garbage disposal topics to be considered. This feedback contributed to the development of the vision and guiding principles presented below, and will help inform subsequent phases of engagement including idea generation and options analysis.

Vision: A thriving region where nothing is wasted and resources are valued.

Guiding Principles:

1. *Accountability from residents, businesses and governments to prevent waste.*
2. *Transparency about what happens to garbage and recycling.*
3. *A solid waste system that is resilient to climate change and future challenges.*
4. *Inclusive solid waste services and programs.*
5. *Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.*
6. *Environmental stewardship and climate action.*
7. *A solid waste and recycling system that is affordable, convenient, and consistent across the region.*

Engagement Process

First Nations, Regional Districts, and Member Jurisdictions

Metro Vancouver began engagement on the vision and guiding principles by sending letters to First Nations, member jurisdiction mayors and councils, and adjacent regional district boards (Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District) to describe this phase and invite participation.

In spring 2023, Metro Vancouver engaged First Nations, member jurisdictions, adjacent regional district staff, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee to seek feedback on the vision and guiding principles. Member jurisdiction staff from the Regional Engineers Advisory Committee Solid Waste Sub-Committee and the Municipal Waste Reduction Coordinators' Committee participated in a workshop, and the Regional Engineers Advisory Committee was also invited. Adjacent regional district staff from the Fraser Valley Regional District, Sunshine Coast Regional District, Squamish-Lillooet Regional District, and Regional District of Okanagan-Similkameen participated in a joint meeting to discuss solid waste values and priorities.

Metro Vancouver also received feedback from Zero Waste Committee and Climate Action Committee members during this early engagement period. Feedback from a series of meetings and workshops was presented to the Zero Waste Committee in July 2023, and the key themes from this early engagement with committees helped to inform the approach for subsequent engagement with the public in the fall.

Public

In fall 2023, staff engaged the public through various channels including an online questionnaire, workshops, and community events. Engagement was promoted through an e-blast, newspaper advertisements, postcards distributed at regional solid waste facilities, and social media posts. Metro Vancouver received 484 responses to the online questionnaire and engaged 831 residents at community events.

Collaborative Engagement

During the vision and guiding principles phase of engagement, Metro Vancouver introduced the Collaborative Engagement initiative, offering funding and support to not-for-profit organizations to conduct engagement with their members or networks. The goal of this initiative was to hear from audiences and organizations who otherwise may not be aware of or have access to opportunities to provide input to Metro Vancouver. This includes organizations that represent underrepresented or equity-denied communities, youth, seniors, urban Indigenous people, and environmental groups.

Metro Vancouver worked with 14 not-for-profit organizations to deliver engagement activities including workshops (virtual and in-person), in-person and online surveys, focus groups, interviews, email newsletters, pop-up public booths, lunch and learns, and social media promotion. Through collaborative engagement, 869 residents were engaged, including 736 through survey responses and 133 through other engagement activities. Metro Vancouver plans to build on the success of the collaborative engagement program in subsequent phases of the solid waste management plan update.

First Nations Engagement
The solid waste management plan update presents an opportunity for Metro Vancouver to advance collaboration and reconciliation, as well as strengthen relationships with First Nations. Metro Vancouver recognizes that creating a solid waste management plan that reflects Indigenous knowledge, interests, values, and priorities will make a stronger plan for everyone.

Metro Vancouver sent letters to local First Nations and First Nations located outside Metro Vancouver with interests in the region and Métis Nation of BC. From March to May 2023 Metro Vancouver met with representatives from seven local First Nations and received feedback to help identify and understand their priorities related to waste management in their communities, and to explore opportunities to work together to advance waste reduction.

Local First Nations were provided a draft of the vision and guiding principles in spring 2024, with an invitation to comment prior to the draft being provided to the Zero Waste Committee and Board for consideration. The feedback deadline was May 6, 2024 and no additional feedback was provided.

Engagement Feedback
Feedback shared during the vision and guiding principles phase of engagement across all methods and audiences was recorded, analyzed, and summarized. Several priorities emerged through the analysis, including:

- Climate considerations and environmental stewardship
- Community engagement
- Convenience, consistency, and accessibility
- Economic considerations
- Empowerment, education, and awareness
- Individual, corporate, and government accountability
- Innovation, technology, and infrastructure
- Transparency and collaboration
- Waste reduction and prevention

More details on the nature of feedback provided under the categories above are presented in the engagement summary report (Reference 1). In addition, a comprehensive feedback log is included as reference 2.

Development of Draft Vision and Guiding Principles and Additional Feedback
Engagement feedback in 2023 helped inform an initial draft of the vision statement and guiding principles. This draft was circulated for review to local First Nations, member jurisdiction staff (via the Regional Engineers Advisory Committee Solid Waste Sub-Committee and the Regional Waste Reduction Coordinators' Committee), the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee. This additional feedback informed revisions to the draft vision and guiding principles:

- No additional feedback was provided by First Nations. One First Nation indicated they had reviewed the draft but had no comments at this time.
- Additional feedback from the Public/Technical Advisory Committee and Industry Advisory Committee informed adjustments to the draft vision and guiding principles.

- Member jurisdiction staff provided positive feedback on the draft vision and guiding principles, while emphasizing collaboration as a key means to move towards regional consistency in the delivery of solid waste programs and services.

Attachment 3 demonstrates how engagement feedback in 2023 directly shaped the initial draft vision and guiding principles, and how the draft was revised following additional feedback from advisory committees. In addition to revisions addressing specific feedback, the draft guiding principles were revised to simplify the language and ensure the principles describe values rather than actions.

Additional Inputs
In addition to engagement feedback, Metro Vancouver reviewed themes from the Board Strategic Plan, the principles within other Metro Vancouver long-range regional management plans, and principles outlined in the provincial *A Guide to Solid Waste Management Planning.* The priorities in the Board Strategic Plan guide all work within the Solid Waste Services department and other Metro Vancouver departments. The provincial *Guide to Solid Waste Management Planning* contains eight guiding principles to inform the development of regional solid waste management plans. Locally developed principles should be consistent with the provincial principles.

Solid Waste Management Plan Independent Consultation and Engagement Panel
Metro Vancouver receives guidance on the development and implementation of the solid waste management plan update engagement program from the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) – an independent, third-party panel including: Andrea Reimer (Chair), Cheryl Brooks, Peter Fassbender, and Veronika Bylicki. Sarah Kirby-Yung, Metro Vancouver Board Director and Chair of the Zero Waste Committee, serves as the Zero Waste Committee liaison on the Engagement Panel. In addition to providing advice and guidance throughout the engagement planning and implementation processes, the public was invited to meet with and provide presentations to the Engagement Panel in December 2023, offering an opportunity to provide feedback on the engagement process itself. Seven individuals presented to the Engagement Panel. Presentation topics included:

- Diverting construction and development waste at the source, including house moving as an alternative to demolition
- Food waste reduction opportunities and associated greenhouse gas emission reduction
- Improving accessibility of engagement opportunities and materials, and promoting collaboration and opportunities for smaller organizations to be involved
- The importance of consistent definitions, including zero waste and the waste hierarchy
- Prioritizing waste prevention over waste-to-energy
- Importance of meaningful engagement that has real impact

Below is a message provided directly by the Engagement Panel:

> *The Panel appreciates the opportunity to provide our reflections and observations on the most recent phase of work completed by staff on the solid waste management plan. In our opinion, the Vision and Guiding Principles that are being proposed are the result of effective and robust engagement that meets key tests established in the pre-engagement. These include:*

- *transparency of both the process and the information that staff are using to inform the process,*
- *provision of multiple engagement avenues to allow participants to "right-size" their participation, and*
- *persistent innovation in reaching those that have not traditionally had effective pathways for participation, including First Nations and equity-denied groups.*

On the last point, there were some great successes this round including significantly increased engagement with local First Nations, the Collaborative Engagement work, and the supports to equity-deserving groups which resulted in greater diversity on the Public/Technical Advisory Committee.

Overall, the Panel feels that the focus in the areas outlined in the bullet points has created a Vision and Guiding Principles that meet a greater range of needs and interests and that will have positive impacts in the solid waste management plan.

However, there continue to be challenges. Building relationships with local First Nations and Indigenous-serving organizations to create the conditions for meaningful engagement takes time and we would encourage staff to continue their work in this area. We would also note that several major waste generating sectors (i.e. tourism, hospitality) are still not engaged at the level that will be needed for members of these sectors to see their experiences and needs reflected in the final solid waste management plan. Continued efforts to find ways to engage them will be needed.

Idea Generation Engagement

The idea generation phase of the solid waste management plan update will focus on hearing from interested parties about potential actions that can be included in the plan. This process will be guided by issue/opportunity discussion questions. Seven discussion questions have been developed based on a review of the existing solid waste management plan, engagement feedback from the vision and guiding principles phase, and current solid waste management statistics. These questions will be discussed in the upcoming phase of engagement, resulting in a set of potential actions to be evaluated in the following phase: options analysis. The discussion questions, incorporating revisions based on advisory committee feedback, are included as attachment 4.

The idea generation engagement plan has been developed with an emphasis on lessons learned from the previous phase, such as meeting people where they are and leveraging existing group and committee meetings. A main focus will be connecting with underrepresented audiences and sectors.

ALTERNATIVES

1. That the GVS&DD Board approve the vision and guiding principles for the updated regional solid waste management plan as presented in the report dated June 6, 2024, titled "Solid Waste Management Plan Vision and Guiding Principles".

2. That the GVS&DD Board receive for information the report dated June 6, 2024, titled "Solid Waste Management Plan Vision and Guiding Principles" and provide alternate direction to staff.

FINANCIAL IMPLICATIONS

Activities related to planning and implementing engagement on the solid waste management plan update are covered under the approved Solid Waste Services budget.

CONCLUSION

The draft vision and guiding principles for an updated solid waste management plan are before the GVS&DD Board for consideration. The draft was developed in consideration of engagement feedback received in 2023, as well as additional feedback on an initial draft from advisory committees in early 2024. The vision and guiding principles will inform criteria used to evaluate potential strategies and actions in subsequent phases of the plan update process.

Staff recommend alternative 1: that the GVS&DD Board approve the vision and guiding principles for an updated solid waste management plan.

Staff have started to plan for the next phase of engagement: idea generation.

ATTACHMENTS

1. Draft Vision Statement and Guiding Principles
2. Detailed Timeline – Solid Waste Management Plan Update Process and Reporting to Date
3. Development and Revision of Draft Vision and Guiding Principles As a Result of Feedback
4. Idea Generation: Issue/Opportunity Discussion Questions
5. Presentation re: Solid Waste Management Plan Vision and Guiding Principles

REFERENCES

1. Engagement Summary Report – Solid Waste Management Plan Update Vision and Guiding Principles Phase
2. Vision and Guiding Principles Feedback Log
3. Solid Waste Management Plan Update Web Page

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Draft Vision and Guiding Principles

Vision:

A thriving region where nothing is wasted and resources are valued.

Guiding Principles:

1. Accountability from residents, businesses, and governments to prevent waste.
2. Transparency about what happens to garbage and recycling.
3. A solid waste system that is resilient to climate change and future challenges.
4. Inclusive solid waste services and programs.
5. Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
6. Environmental stewardship and climate action.
7. A solid waste and recycling system that is affordable, convenient, and consistent across the region.

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Detailed Timeline: Solid Waste Management Plan Update Process and Reporting to Date

2020

Engagement Panel formation

Third-party expert advice on engagement; works with staff and reports to Board

June

Board received Engagement Panel terms of reference

November

Board received information on Engagement Panel membership

2021

Pre-engagement; engagement program development

Invite feedback on how audiences want to be engaged.

July

Board received pre-engagement report and draft IAC terms of reference

November

Board approved engagement program.

2022

Advisory committee formation

Public/Technical Advisory Committee (PTAC) and Industry Advisory Committee (IAC)

January

Zero Waste Committee received updates on IAC application process

February

Zero Waste Committee received update on IAC and PTAC development

April

Board

approved PTAC membership

May

Zero Waste Committee received information on first IAC meeting and proposed updates to terms of reference

2023

Vision and guiding principles engagement

Invite feedback on values and priorities.

February

Zero Waste Committee received information on planned engagement

April

Zero Waste Committee provided input on vision and guiding principles

May

Board received report on initial feedback.

October

Zero Waste Committee received update on public engagement on vision and guiding principles

2024

Vision and guiding principles wrap-up and idea generation engagement

Report on vision and guiding principles and plan for idea generation.

January

Zero Waste Committee received update on next steps for reviewing draft vision and guiding principles with First Nations, member jurisdiction staff, and advisory committees

June

Draft vision and guiding principles to Zero Waste Committee and Board

Solid Waste Management Plan Update
Development and Revision of Draft Vision and Guiding Principles As a Result of Feedback

Vision Statement	Examples of Feedback Considered
Initial Draft: Together we build a thriving, sustainable region where nothing is wasted.	2023 Feedback: • Collaboration and coordination between different sectors to improve waste management practices • Technological innovation, sustainable design for longevity, ease of repair, and closed loop circular systems • Global leadership • Growth of circular economy, jobs, economic resiliency • Livability and prosperity (Board Strategic Plan) • Ecosystem protection; protection of biodiversity; sustainable use of natural resources; environmental stewardship • Prevent excessive waste such as over-packaging • Cultural shift to reduce consumption; increase reuse; reduce single-use items
Revised Draft: A thriving region where nothing is wasted and resources are valued.	Feedback from advisory committees on initial draft: • Comment to revise the vision to be more positive; for example, focus on valuing and conserving resources • Frame the vision as a description of the future state rather than using a verb ('build') • Be aspirational • Avoid the term 'sustainable' as it is an overused term, and not specific
Draft Guiding Principles	**Feedback considered**
1. **Initial Draft**: Advocate for increased accountability from residents, businesses and governments to reduce waste. **Revised Draft**: Accountability from residents, businesses and governments to prevent waste.	2023 Feedback: • Corporate accountability and responsibility for waste generation, recycling products • Individual accountability for properly recycling or disposing of waste; consumer behavior change to reduce buying and promote a waste-free lifestyle Feedback from advisory committees on initial draft: • Emphasize waste 'prevention'
2. **Initial Draft:** Build confidence about what happens to our waste and recycling, and how we measure waste reduction and recycling. **Revised Draft**: Transparency about what happens to garbage and recycling.	2023 Feedback: • Transparency in describing what happens to waste and recycling • Ensure public is well-informed about efficacy of recycling efforts, including reliable data Feedback from advisory committees on initial draft: • Transparency should be emphasized more clearly in this principle

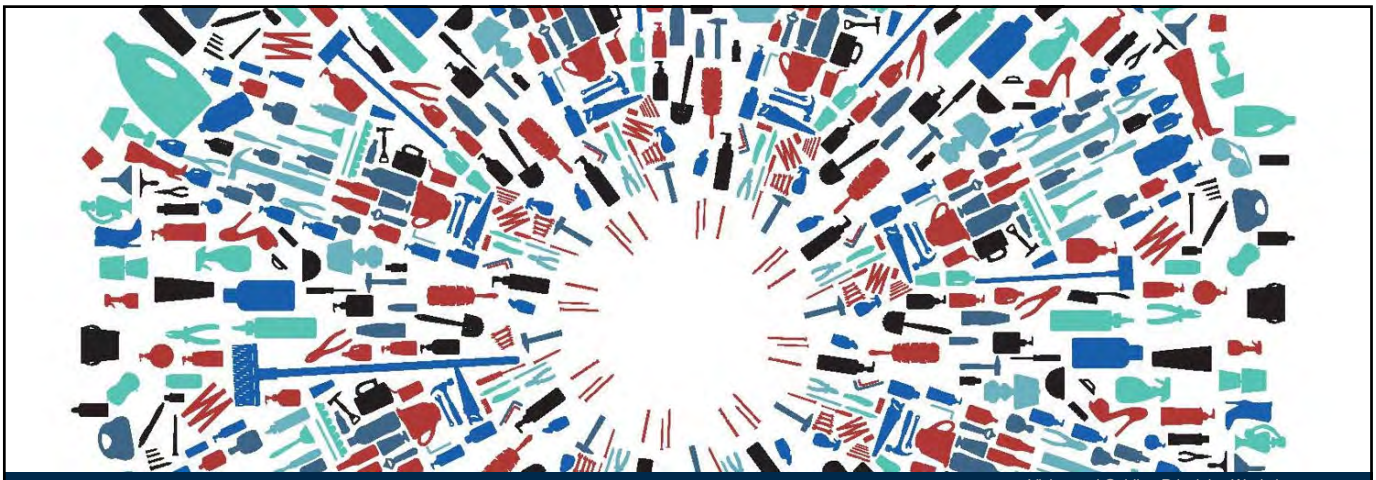
3. **Initial Draft**: A solid waste system that is resilient to climate change and future challenges. *No revisions.*	2023 Feedback: • Plan for long-term sustainability and adapt to changing climate and societal needs • Adapt to evolving conditions
4. **Initial Draft**: Enable all users, regardless of their income, education, or life experience to participate fully. **Revised Draft**: Inclusive solid waste services and programs.	2023 Feedback: • Ensure all groups have access to waste management services and information, address economic and social barriers • Consider affordability and accessibility Feedback from advisory committees on initial draft: • Clarify what is meant by 'participate fully'
5. **Initial Draft**: Innovation and collaborative solutions to support a vibrant regional economy. **Revised Draft**: Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.	2023 Feedback: • Embrace technology for waste management and a circular economy • Product innovation for longevity, ease of repair • Cooperation between groups to improve waste management practices • Promote a circular economy Feedback from advisory committees on initial draft: • Incorporate more circular economy principles
6. **Initial Draft**: Prioritize environmental stewardship by valuing and conserving materials and products. **Revised Draft**: Environmental stewardship and climate action.	2023 Feedback: • Promote material reuse, minimize waste generation • Align waste management with broader goals of protecting biodiversity and ecosystems • Sustainable resource use *Revision was made to bring the concept of conserving materials and products through a circular economy, into Principle #5. Greenhouse gas reduction was added, as it was originally included in Principle #8 (now removed).*
7. **Initial Draft**: Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region. **Revised Draft**: A solid waste and recycling system that is affordable, convenient, and consistent across the region.	2023 Feedback: • Make recycling and disposal more accessible and convenient for residents • Consistent rules and services across the region • Ensure all groups have access to services and information Feedback from advisory committees on initial draft: • Ensure affordability is highlighted

8. **Initial Draft**: Take action to reduce the carbon footprint of materials used in our region. ***Revision**: This guiding principle was removed. Climate action was added to Principle #6. The concepts of stewardship and keeping materials in circulation are included in Principle #6 and the revised draft vision statement.*	2023 Feedback: • Sustainable resource use • Promote material reuse and minimize waste generation • Acknowledge the climate crisis and focus on systems with low climate impact • Consider the entire life cycle of waste Feedback from advisory committees on initial draft: • The initial draft may be outside of the scope of the solid waste management plan, which includes management of solid waste and recyclable materials; waste reduction and associated greenhouse gas emission reduction

Idea Generation: Issue/Opportunity Discussion Questions

Since the Integrated Solid Waste and Resource Management Plan was approved in 2011, Metro Vancouver's waste generation rate has decreased 11%, while our recycling rate has increased from 57 to 65% – nearly twice the Canadian average recycling rate. As we update the plan, **what actions can build on our success to**:

1. Rethink and prevent waste in the first place?
2. Enhance accountability for eliminating waste?
3. Leverage knowledge and expertise through collaboration?
4. Increase participation and reduce contamination in organics and recycling programs?
5. Build confidence in recycling systems?
6. Develop more inclusive programs and services?
7. Improve infrastructure and systems for waste management across the region?



Vision and Guiding Principles Workshop

Solid Waste Management Plan Update

VISION AND GUIDING PRINCIPLES REPORT BACK

Stephanie Liu
Program Manager, Solid Waste Community Engagement

Zero Waste Committee, June 13, 2024

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PROJECT TIMELINE



DETAILED TIMELINE

2020	2021	2022	2023	2024
Engagement Panel forms	Pre-engagement report Industry Advisory Committee Terms of Reference Board approves engagement program	Industry Advisory Committee and Public/ Technical Advisory Committee formation	Initial feedback report on vision and guiding principles	Report on vision and guiding principles and planning for idea generation

CONSULTATION AND ENGAGEMENT PANEL

- Third-party expert advice on the development of a comprehensive and inclusive engagement process
- Works with staff during all phases of engagement and provides reflections on the process
- Opportunities to speak with the Engagement Panel

Panel Members:

Andrea Reimer (Chair), Tawâw Strategies

Cheryl Brooks, Indigenuity Consulting

Peter Fassbender, Fassbender Consulting Inc., former MLA and Mayor

Veronika Bylicki, CityHive Co-founder

Sarah Kirby-Yung (Zero Waste Committee Liaison), Zero Waste Committee Chair

VISION AND GUIDING PRINCIPLES
Definitions

Vision: Destination		*Guiding Principles: Values*	
Important waste reduction, recycling, and garbage disposal topics, now and into the future	What could be better in the future	Consider values of everyone in the region	Values, interests, and priorities related to the handling of products, packaging, and materials that are no longer needed

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VISION AND GUIDING PRINCIPLES ENGAGEMENT
Timeline



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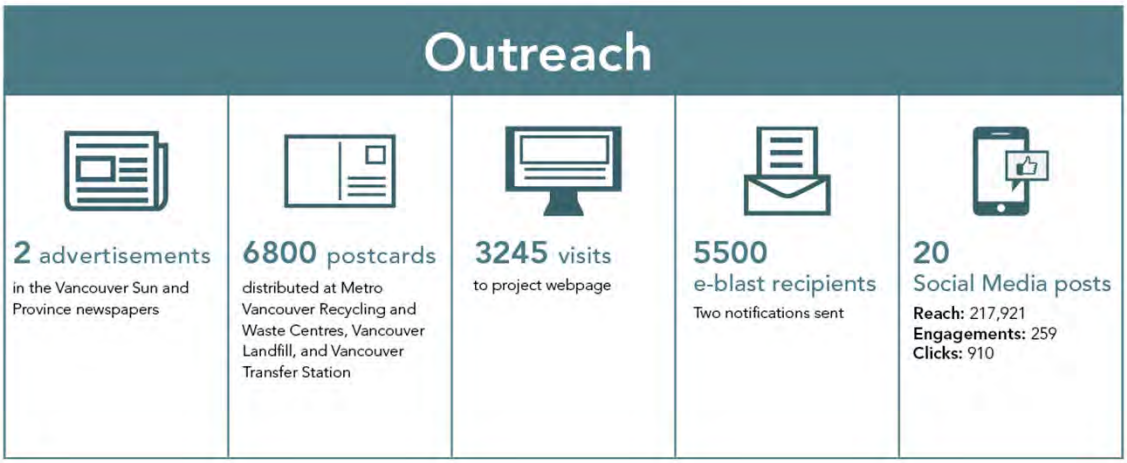
ENGAGEMENT OUTREACH



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ENGAGEMENT PARTICIPATION



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KEY FEEDBACK

Climate considerations and environmental stewardship	Community engagement	Convenience, consistency, and accessibility
Economic considerations	Empowerment, education, and awareness	Individual, corporate, and government accountability
Innovation, technology, and infrastructure	Transparency and collaboration	Waste reduction and prevention

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OVERARCHING PRIORITIES



- Social equity and human health
- Collaboration and strong partnerships
- Environmental health
- Financial sustainability and regional affordability
- Climate action
- Resilient services and infrastructure
- Reconciliation

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DRAFT VISION STATEMENT

Vision

"A thriving region where nothing is wasted and resources are valued."

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VISION STATEMENT DEVELOPMENT

Engagement Feedback

- Collaboration/coordination between sectors
- Technological innovation, sustainable design, circular economy, economic resiliency
- Prevent waste and reduce consumption
- Use positive statement, and focus on valuing and conserving resources

Draft Vision

A thriving region where nothing is wasted and resources are valued.

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GUIDING PRINCIPLES

- Accountability from residents, businesses, and governments to prevent waste.
- Transparency about what happens to garbage and recycling.
- A solid waste system that is resilient to climate change and future challenges.
- Inclusive solid waste services and programs.
- Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
- Environmental stewardship and climate action.
- A solid waste and recycling system that is affordable, convenient, and consistent across the region.

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GUIDING PRINCIPLES DEVELOPMENT

Example

Engagement Feedback

- Make recycling and waste disposal more accessible and convenient for residents
- Consistent rules and services across the region
- Ensure all groups have access to waste management services and information
- Ensure affordability is highlighted clearly

Draft guiding principle

A solid waste and recycling system that is affordable, convenient, and consistent across the region.

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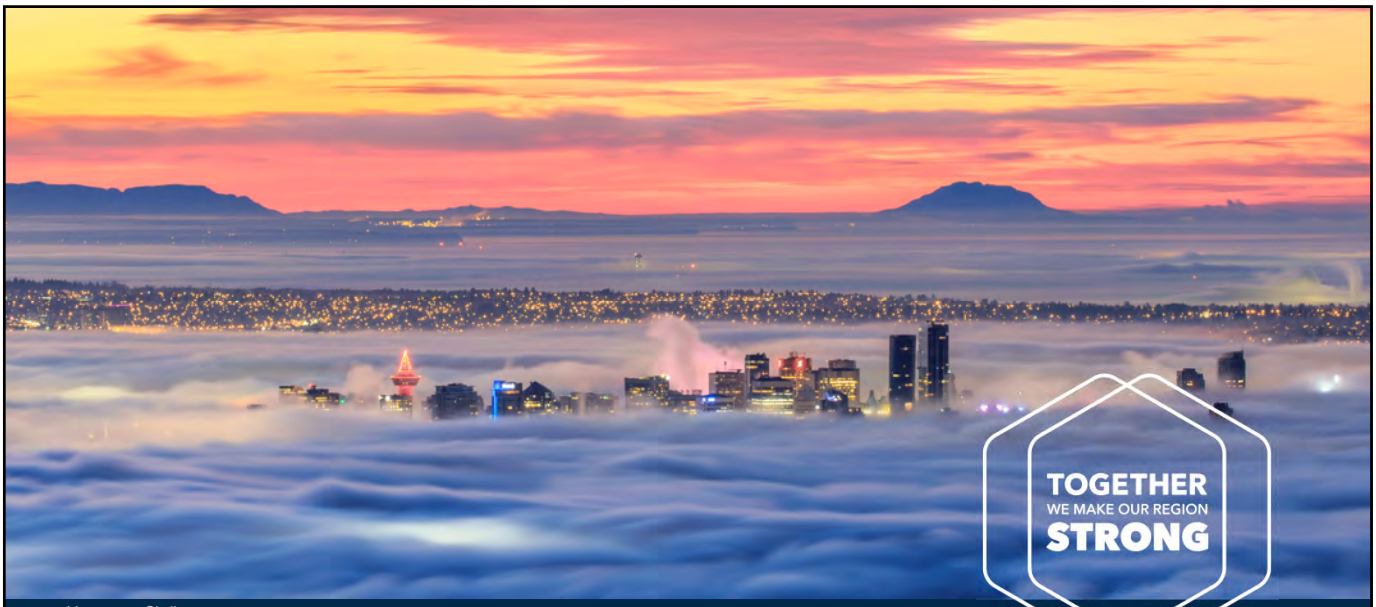
IDEA GENERATION OBJECTIVES

- Generate ideas and potential solutions to issue/opportunity discussion questions
- Updated goals will emerge from feedback during idea generation and from other research
  - Goals can also inform criteria to for options analysis phase
- Opportunity to demonstrate results of engagement from vision and guiding principles phase to the public

APPROACH

Issue/opportunity discussion questions	Provide a framework for prompting discussions on idea generation • Advisory committees provided input on draft questions
Key solid waste advisory committees	Work through each of the discussion questions
First Nations, collaborative engagement organizations, and public	May focus on one or more questions that are most relevant to them



Vancouver Skyline

Questions?

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Solid Waste Management Plan Update

Vision and Guiding Principles Phase

Engagement Summary Report



Acknowledgements

Thank you to everyone who provided input on the vision and guiding principles phase of public engagement for the solid waste management plan update. Metro Vancouver embraces collaboration and innovation to provide sustainable regional services, contributing to a livable and resilient region, and a healthy natural environment for current and future generations. The purpose of this phase of engagement was to listen and learn from the public and affected parties on key values and priorities related to how residents and businesses purchase, use, reuse, recycle and dispose of items in Metro Vancouver. We appreciate your time as well as the insights and comments you shared with us during the vision and guiding principles phase. We invite you to participate in the next phase of engagement: idea generation.

About Metro Vancouver

Metro Vancouver is a federation of 21 municipalities, one electoral area, and one treaty First Nation that collaboratively plans for and delivers regional-scale services. Its core services are drinking water, wastewater treatment, and solid waste management. Metro Vancouver also regulates air quality, plans for urban growth, manages a regional parks system, and provides affordable housing. The regional district is governed by a Board of Directors of elected officials from each local authority.

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www.metrovancouver.org

May 2024

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1. About the Solid Waste Management Plan Update

Metro Vancouver is responsible for waste reduction and recycling planning, and operating a series of solid waste facilities in the region.

Metro Vancouver is updating its solid waste management plan, building on the strengths of the current *Integrated Solid Waste and Resource Management Plan* (2011), and identifying opportunities for accelerated waste reduction and diversion while reducing greenhouse gases and promoting a circular economy. The plan update is a multi-year process, with the most recently completed phase being the vision and guiding principles phase.

Throughout the process, Metro Vancouver is actively engaging with governments, including First Nations, government agencies, waste and recycling industry, waste producers, businesses, communities, and Metro Vancouver residents to guide updates to the plan.



The vision and guiding principles will set the direction and create the foundation for the plan and will be built considering engagement input and feedback, provincial guidelines, a review of the current plan, Metro Vancouver guiding documents including the Board Strategic Plan, and a review of solid waste management plans in other jurisdictions.

2. Executive Summary

This report details the vision and guiding principles phase of engagement as part of Metro Vancouver's solid waste management plan update. This phase focused on listening to and learning from the public, First Nations, and interested parties on values and priorities to guide the solid waste management plan.

The vision and guiding principles will set the direction and create the foundation for the plan and will consider engagement input and feedback, provincial guidelines, a review of the current plan, Metro Vancouver's Board Strategic Plan, and a review of solid waste management plans in other jurisdictions. The engagement process on the vision and guiding principles began in spring 2023 by engaging with First Nations, member jurisdictions, adjacent regional districts, and advisory committees to gain insights and to help identify values and priorities.

Public engagement was subsequently held from September 18 to November 10, 2023, and included an online questionnaire, one in-person workshop, one virtual workshop, outreach at six community events, interviews, and community outreach at the PNE from August 19 to September 4, 2023. In addition, Metro Vancouver worked with 14 non-profit organizations with interest in solid waste management or environmental issues, as well as organizations representing equity-denied and under-represented communities. This collaborative engagement process provided an opportunity to leverage existing connections within these communities and engage with audiences that may not have been heard from previously.

The purpose of public engagement was to listen and learn to understand key values and priorities related to how residents and businesses purchase, use, reuse, recycle, and throw things away in Metro Vancouver. This input will help to inform the vision and guiding principles to set the direction of strategies, actions, targets, and priorities of the solid waste management plan.

The following are key themes emerged based on feedback shared through this phase of engagement, presented in alphabetical order:

- Climate Considerations and Environmental Stewardship
    - There is a need to focus on circular economy principles and promote material reuse, minimize waste generation, and integrate environmental stewardship principles.
- Community Engagement
    - Invite the community to be more involved in waste management decisions.
- Convenience, Consistency, and Accessibility
    - Ensure all community groups have access to solid waste services and information, with an equity and accessibility lens, addressing economic and social barriers.
- Corporate Accountability
    - Increase producer responsibility and communicate the need for transparency in waste management practices by corporations; hold industries and manufacturers accountable.
- Economic Considerations
    - Support local businesses and the economy.
    - Incentives and fees/penalties for both individuals and businesses to encourage desired behaviours.
- Empowerment, Education, and Awareness
    - Empower people to make informed waste-related choices; education initiatives to focus on small behaviour changes that have a significant impact.

- Individual Accountability and Behaviour Change
    - Promote a cultural shift for waste disposal and product purchase decisions, with calls for reduced buying, promotion of a waste-free lifestyle, and consumer behavior change.
- Innovation, Technology, and Infrastructure
    - Consider technological advancements and innovations, emphasizing the need for embracing technology for waste management and a circular economy.
- Transparency, Government Accountability, and Collaboration
    - Transparency from government entities, ensuring that the public is well informed about the efficacy of recycling efforts.
- Waste Reduction and Prevention
    - Call for measures preventing manufacturers from producing excessive waste, such as over-packaging; call consumers to make better choices.

Engagement feedback will help to inform the vision and guiding principles for the solid waste management plan update. For detailed thematic findings, see section titled *What We Heard and How We Are Responding*.

3. First Nations Engagement

Metro Vancouver acknowledges that the region's residents live, work, and learn on the shared territories of many Indigenous peoples, including 10 local First Nations: **q̓ićəy̓** (Katzie First Nation), **q̓ʷɑ:ƛ̓ən̓** (Kwantlen First Nation), **kʷikʷəƛ̓əm** (Kwikwetlem First Nation), **máthxwi** (Matsqui First Nation), **xʷməθkʷəy̓əm** (Musqueam Indian Band), **qiqéyt** (Qayqayt First Nation), **se'mya'me** (Semiahmoo First Nation), **Sḵwx̱wú7mesh Úxwumixw** (Squamish Nation), **scəw̓aθən məsteyəxʷ** (Tsawwassen First Nation) and **səlilwətaɬ** (Tsleil-Waututh Nation). Metro Vancouver respects the diverse and distinct histories, languages, and cultures of First Nations, Métis, and Inuit, which collectively enrich our lives and the region.

The solid waste management plan update presents an opportunity for Metro Vancouver to advance collaboration and strengthen relationships with First Nations. Metro Vancouver engaged with First Nations to identify and understand their priorities related to waste management in their communities and to explore opportunities to work together on this project.

In February and March 2023, letters were sent to ten local First Nations, 19 First Nations located outside Metro Vancouver with interests in the region, and Métis Nation of BC, inviting feedback on this phase of the plan update. From March to May 2023 Metro Vancouver met with representatives from seven local First Nations to discuss vision and guiding principles for the updated solid waste management plan:

- **q̓ʷɑ:ƛ̓ən̓** (Kwantlen First Nation)
- **kʷikʷəƛ̓əm** (Kwikwetlem First Nation)
- **máthxwi** (Matsqui First Nation)
- **xʷməθkʷəy̓əm** (Musqueam Indian Band)
- **Sḵwx̱wú7mesh Úxwumixw** (Squamish Nation)
- **scəw̓aθən məsteyəxʷ** (Tsawwassen First Nation)
- **səlilwətaɬ** (Tsleil-Waututh Nation)

4. About the Engagement Process

In spring 2023, Metro Vancouver engaged First Nations, member jurisdictions, adjacent regional districts, and advisory committees to seek feedback on vision and guiding principles through a series of meetings and workshops. Subsequently, public engagement occurred from September 18 to November 10, 2023. The goal of public engagement was to create an opportunity for dialogue and to listen to and learn from the public and interested parties to understand the key values and priorities related to how residents and businesses purchase, use, reuse, recycle, and throw things away in Metro Vancouver. This feedback will help to inform the vision and guiding principles.

The engagement program was developed and delivered with input from the Solid Waste Management Plan Independent Consultation and Engagement Panel—a third-party panel of engagement experts providing guidance on engagement development and delivery.

APPROACH TO ENGAGEMENT	DESCRIPTION
Letters to member jurisdiction mayors and councils, and adjacent regional district boards	Metro Vancouver launched vision and guiding principles engagement by writing to mayors and councils of member jurisdictions, as well as boards of adjacent regional districts (Fraser Valley Regional District, Sunshine Coast Regional District, Squamish-Lillooet Regional District) to describe this phase of engagement and invite participation.
Workshop with Member Jurisdiction Staff	Metro Vancouver staff shared project information and received feedback and insights on values and priorities to include in the vision and guiding principles. Participants included members of the Regional Engineers Advisory Committee Solid Waste Sub-Committee, Municipal Waste Reduction Coordinators Committee, and some members of the Regional Engineers Advisory Committee.
Zero Waste Committee meeting with Climate Action Committee members invited	Discussion and feedback on values and priorities to be included in the vision and guiding principles.
Workshop with the Solid Waste Management Plan Public/Technical Advisory Committee	Metro Vancouver staff shared project information and received feedback and insights on values and priorities to include in the vision and guiding principles.
Workshop with the Solid Waste and Recycling Industry Advisory Committee	Metro Vancouver staff shared project information and received feedback and insights on values and priorities to include in the vision and guiding principles.
Meeting with Regional District Staff	Metro Vancouver staff shared project information and received feedback and insights on values and priorities to include in the vision and guiding principles. Regional Districts adjacent to Metro Vancouver, as well as regional districts where Metro Vancouver has existing contracts involving facilities in those communities, were invited. Participants included the Fraser Valley Regional District, Sunshine Coast Regional District, Squamish-Lillooet Regional District, and Regional District of Okanagan-Similkameen. The Thompson-Nicola Regional District was also invited.

Community outreach at the PNE	Metro Vancouver staff attended the Pacific National Exhibition (PNE) to engage the public and share information on the project.
Online Questionnaire	An online questionnaire was provided to receive feedback and to understand key values and priorities.
Virtual Workshop • open to the public	Facilitated virtual workshop to engage the public and interested parties to better understand the values that are most important when considering the long-term management of solid waste in Metro Vancouver.
In-Person Workshop • open to the public	Facilitated in-person workshop to engage the public and interested parties to better understand the values that are most important when considering the long-term management of solid waste in Metro Vancouver.
Outreach at Community Events	Metro Vancouver participated in community events in six areas of the Metro Vancouver region to gain feedback and insights from the public.
Collaborative engagement	This provided an opportunity work with 14 not-for-profit organizations with an interest in solid waste management or environmental issues, and/or representing equity-denied and seldom heard from communities. Each organization was provided with a comprehensive toolkit to support engagement with their audiences. Each organization completed a summary of what was learned through engagement.
One-on-one interviews	Facilitated interviews for individuals and organizations to share their insights and feedback. Seven interviews were completed with representatives from local organizations.
Opportunity to present to the Independent Consultation and Engagement Panel"	The public was invited to present directly to the Independent Consultation and Engagement Panel to provide feedback on the engagement process.

5. Engagement Promotion

Information on how to participate in engagement was shared with the public and interested parties via various avenues, described below.

Website

A project webpage for the solid waste management plan update was launched to provide project information, and links to the online questionnaire and public engagement opportunities. Project information was shared on the Metro Vancouver Solid Waste Services web page as well as the calendar of events webpage. There were more than 3,000 web page visits during the vision and guiding principles phase.

Social Media

The social media promotion ran from September 18 to November 10, 2023, via LinkedIn, Facebook, Instagram, and Twitter. The social media posts provided information about the solid waste management plan update and encouraged participation and input.

Print Ads

Two iterations of print ads ran in each of the Vancouver Sun and the Province newspapers, sharing project information and public engagement opportunities.

Information Card Distribution

Project information cards were distributed to customers at six Metro Vancouver recycling and waste centres, the Vancouver Landfill, and the Vancouver Transfer Station.

E-blasts

Engagement opportunities were promoted via email to recipients subscribed to receive notifications on Metro Vancouver solid waste topics, including the solid waste management plan.

Outreach

2 advertisements
in the Vancouver Sun and Province newspapers

6800 postcards
distributed at Metro Vancouver Recycling and Waste Centres, Vancouver Landfill, and Vancouver Transfer Station

3245 visits
to project webpage

5500
e-blast recipients
Two notifications sent

20
Social Media posts
Reach: 217,921
Engagements: 259
Clicks: 910

6. Engagement Participation

The graphic and table below outline the level of participation in each of the engagement opportunities offered. Overall, Metro Vancouver staff facilitated 23 meetings, received nearly 500 responses to the online questionnaire, reached over 800 participants at community events plus an additional 5,300 at the PNE, and worked with 14 not-for-profit organizations who coordinated engagement with their networks on the regional solid waste management plan.

Engagement

255 QR code scans
from newspaper ads, postcards and e-blasts

484 responses
received to the questionnaire

831 engaged
at community events

14 organizations
participated in collaborative engagement, reaching 869 people

ENGAGEMENT TECHNIQUE	PARTICIPANTS	DATE
Advisory Committees	• Member jurisdiction staff advisory committees (workshop) • Solid Waste Management Plan Public/Technical Advisory Committee (workshop) • Solid Waste and Recycling Industry Advisory Committee (workshop) • Agricultural Advisory Committee (written update) • Youth and Education Advisory Panel (workshop) • Zero Waste Committee and Climate Action Committee (presentation and discussion) • Invest Vancouver Advisory Committee (presentation and discussion) • Regional Planning Advisory Committee Social Issues Sub-Committee (presentation and discussion)	March – November 2023
Community outreach at the PNE	• 5,300 participants	August 19 – September 4, 2023
Virtual Workshop	• 39 registrants • 18 participants	October 13, 2023
In-Person Workshop	• 15 registrants • 4 participants	October 24, 2023

Outreach at Community Events	• 831 participants at six events
	  • Riverfest (167)
	  • Shipyards Festival (203)
	  • Car Free Day (317)
	  • Pitt Meadows Farmers Market (34)
	  • Metro Vancouver Housing Site (28)
	  • Diwali Celebration (82)
		September – November, 2023

Presentation and dialogue with adjacent regional district staff	• Fraser Valley Regional District • Sunshine Coast Regional District • Squamish-Lillooet Regional District • Regional District of Okanagan-Similkameen	July 2023

Collaborative engagement organizations hosting engagement activities	• BC Apparel & Gear Association • Binners' project • Coast Waste Management Association • Fraser Basin Council Youth Program • Hong Kong House Cultural Society • Mind Your Plastics • Ocean Ambassadors • SPEC Master Recyclers • The Recycling Council of British Columbia (RCBC) • Vancouver Food Runners • Waste Management Association of BC • Women Transforming Cities • YWCA City Shift • Zero Waste BC	September – November 2023
Interviews / Meetings	• 505-Junk • BC Bottle & Recycling Depot Association • BC Housing • Canadian Standards Association (CSA Group) • Landlord BC • Vancouver Regional Construction Association • Youth Member of the Public Referred from the Youth and Education Advisory Panel	September 18 – December 15, 2023
Online questionnaire	• 484 participants	September 18 – November 10, 2023

Collaborative Engagement

Collaborative engagement is a new program that Metro Vancouver initiated during the vision and guiding principles phase of engagement. Collaborative engagement involves the provision of support and funding to not-for-profit organizations to engage their networks on the solid waste management plan update. The goal of the initiative is to hear from audiences and organizations who may not be aware of or have access to opportunities to provide input to Metro Vancouver. This includes organizations that represent underrepresented or equity-denied communities, youth, seniors, urban Indigenous people, and environmental groups. During this phase, Metro Vancouver worked with 14 organizations, who conducted engagement activities with their networks including in-person and online surveys, interviews, online information sessions, lunch and learns, online and in-person meetings and workshops, phone calls, social media promotions, and newsletter promotions. This collaborative engagement initiative reached a total of 869 individuals through the following organizations:

- BC Apparel and Gear Association
- Binners' Project
- Coast Waste Management Association
- Fraser Basin Council Youth Program
- Hong Kong House Cultural Society
- Mind Your Plastics
- Ocean Ambassadors
- Recycling Council of BC
- SPEC Master Recycler
- Vancouver Food Runners
- Waste Management Association of BC
- Women Transforming Cities
- YWCA City Shift
- Zero Waste BC

Solid Waste Advisory Committees

Metro Vancouver staff facilitated workshops with the Solid Waste Management Plan Public/Technical Advisory Committee, Solid Waste and Recycling Industry Advisory Committee, and member jurisdiction staff committees (the Regional Engineers Advisory Committee Solid Waste Sub-Committee and the Municipal Waste Reduction Coordinators' Committee, with the Regional Engineers Advisory Committee members invited). Project information was provided, and members were provided an opportunity to share feedback and insights on values and priorities that would help inform the vision and guiding principles. Some of the feedback shared in these sessions included the need to improve recycling and disposal access in small and remote communities and a recognition of the shared responsibility of individuals and industry to be accountable to change. In addition, the importance of collaboration and fostering a sense of community was identified as needing to be a priority for and between all levels of government, private businesses, and industry.

Incentivizing recycling and moving to defining waste materials as a commodity (resource) instead of garbage, were also key areas of feedback. When discussing the environment, there was a focus on establishing and communicating the connection between waste reduction and climate issues as well as the importance of ensuring collaboration at all levels.

Expanding on public education to encourage consumers to buy less while making it easier for the public to recycle were agreed to be important factors. Some shared their perspective of a growing distrust from the public about recycling systems, due to a perception of recycling streams being ultimately disposed. Identifying ways to shift people's perspective on what is considered waste and to create education campaigns aimed at businesses, tourists, and residents were identified as a positive area of focus to address public perception or misunderstanding.

When looking at the longer term, innovation was a key theme, including the use of artificial intelligence and technology at all stages of the waste management process, including waste collection, recycling, and transportation, as well as the need to invest in circular solutions and ways to eliminate waste at the source, such as reducing packaging and banning single-use items.

There were comments on ensuring policy allows for market-driven outcomes, and avoiding conflict between the regional government's role as a regulator and a service provider.

Workshops (Public Audience)

Metro Vancouver also hosted virtual and in-person workshops with the public to share their feedback and insights on values and priorities that would help inform the vision and guiding principles. Feedback heard in these sessions included that there is a need for a system change, to shift from the current system of single use to a reuse system and to adjust the focus from merely managing waste to rethinking the entire product lifecycle. When considering equity and societal improvements, feedback showed that there is a need to ensure that any changes in service do not disproportionately impact those who rely on recycling services to generate income or those with lower socio-economic status. It was noted as a key area of interest to break through silos and approach waste management as cross-disciplinary opportunities to foster collaboration and innovation. Some believed that accountability and driving forward a circular economy were critical with it being notably important to distinguish between holding producers and consumers accountable, as they are seen to have different roles. While there is change needed, there was acknowledgment that Metro Vancouver is a global leader in waste management and that the direction that is chosen will have a bigger impact when other jurisdictions follow.

7. Engagement Feedback

Questionnaire Results

A total of 484 participants responded to the online questionnaire. The online platform provided the public and interested parties the opportunity to self-select their participation in particular components of the questionnaire. The questionnaire consisted of seven questions and included the opportunity to share open-ended input and feedback. The questionnaire was open from September 18 to November 10, 2023, and a link was shared on the Metro Vancouver solid waste management plan project web page, social media, email promotions, public postcard handouts, and at engagement meetings and workshops. A summary of questionnaire results is presented below.

Ten themes had been identified from early engagement with First Nations, member jurisdictions, and advisory committees, as potentially informing the vision and guiding principles for the updated solid waste management plan. Questionnaire respondents were asked to think about how they purchase, use, reuse, recycle and throw things away, and to rate each of the themes on a scale from very important to not important.

While all 10 themes were seen as very important by a majority of respondents, the level of overall importance varied somewhat.

Convenience and consistency was the theme most often seen as very important (82%), followed by three quarters who said that **environmental stewardship** (74%) and **circular economy** (73%) were very important to them.

Seven in 10 also said that **affordability and accessibility** (70%), **product design and innovation** (70%), **education and behaviour change** (70%), **accountability and transparency** (69%) and **climate resilience** (68%) were very important.

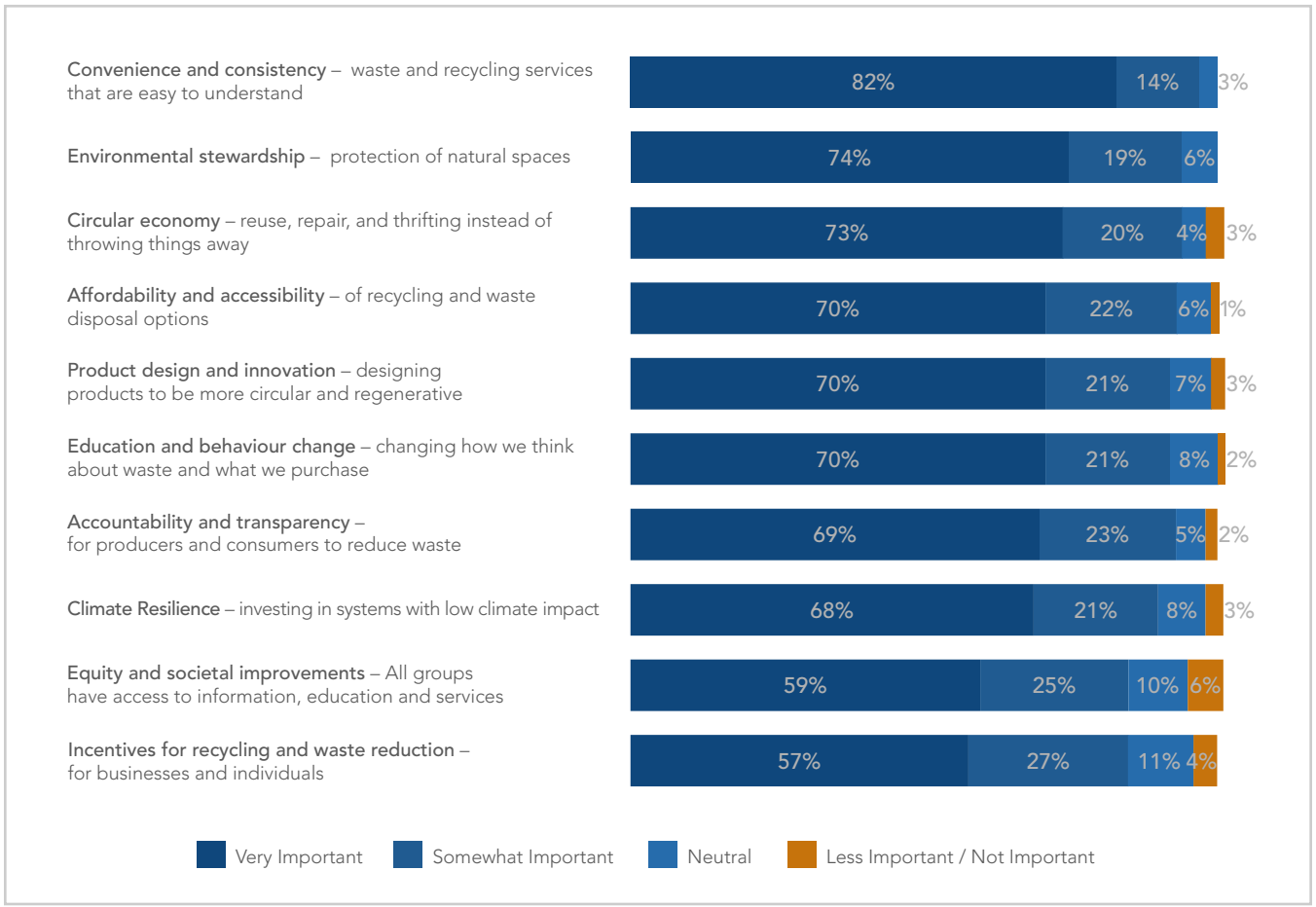
The bottom two themes were **equity and societal improvements** (59%) and **incentives** (57%).

Respondents were asked for further comments on additional themes (171 comments) and on what they thought successful solid waste management should look like in the future (193 comments).

The comments received about additional themes reiterated or expanded on one of the ten proposed themes, often adding suggested strategies or emphasizing certain elements of one of the proposed themes that respondents felt were important.

Overall, the comments revolved around the need for a comprehensive, collaborative, and accountable approach to waste management, involving businesses, individuals, and regulatory bodies. There was a strong emphasis on reducing waste at its source, education, incentives/disincentives, and systemic changes to address the multifaceted challenges associated with waste.

Feedback from the questionnaire comments were included in the overall feedback analysis that has been summarized in the *What We Heard and How We Are Responding* section below.



What We Heard and How We Are Responding

Metro Vancouver conducted qualitative analysis of all the feedback shared during the vision and guiding principles phase of engagement. The feedback was coded, and a feedback log was developed to record all feedback received across a variety of engagement methods: from public online questionnaires to committee meetings, collaborative engagement reports and others. Based on an iterative approach to coding, the following 10 themes emerged across many of the engagement methods.

PRIORITY / INTEREST	WHAT WE HEARD	HOW WE'RE RESPONDING
Climate Considerations and Environmental Stewardship	Amongst those who participated, there was a shared interest in addressing the climate crisis and viewing waste management within the broader scope of climate change and environmental impact. Others shared the need for a focus on circular economy principles, environmental stewardship, promoting material reuse, and minimizing waste generation. Respondents also shared an interest in climate resilience and the need to focus on systems with low climate impact and considering the entire lifecycle of waste. Others shared a focus on biodiversity and ecosystem protection, aligning waste management with the broader goals of protecting biodiversity and ecosystems. This includes sustainable resource use and ensuring that waste management practices contribute to the sustainable use of natural resources. Health and environmental impacts were noted as important, recognizing the effects of waste on the environment and how that environment has an impact on human health. Global environmental leadership and positioning waste management within the context of global environmental stewardship and leadership was an additional area of focus.	Climate considerations and environmental stewardship are incorporated in the draft vision statement and guiding principles.
Community Engagement	Feedback included the need for community engagement in waste management decisions, and for more engagement particularly when there is a need to support a cultural shift towards less consumption and more mindful purchasing.	Feedback taken into consideration as Metro Vancouver develops engagement for future phases.

Convenience, Consistency, and Accessibility	Comments on the need to make recycling and waste disposal more accessible and convenient for residents, with a lens to equity and accessibility, ensuring all groups have access to waste management services and information, addressing economic and social barriers. Insights were shared regarding community involvement, such as fostering shared responsibility between individuals, industries, and governments for effective waste management. This includes expanded curbside pickup services and easier-to-understand recycling programs. There is a recurring theme suggesting a shift in garbage pickup frequency, with some advocating for bi-weekly pickups. Others propose additional recycling categories, such as glass, or a dedicated bin for refundables or more focus on hard-to-recycle items like toothpaste tubes and medication blister packs. Participants also called for consistent rules and services across municipalities that move towards supportive regulations. Some participants suggested there should be community-based solutions that foster local community initiatives and grassroots movements for waste reduction that are inclusive of diverse cultural practices and knowledge.	Concepts of accessibility and addressing barriers are included in the draft guiding principles. Shared responsibility and accountability are included in the draft guiding principles. Specific suggestions on waste collection programs, rules and services, and community-based solutions can be considered in the development of the idea generation phase.
Corporate Accountability	We heard an emphasis on transparency in waste management practices and holding large corporations and industries accountable for waste generation, including encouraging producers to take responsibility for recycling their products, especially for items that are difficult to recycle (e.g. lithium batteries). Wider implementation of EPR was mentioned in this context to ensure accountability. The importance of transitioning towards a circular economy was highlighted, with calls for more EPR, where producers are responsible for the entire lifecycle of their products, including proper disposal. There were comments for manufacturers to consider end-of-life solutions and pay fees based on the recyclability of their products. There was a strong desire to work towards more circular product design to minimize waste. There were also those who commented that businesses in general should participate more in recycling, with some saying it should be mandatory for businesses to do so. Respondents call for stricter regulations on companies to ensure genuine recycling practices rather than sending waste to landfills. This includes ethical practices: ensuring waste management systems are fair, inclusive, and consider diverse cultural contexts.	Concepts of corporate accountability, responsibility, and participation are included in the draft guiding principles. Concepts on circular product design will be taken into consideration in development of next phases of engagement, including idea generation and options analysis.

Economic Considerations	Another theme that emerged was related to the cost and economics of waste management, including incentives and disincentives. Many spoke of implementing carrots and sticks – incentives and fees/penalties. Incentives (monetary) for sustainable practices for both individuals and businesses were often identified, including examples about how to incentivize businesses to use less packaging and choose recyclable alternatives, imposing surcharges for goods that are hard to recycle, penalties on companies producing non-recyclable items, implementation of eco-fees on products, deposits for items like cigarette butts to encourage cleanup, and fees on wasted/overflow products from retailers/businesses. It also included other small- and large-scale initiatives such as providing discounts on almost-expired food and beverages and providing incentives for businesses to invest in eco-friendly practices. Also noted was addressing the costs associated with the regular maintenance of waste management services and equipment. The local economy was also a focus for those who participated in the process as they were interested in exploring how waste management practices support local businesses.	Ideas on economic considerations, including incentives and disincentives, can be taken into consideration in development of next phases of engagement, particularly idea generation. The concept of supporting the local economy is incorporated in the draft guiding principles.
Empowerment, Education, and Awareness	Related to the theme of promoting consumer behavioural change, many participants identified the need for empowering people to make informed waste-related choices and for education initiatives to focus on small behaviour changes that have a significant impact, creating a culture of responsible waste management. This includes promoting consumption reduction and encouraging responsible recycling and disposal through public education programs, including public announcements, publications, and clear signage for different types of waste and recycling materials. It was regularly identified just how important youth engagement is, with the specific example of incorporating waste management education into early learning to foster long-term sustainable habits.	Specific feedback on behavior change, education programs, and signage will be taken into consideration in development of next phases of engagement.

Individual Accountability and Behaviour Change	Many comments focused on making individuals accountable for their waste and for properly recycling or disposing of their waste. There were also those who commented on the need to change consumer behaviour and promote a cultural shift not only for recycling, but also for product purchase decisions, with calls for reduced buying and the promotion of a waste-free lifestyle.	The concept of individual accountability to reduce waste is included in the draft guiding principles.
	This included shifting the focus to future-proofing waste management: planning for the long-term sustainability of waste management systems and adapting to changing climate and societal needs, ensuring waste management systems are adaptable to evolving climate conditions and societal changes.	The concept of ensuring resiliency in the face of future challenges is incorporated in the draft guiding principles.
Innovation, Technology, Infrastructure	This theme focused on technological advancements and innovations for more efficient waste management, emphasizing the need for embracing technology for waste management and a circular economy.	The concept of fostering innovation is incorporated in the draft guiding principles.
	Support for sustainable design and product innovation was expressed, encouraging designs for longevity, repairability, and circular use of products.	Concepts of valuing and conserving materials and products are incorporated in the draft vision and guiding principles.
	There were numerous comments calling for investment in technology to reduce landfill reliance. Specifically, observations of reusable or recyclable materials ending up in landfills, suggestions for improved technology in sorting recyclables from mixed waste, and the development of regulations to limit mixed waste in landfills. Some participants also discussed waste-to-energy solutions, while others commented against incineration.	Discussion around specific technologies and infrastructure will be brought into the conversation in subsequent phases, including idea generation.
	Other respondents highlight the need for improved management and infrastructure at waste transfer stations and the need for infrastructure improvements. Others propose larger areas for waste handling processes to facilitate efficient movement and processing of products.	
	Comments on facilitating entrepreneurship to support a growing circular economy.	

Transparency, Government Accountability, and Collaboration	Related to the theme of public education and information sharing, there is an emerging theme around the importance of transparency in explaining what happens to the various types of waste and recycled items. A recurring theme is the call for transparency from government entities like Metro Vancouver, ensuring that the public is well-informed about the efficacy of recycling efforts. These comments also stress the need for transparency in the recycling process, from collection to the end product. Those engaged were very interested in initiatives leading to accountability in waste management and in holding waste managers accountable for their practices. There were also calls for partnerships and coordination, including advocating for cooperation between different stakeholders for improved waste management between different sectors. Comments included the need for process re-evaluation, continuously monitoring and assessing the operational, policy, and cost aspects of waste management for more effective solutions.	The concept of building confidence in and providing accurate information about what happens to waste and recycling is included in the draft guiding principles. The concept of collaborative solutions is incorporated in the draft guiding principles and vision statement.
Waste Reduction and Prevention	Waste reduction is a significant theme, with a specific emphasis on improving measures to prevent manufacturers from producing excessive waste, such as over-packaging. There is also significant interest in helping consumers to make better choices when it comes to what they purchase. A prevalent concern is the excessive use of plastic packaging, with a call for less packaging to be used for more environmentally friendly alternatives. Those engaged in the process expressed frustration over the paradox of being criticized for plastic bag use when many food items come in non-recyclable plastic packaging. There is also a strong emphasis on reducing single-use items and encouraging bulk buying. Promoting the use of sustainable, reusable alternatives was of keen interest to many.	Comments heard on waste reduction and prevention were directly incorporated in the draft vision and guiding principles Comments specifically highlighting plastic packaging, single-use items, and bulk buying will be taken into consideration in development of next phases of engagement, including idea generation and options analysis.

8. How Feedback Will Be Used

Feedback from this engagement process will help inform the vision and guiding principles for the updated solid waste management plan, which will be presented for consideration by the GVS&DD Board. The vision and guiding principles will be shared in the next phase of engagement as it forms a foundation for subsequent phases, including idea generation and options analysis.

9. Next Steps

The draft solid waste management plan vision and guiding principles, along with this engagement summary report, will be presented to the Zero Waste Committee and GVS&DD Board for consideration. Further opportunities to engage on the solid waste management plan update will be available as the project transitions to the idea generation phase.

If you have any questions or comments about this project, please contact **604-432-6200** or zerowaste@metrovancouver.org.


metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Solid Waste Management Plan Vision and Guiding Principles - Feedback Log

No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
1	**Waste Reduction/Prevention**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	As shown in your presentation, garbage generation has plateaued in the region over the years, and what are the components that are hard for that to start to decrease? What are the GHG implications?	Waste generation is tied to consumption and more difficult to reduce. - key materials to target are organics which represents about 250,000 tonnes - p roportionally high in multi-family buildings - c ause methane emissions in landfill - Wood contributes to about 400,000 tonnes going for disposal a year - o pportunity to offset fossil fuels Comment: Net zero carbon emissions 2025 has been set by Copenhagen – most of their disposal is WTE. https://www.climatechangenews.com/2022/09/16/copenhagens-failure-to-meet-2025-net-zero-target-casts-doubt-on-other-city-pledges/
2	**Waste-to-energy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Are you going to increase WTE in region?	2011 plan – initiated looking into increasing WTE facilities- process to develop waste-to- energy terminated in 2016 on ot currently advancing new waste-to-energy at this point in time
3	**Plastics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: what kind of conversations are we having around the type of plastics and overwrap used in the region for disposal and recycling?	A: Recycle BC collects curbside – provincial producer responsibility to collect the plastic materials Recycle BC is the Regulator to ensure that the materials being recycled are not interfering with the systems that are accepting at depots Being able to come up with a consistent way to recycle and dispose of the plastic materials
4	**Reduced plastic usage**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: plastic packaging – what are the conversations around regulation of reducing the amount of plastic packaging?	A: Metro Vancouver is having those conversations through the National Zero Waste Council – reducing single use plastic items Talking with National Zero Waste Council in regards to reducing the amount of plastic packaging
5	**Access to Waste management Data**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: do you have percentage of recyclable items that is actually recycled?	A: recurring challenging to measure material thrown out – material managed all over the world – some materials goes to distant markets Example of food waste – data comes back from the composting facilities is reported and that is subtracted from the materials that is recycled Recycle BC - annually report out fate of all materials collected – any materials disposed of is not counted in disposal statistics
6	**Landfills**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: gas capture for methane at the landfills?	A: City of Vancouver Landfill receives approximately 70% of the regions garbage – it has a landfill gas collection system that is sophisticated – gas is converted to electricity to heat nearby greenhouse s Agreement with Fortis BC to capture natural landfill gas and use it for their distribution
7	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Should shift from thinking about how to use waste and more to thinking about what could be done to reduce the waste more	Waste reduction has been incorporated in the draft vision statement and guiding principles.
8	**Food security**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Social equity and food security is a bigger issue in the future Diverting food waste to organization that use it (e.g. Food Stash) for others that need the food waste to reduce the food insecurity	Idea about diverting food to organizations to use it will be considered in future phases of plan development- particularly Idea Generation.
9	**Public perceptions and attitudes**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: Don't have time for the culture change we are looking and hoping for	Noted. Metro Vanouver will do its best to accelerate waste reduction and diversion in the reigon.
10	**Public perceptions and attitudes**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Governments haven't been the most successful to incite culture change	Noted.
11	**Waste-to-energy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	MV role in managing waste in an a systemic way – Europe does it well to incinerate everything in WTE and the energy produced outweighs the GHG's of transportation and delivery of products	Concepts on different options or technologies to handle waste will be discussed in subsequent phases of the plan update process -- Idea Generation and Options Analysis
12	**Convenience**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Blue bin – reason for success is its convenience for the users	Concept of convenient recycling systems is incorporated in the draft guiding principles
13	**Convenience**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	MV is able to have the resources to implement a convenience factor in the waste reduction for useable materials for the consumer	Concept of convenience is incorporated in the draft guiding principles.
14	**Plastics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Plastic is a large issue but other aspects contribute to GHG emission for plastics – there are a lot of other causes including production and transportation of products	Emission reduction and climate impact have been considered in the draft guiding principles.
15	**Managing waste locally**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Focus on what we can do within our region.	Noted. Metro Vancouver will explore options within the context of our region as we proceed with subsequent phases of plan development.
16	**Plastics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Plastic only represents a small amount of GHG emissions.	Noted.
17	**Regulation and policy development**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: various municipalities are addressing single use item reduction – MV has unique ability as the regulator of garbage disposal	Noted. Concept of collaboration to enable waste reduction solutions is incorporated in the draft guiding principles.
18	**Plastics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	There is limits we can do to reduce plastic use – work with the province to be able to reduce the amount of plastics	Ideas around reducing plastics will be explored in subsequent phases, including Idea Generation.
19	**Waste-to-energy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	WTE was an issue a decade ago with the Fraser Valley and it likely still will be if we would create more facilities	Noted. Metro Vancouver is not currently pursuing development of new waste to energy capacity.
20	**Regulations to reduce waste at the production stage**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	We need a stronger regional look at managing packaging and SUI materials so it can be reduced at the first step with the production	Concepts of valuing and conserving materials and products are incorporated in the draft vision and guiding principles.
21	**Product standards/regulations**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	MV well positioned to create reduction-side solutions. Ban items that have no alternatives but disposal. Better product management at the consumer level.	Discussion on tools such as bans, incentives, etc., can be discussed during the Idea Generation phase of plan development.
22	**Product standards/regulations**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	We all need commonality throughout region to be able for consumers to understand what products can be reduced and recycled	Concept of enabling all users to participate in the system is incorporated in the draft guiding principles.
23	**User-friendly waste management systems**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	We should find out what the best ways to reduce and recycle the existing products are and how we can better recycle those products and then apply that to the entire region for consistency sake	Concepts of consistency and innovation are incorporated in the draft guiding principles.
24	**Regulations to reduce waste at the production stage**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	We should create a strategy for packaging to get to the source – collectively handle the strategy to mandate and the reduction of plastics at the source	Idea around using regulation to promote plastics reduction can be discussed during Idea Generation and Options Analysis phases of plan development.
25	**Waste processing standards**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: we have a goal of 80%, and we have reached 65% so far, but why isn't it 100%- can it be set higher?	Draft vision statement has been crafted to be visionary, progressive, and inspiring.
26	**Waste processing standards**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Can we not achieve it?	A: key aspects of new swmp is to establish different targets in addition to the current targets

Solid Waste Management Plan Vision and Guiding Principles - Feedback Log

No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
27	**Access to Waste management Data**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	If not, have reasons on why we can't be available to the public so they understand	Individual materials and how they reduce GHG to set new targets – will be included in the new plan as best as possible
28	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Dealing with waste at source to regulate industry better should be priority Q: Textiles diversion – what is being done?	In Metro Vancouver, textiles reuse is more common than recycling. Repurpose is the main focus of textiles diversion. One priority is addressing textiles consumption.
29	**Packaging material**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: Food packaging – mother nature provides packaging naturally – but it is not used for grocers, instead they use too much plastic packaging.	Concepts of valuing and conserving materials and products and corporate accountability are incorporated in the draft vision and guiding principles.
30	**Food security**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Food rescuers need to be incentivize to use the food that is not being used currently to upscale it and repurpose it to reduce food insecurity	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
31	**Equity and Social justice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	We currently separate out all of waste – then ship it out – but we should foster the reuse here at home – not outsource it	Concept of valuing and conserving materials and products and building infrastructure in the region are incorporated in the draft vision and guiding principles.
32	**Product cycle**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Developing the industries in Canada is important to create jobs and keep it at home	Noted.
33	**GHG/Carbon emission reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: CAC plan to reduce GHG's by 2050 – not on track	Noted. Metro Vancouver's Climate 2050 Solid Waste Roadmap will align with corporate GHG reduction goals and the updated solid waste management plan.
34	**GHG/Carbon emission reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: Could ZWC plans be considerate of how the plan update could really focus on GHG targets of reductions?	A: Metro Vancouver's Climate 2050 Solid Waste Roadmap will align with corporate GHG reduction goals and the updated solid waste management plan.
35	**Trust-building through transparency**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: Request for active reporting on the reduction of GHG's and target reduction by 2050	Noted. This request deals with Metro Vancouver's Clean Air Plan.
36	**Waste-to-energy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment- Is it time to look at increasing WTE again? As the waste generation is not decreasing	The 2011 Integrated Solid Waste and Resource Management Plan initiated looking into increasing Waste-to-Energy facilities, but the process to develop waste-to-energy was terminated in 2016. No work is underway with respect to the development of new waste-to-energy capacity.
37	**Consumer choice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Consumption going up, how to manage it	Waste reduction and prevention are main focus areas for Metro Vancouver and will be considered in the idea generation phase of the plan update.
38	**Regional standardization of services and practices**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: Need consistent system throughout the region when it comes to garbage and recycling materials. One size fits all approach.	Concept of consistency has been incorporated into the draft vision and guiding principles.
39	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: source separating and reduction – technology is able to reduce and eliminate waste at the source, where is MV using tech to eliminate plastic at the source and reduce waste?	A: MV is encouraging reusable containers at restaurants – initiative to promote the reuse packaging through Ocean Ambassadors Reuse working group - Fry chair
40	**Use of sensors and automation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: use of technology – sensors – what is happening with that at MV?	A: use optical sensors in residential bins – pilot program with burnaby. one example of what mv is doing
41	**Reduced packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: First Nations engagement and reconciliation – procurement with the landfill process – will First Nation be included in the procurement process?	A: Firs Nations involvement is a key component in the updated procurement process
42	**Extended Producer Responsibility (EPR)**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	E-waste companies and increasing in North America and are mining for precious metals in e waste Q: Are there any initiatives to use those precious metals for other green initiatives?	A: EPR programs in place in BC – consumers pay a fee when you buy it, this fee includes the net cost of recycling product at the end of its life and that expense includes the recycling costs
43	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Emphasis on reducing at the source ie. Plastics, coffee cups, shipping materials	Emphasis on reducing waste at the source is incorporated into the draft vision and guiding principles.
44	**Food security**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: Food security is a large issue to try to mitigate the costs of food insecurity in the region Q: where are we in the food producer plastic reduction? Should we invite the producers to the Zero Waste Conference to talk about plastics packaging and food security?	A: food mesh agreement with MV that has been successful in reducing food waste and reusing It is an initiative that is bringing together the producers and retailers and users of food to maximize food recovery
45	**Packaging regulation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: told to buy local now – farming is a larger issue that will be decreasing, how do we get the local grocers to not accept the products with plastic packaging with food industry?	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
46	**Extended Producer Responsibility (EPR)**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: plastic packaging is a hot topic – Styrofoam should be included in the EPR somehow Packaging comes in from delivery services comes in lager boxes and lots of plastic for the small products that don't need it Maybe EPR program could apply to the home delivery companies somehow to reduce the packaging they use so others don't have to recycle and reduce it Rethinking products (wood vs. plastic)	Styrofoam (EPS) packaging is included in RecycleBC's EPR program.
47	**Food waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: approximately 1/3 of food produced in Canada is never used	Noted.
48	**Food waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Wasting food is an issue and sending plastics to garbage – it is an either or situation – hard to tackle together	Noted. This concept can be explored further in future phases of the plan development particularly Idea Generation and Options Analysis.
49	**Industrial waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Large generators (Sobeys and Walmart) are part of the National Zero Waste Council.	Noted.
50	**Behavioral change campaigns/ promoting responsible behaviors**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Comment: you should rewrite question – how can we educate our citizens for better waste reduction, reuse and disposal?	Noted.
51	**Educating people about waste reduction/management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Residents would like to know how they can make things better and improve waste reduction and we need to work further on that	Concepts of individual accountability and building confidence in the system are incorporated into the draft vision and guiding principles.
52	**Services for multi-family residences**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Multi-family residential services (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
53	**Product packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Coffee cups (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis

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54	**Landfills**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Vancouver Landfill End Use Planning (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
55	**Waste-to-energy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Waste to energy (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
56	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reducing at source (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Waste prevention is included in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
57	**Product packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	One system for all (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Convenient, consistent, and inclusive programs are concepts included in the draft vision and guiding principles.
58	**Regional standardization of services and practices**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Consigner standards across munis and province (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Consistent services is a concept included in the draft vision and guiding principles.
59	**Environmental impact**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	The climate impacts of our waste stream. (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Climate action is incorporated in the draft guiding principles.
60	**Engagement, education and behavior change**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Education (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
61	**Services for multi-family residences**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	increasing recycling and green diversion in multi family buildings (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
62	**Engagement, education and behavior change**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	simple answers to residents...what can I place in the dispensers and what should I sort out accordingly. (therefore Education) (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Concepts of convenience and consistency are incorporated into the draft vision and guiding principles.
63	**Regulations to reduce waste at the production stage**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Further work (and legislation) to reduce the use of difficultto or impossible-to recycle packaging material, region-wide. (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
64	**Waste Processing/Management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Organics, Soft plastics/overwrap, Building materials (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
65	**Product packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Packaging (reduction or elimination) (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
66	**Individual responsibility/impact**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Consumer ease (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Convenience is incorporated in the draft guiding principles
67	**Product design**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Buy only what you need and can use (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Waste prevention is included in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
68	**Organics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Organics recycling (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
69	**Reduce organics waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Full conversion of waste into materials that are useful. For green waste and organics, conversion into gas and compost. Focusing on diversion rates not enough due to globalization of waste. (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
70	**Plastics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Single use plastic ban, more recycling bins (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
71	**Waste Processing/Management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Vancouver Landfill planning (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
72	**Transparency in waste management processes**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	green disposal information and impact! (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
73	**Plastics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Plastic reduction: how to reduce throwaway plastics such as toiletry items and encourage refill depots to open? (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
74	**Services for multi-family residences**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Multi family services (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
75	**Consumer choice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Shifting consumer behaviour (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
76	**Green/Fish waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Disposal of wood (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
77	**Packaging material**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reducing waste by creating sustainable packaging (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Waste prevention is incorporated in the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
78	**Waste-to-energy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Waste to energy being priority. Europe doesn't recycle (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
79	**Equity and Social justice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Scaling practical deployment and acceptance of reusables (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Keeping materials in circulation is included in the draft guiding principles.
80	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	leveraging technology and data to reduce waste at source (ie AI, opitical sorters, appbased reuse options, source analysis) (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Innovation is included in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
81	**Extended Producer Responsibility (EPR)**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Bringing EPR cost recovery up to the point where it fully covers the cost of waste stream management. (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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82	**Product design**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	How to reduce our collective consumption as a society. (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Waste prevention and individual accountability are incorporated in the draft guiding principles.
83	**Systematic barriers**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Municipal policies that reduce construction waste (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
84	**Behavioral change campaigns/ promoting responsible behaviors**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Educate on not buying plastic items (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
85	**Organics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	organics liners.-creating a made in bc solution (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
86	**Electronic waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Computer waste, how is it broken down? (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
87	**Product packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	One system for all (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
88	**Waste-to-energy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	waste to energy (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
89	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reduce at source (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles. Waste prevention is incorporated in the draft guiding pricniples.
90	**Waste processing standards**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	National standards for "compostible plastics" (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
91	**Organics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Smaller bins so residents can dispose less waste (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
92	**Extended Producer Responsibility (EPR)**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Expand EPR to online services like Amazon (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Corporate accountability is included in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
93	**Electronic waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Electronics (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
94	**Awareness of environmental impact**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Public awareness of longevity of plastic materials and environmental damage (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
95	**Innovation and Technology in Waste Management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	innovation such as biochar, which can take wood waste, solid waste, biosolids, compost, and plastics. (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Innovation is included in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
96	**Considerations for First Nations**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Re-using materials when new development happens (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
97	**Waste-to-energy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	I would like to see landfills closed. Waste should be reduced, reused and recycled wherever possible and whatever is left, should be processed in waste to energy facilities. (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
98	**Extended Producer Responsibility (EPR)**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	More robust EPR to cover more commonly disposed items, incentivizing salvage and recycling with EPR deposits on returnables (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
99	**Electronic waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Mining computer waste for critical metals to support green initiatives (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
100	**Reduced plastic usage**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	reduction of single use packaging (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
101	**User-friendly waste management systems**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	development of recycling industry here in BC (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
102	**Re-use**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	promotion of reusable personal products (ie. cups , take out containers) (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
103	**Relevance for the indigenous communities**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Usable house furniture for people in need (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
104	**System change**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Systemic change in processing of waste. Depending on culture change and consumer habits to change is not enough (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
105	**Promote circular economy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	How to promote widely a circular economy (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Concept of keeping products and materials in circulation is included in the draft guiding principles.
106	**Reduce organics waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	strategies that we can implement to reduce organics and wood products that should not be in the waste stream. (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
107	**Metrics - evaluation and measurement**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Real time data tracking to "gamify" waste reduction - make it engaging, informative and FUN! (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
108	**Waste management through a climate lens**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Viewing all plastic recycling/ disposal / incineration actions through a climate lens. Tracking WTE carbon impacts. (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Climate action is incorporated in the draft guiding principles.
109	**Packaging regulation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Supporting businesses with resources and best practices (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.

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110	**Food waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Have central warehouse in each community for expired food products (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
111	**Regulations to reduce waste at the production stage**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	packaging at source (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
112	**Organics**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	we need to do more with organics especially food products (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
113	**Recycle**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	there is still a great deal of recycling of wood products with the massive development ot come (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
114	**GHG/Carbon emission reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Prioritize simultaneously reducing GHGs. (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Climate action is incorporated in the draft guiding principles.
115	**Diversion**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Focus on diverting Organics, construction wood waste, plastics, coffee cups! (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
116	**Waste-to-energy**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Consider more waste to energy. (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
117	**Green/Fish waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Find. Ether use for wood waste (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
118	**Reduce/ban single-use plastic**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Ban plastic patio furniture (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
119	**Innovation and Technology in Waste Management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Innovation in technology (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Innovation is included in the draft guiding principles.
120	**Sorting**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Use more sorting technology (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
121	**Reduced packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Less packaging (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
122	**Reduce**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reduce. (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Waste prevention is incorporated in the draft vision and guiding principles.
123	**Packaging regulation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Ban styrofoam packaging (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
124	**Access to disposal/recycling options**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Recyclable (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
125	**Feasibility and Effectiveness**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Tracking of the product throughout its lifecycle (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
126	**Reusable packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	alternate uses of packages (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
127	**Compostable**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Compostable (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
128	**Waste Reduction/Prevention**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	environmental resilience (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Resilience is included in the draft guiding principles
129	**Reusable packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Commercial reusable packaging/containers (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
130	**Environmental impact**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Climate impacts. (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Climate action is incorporated in the draft guiding principles.
131	**Convenience**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	convenience (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Convenience is included in the draft guiding principles
132	**Managing waste locally**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Develop local industry for repurposing non recyclable packaging products (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
133	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	food rescue and upscaling (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
134	**Equity and Social justice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Returnable for re-use (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
135	**Clarity on terms and definitions**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Streamlined standards around definitions of "compostable" (most products cannot be composted within Metro Vancouver's composting facilities) (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
136	**Extended Producer Responsibility (EPR)**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Extended Producer Responsibility (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
137	**Reduced packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Eliminate packaging wherever possible. (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.

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No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
138	**Climate change**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	better package to begin with so it can be reused (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
139	**Waste Processing/Management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	How? What box? Where can I go for large products (fridges, stoves, etc) (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.) Landfills? keeping our streets, parks and communities clear of litter, junk, and Debree!	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
140	**Extended Producer Responsibility (EPR)**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Expand EPR to online sales packaged goods- ie: Amazon (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
141	**Access to disposal/recycling options**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Recycle (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
142	**Reusable packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Have a central drop off to return amazon packaging (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
143	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Less is more (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
144	**Product design**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Purposeful purchasing or consumerism (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
145	**Product design**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	NOT "out of sight out of mind", responsible for our own waste, one system, reduction at source, not encouraging more consumption to create more waste, regulate disposable clothing furniture products (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Accountability is incorporated I the draft guiding principles
146	**Reduced packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Have a click button to decline packaging (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
147	**Equity and Social justice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Deliver to places that can re-use or redistribute products no longer used (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
148	**Penalties**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Consistent regulations (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Consistency is included in the draft guiding principles.
149	**Engagement, education and behavior change**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Consumer education (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
150	**Packaging processing**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Have producers of products put a value on the packaging so consumers know what packaging is costing them. (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
151	**Product design**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Best practice is not to overbuy or hoard (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
152	**Limits on waste generation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Limits in how much residents can dispose of (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
153	**Equity and Social justice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reuse is a priority. As is social equity (eg for food security). Net zero carbon emissions. Incentivize lifetime use. Tax the heck or ban one-time or 'cosmetic' packaging. (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
154	**Industrial waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Biochar facility (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
155	**Production costs**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	New ideas (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
156	**Reduced packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Public input (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
157	**User-friendly waste management systems**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Increase recycling targets (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
158	**Penalties**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	More regional approach (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
159	**Innovation and Technology in Waste Management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Technology and innovation (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Innovation is included in the draft guiding principles.
160	**Climate action**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Climate Action (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Climate action is incorporated in the draft guiding principles.
161	**GHG/Carbon emission reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	GHG emissions reductions (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Climate action is incorporated in the draft guiding principles.
162	**Production costs**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Challenge the status quo (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
163	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reduction in waste generation at source (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Waste prevention is incorporated in the draft guiding principles
164	**Technology**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Better technolgy (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Innovation is incorporated in the draft guiding principles.
165	**Equity and Social justice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Equity (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Inclusive solid waste programs is included in the draft guiding principles

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No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
166	**Investments in green technology**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Technology disruptors and tools to facilitate reduction, re-use, life cycle tracking and data analytics (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
167	**Food security**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Equity involving food security (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Inclusive solid waste programs is included in the draft guiding principles
168	**User-friendly waste management systems**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Notifying the Public.....consistentcy...simple instructions and education.....rewards involving schools and young folks...showing results and benefits (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Convenience and consistency are incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
169	**Packaging regulation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Bring industry to the table (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	The Solid Waste and Recycling Industry Advisory Committee plays a key role in providing input to the solid waste management plan update process.
170	**Production costs**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Ambitious (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
171	**GHG/Carbon emission reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Urgency to reduce GHG's (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Climate action is incorporated in the draft guiding principles.
172	**Cost effictiveness in waste practices**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Respect for tax dollars - keeping costs low (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Affordability is included in the draft guiding principles.
173	**Production costs**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Take risks (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
174	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Zero waste target to be achieved by a specific date (2040?) (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
175	**Global Equity**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Global equity -- accountable for our own waste (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Inclusive solid waste programs and individual accountability are included in the draft guiding principles.
176	**Penalties**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Regional approach-no piece mealing it (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Consistency across the region to avoid confusion is included in the draft guiding principles.
177	**Penalties**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	less regulation (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
178	**Accountability**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Responsibility (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Accountability is incorporated I the draft guiding principles
179	**Packaging material**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Development of compostable packaging from waste (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
180	**Individual responsibility/impact**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Make it easy!!!! Just like the Adele song. (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Convenience and consistency are included in the draft guiding principles, with the aim to make it easy for everyone to participate.
181	**Energy waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Solid east as source of energy (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
182	**Limits on waste generation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Increase personal and civic targets (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
183	**Collaborating in innovation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Support innovative solutions from private industry to deal with recycling and waste locally. (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Innovation and collaboration are included in the draft guiding principles.
184	**Relevance for the indigenous communities**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Cultural diversity (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Inclusivity is incorporated in the draft guiding principles.
185	**Equity and Social justice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Centered on the Five Rs and actively promoting and prioritizing Refuse and Reuse as first best choices (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Waste prevention is incorporated in the draft guiding principles.
186	**GHG/Carbon emission reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reduce GHG's by processing locally (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Climate Action is incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies-- such as local processing -- will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis.
187	**Packaging regulation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Embrace private industry partners (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Collaboration is incorporated in the draft guiding principles.
188	**Packaging processing**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Treat people like partners not rule breakers (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
189	**Solid Waste Management Plan - logistics and implementation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Focus on actions leading to tangible results (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
190	**Waste Processing/Management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	What are other countries doing? Should we pivot? Are we really looking after what we produce? As long as waste goes away, have we addressed its existence. Lower income countries produce less waste (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles. Jurisdictional scans will be part of the work involved as we update the solid waste management plan.
191	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Increase trgets (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
192	**Reduced packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Making waste reduction fun and competitive (Metro the best) (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
193	**Product design**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	impactful purchasing, 100 mile for all products (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
194	**GHG/Carbon emission reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Achieve our climate goals: reduce GHG emissions by 45% by 2030, net zero by 2050. (We are SO not on track now.) Priorities; use food, use construction materials.. Prioritize social equity. (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	Climate action and inclusive programs are included in the draft guiding principles.

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195	**Reduced packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Less packaging (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.) (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
196	**Product design**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Plan your needs before you buy (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
197	**Reduce**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Increasing reduction (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Waste prevention is included in the draft vision and guiding principles.
198	**Product packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Commonality in approach to the issues (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Consistency is included in the draft guiding principles.
199	**Recyling options**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	More options to recycle- not so presciptive (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
200	**Product packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Packaging is not seen as a promotional tool, rather, in its excess a source of shame and irresponsibility (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
201	**Feasibility and Effectiveness**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Thinking about the end result of what happens to a purchased item (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
202	**Feasibility and Effectiveness**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Recycling ending up in landfills overseas. Need to be responsible for our own products from beginning to end (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Accountability is incorporated in the draft guiding principles.
203	**Lessons learned**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Look to the past with regards to food and product packaging. (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
204	**Source reduction**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reduced waste at source (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Waste prevention is included in the draft guiding principles.
205	**Extended Producer Responsibility (EPR)**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	If EPR actually meant producers took full responsibility (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Corporate accountability is included in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
206	**Penalties**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Regulate producers, regulate uses through zoning to not perpetuate waste, better is not more, (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
207	**Cost effictiveness in waste practices**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Shop local tax incentives, why does local cost more?? (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
208	**Behavioral change campaigns/ promoting responsible behaviors**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Work on minimizing the waste through stronger education campaigns (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
209	**Product design**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	impactful choices when and where to shop (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
210	**Access to disposal/recycling options**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reduction of fast fashion. Increase fabric recycling (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
211	**Waste processing standards**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Standardization (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Consistency is included in the draft guiding principles
212	**Consumer choice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Salvage of materials is seen as a higher purpose, moving away from labels like second hand, thrift or junk and towards a narrative of value capture (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Keeping products in circulation is incorporated in the draft guiding principles.
213	**Affordability of waste reduction practices**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	If recyleable packaging was less expensive than nonrecycleable options (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Affordability is included in the draft guiding principles.
214	**Engagement, education and behavior change**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Careful not to overbuy certain products, recycle clothes, furniture, other products, sent items to thrift stores or Not For Profit organizations, Educate the public they want to get involved! (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
215	**Educating people about waste reduction/management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Education on where wastes end up (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Transparency is included in the draft guiding principles.
216	**Youth/Next generation focused education/engagement**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Youth awareness of why its important (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Thank you for your response to the mentimeter poll. Feedback will be considered in the development of the draft vision and guiding principles.
217	**Waste Processing/Management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Allow for separation at depots not just at homes. (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
218	**System change**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	We could look at different strategies that get at the issues in a number of ways regulation education (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.

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No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
219	**Equity and Social justice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	And adding equity issues into the discussion. (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Inclusivity is incorporated in the draft guiding principles.
220	**Policy to reduce**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Allow bring your own pizza containers (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
221	**Awareness of environmental impact**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	If people better understood their own waste streams (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Individual accountability is incorporated in the draft guiding principles
222	**Durability/longevity of products**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Stronger polluter/consumer-pay principles that is equitable (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Individual accountability and inclusivity are incorporated in the draft guiding principles
223	**Climate change**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Work on proper labeling of products- S most fibres now have plastic in them which makes the incomparable & unrecyclabke (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
224	**Trust-building through transparency**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Make clear statements about what where and why of waste reduction. keep the message consistent. (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Transparency and consistency are included in the draft guiding principles.
225	**Collaboration across the industry**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Too many silos of waste recovery (small NGOs, startups). need regional solutions that are at scale and convenient (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Convenience and collaboration are included in the draft guiding principles.
226	**Reduced packaging**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Reduced packaging (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
227	**Waste Processing/Management**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Curbside pick up of soft plastics/overwrap	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
228	**Packaging regulation**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Industry led change (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
229	**Equity and Social justice**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	We can introduce into the consuption of clothing the equity piece including what are the costs to the people that produce the clothing- eg (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Affordability and inclusivity are included in the draft guiding principles
230	**Landfills**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Great to get rid of Landfills which produce huge amounts of methane and GHGs (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
231	**Awareness of environmental impact**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Helping the public understand the impacts on the climate and the need for residing waste (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	Transparency and climate action are included in the draft guiding principles.
232	**Waste Reduction/Prevention**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Standardize recycling region-wide. Ban plastic and excess packaging. Purchase durable goods. Prioritize use of food 'waste' . Consider more waste to energy. Require embodied emission permits.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
233	**Electronic waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Tech waste – the amount of e-waset and plastic waste is increasing this the amount of tech available Q: what happens to the plastics with that disposal of e-waste?	A: The EPR programs in place are to charge a fee for the recycling's fees The producers get incentives to maximize the longevity of the products to reduce the amount of e-waste over the longer term
234	**Electronic waste**	Workshop	Zero Waste Committee & Climate Action Committee	13-Apr-23	Member jurisdiction elected officials	Q: How much plastic is reused in the tech waste ? Report back to zero waste on how much is recycled within the region of tech waste plastics	
235	**Production costs**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Capacity in the region is high priority for all materials. The situation is never static, we are always trying to find solutions within region (including the Fraser Valley) to deal with capacity constraints. Currently some material is going across the border, or to Cache Creek. We need incentive and innovation in our region which will help with capacity.	Concepts of innovation and strengthening the solid waste system are included in the draft vision and guiding principles
236	**Sharing resources and information**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	When capacity exists, we need to show it exists to help the public get on board to do the right thing (i.e. recycle).	Concepts of building confidence in the system are included in the draft vision and guiding principles
237	**Consistency of regulations**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	From a business strategy perspective, we would like policy certainty. There is currently so much uncertainty on what policies are coming, it is difficult for companies to become innovative and drive waste reduction. Having a policy framework working toward a common shared goal will help create investment in waste reduction and recycling technologies.	Noted. Metro Vancouver will continue to meet regularly with the solid waste industry.
238	**Consistency of regulations**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Having certainty about policy over a project lifespan is very important. The more certainty with respect to policy the better.	Noted. Metro Vancouver will continue to meet regularly with the solid waste industry.'
239	**Sharing resources and information**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	The government's job is to set the goalposts and let industry kick through the goalposts and not move the goalposts. It's not government's job to say which products or proposals are a good idea as long as it meets that end goal.	Noted. Metro Vancouver will continue to meet regularly with the solid waste industry to discuss issues such as the regulatory framework.
240	**Regulation to enable innovation**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	The current policy framework is very restrictive, and is complicated by municipal bylaws and zoning. Regional district should look at the SWMP from a policy perspective, but also work with municipalities to create policies to help innovation can take place.	Concepts of innovation and strengthening the solid waste system are included in the draft vision and guiding principles
241	**Waste Processing/Management**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Nobody wants solid waste facilities in their backyard, it's becoming harder to create opportunities.	Improving the local infrastructure has been noted as a key issue/opportunity.
242	**Continuous engagement and communication**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	The distinction between municipal government and regional district is challenging for the average person.	Concepts of building confidence in the system are included in the draft vision and guiding principles
243	**Public perceptions and attitudes**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Industry faces an uphill battle on education for siting solid waste facilities. E.g. Anaconda trying to site a facility on the north shore. Public perception is a barrier.	The concept of strengthening solid waste processing infrastructure is included in the draft vision and guiding principles.

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244	**Recycling infrastructure improvement**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	The reality of a circular economy needs to be messaged to public to understand the infrastructure requirements. People don't want solid waste facilities nearby, but they need them. This comes down to education.	The concept of strengthening and expanding solid waste infrastructure is included in the draft vision and guiding principles
245	**Diversion**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	There is a perception that everything just goes to landfill anyway, despite our efforts to recycle. We can't encourage diversion when people believe everything is going to landfill anyway. More education is required.	The concept of building confidence in what happens to waste and recycling is included in the draft vision and guiding principles
246	**Partnership with various levels of government**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	The separation between municipal and regional powers creates uncessary barriers/hurdles for getting new solid waste infrastructure approved (e.g. municipal zoning bylaws and regional solid waste licences)	Noted. Solid waste regulation will be discussed in the Idea Generation Phase with waste industry groups.
247	**Collaborating in innovation**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Municipal education needed to let them know the importance of innovation for bringing in jobs/money to their municipality.	The concept of innovation is included in the draft vision and guiding principles.
248	**Partnership with various levels of government**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Metro Vancouver is constrained by powers granted from provincial government. All stakeholders need to be involved.	Engagement for the solid waste management plan includes a wide range of interested parties including the provincial government.
249	**Un-recyclables**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	What can be done with "Unrecyclable" plastics and what can we make them into? e.g. Ocean Legacy Foundation uses ocean plastics to create products.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
250	**Cost effictiveness in waste practices**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Cost is an important consideration. In order to encourage behaviour, cost is a driving factor. The less you have to dispose, the less it will cost. This encourages recycling. How do we drive that behaviour?	The concept of affordability is included in the draft vision and guiding principles. Specific ideas on actions, strategies or policies to promote behaviour change will be considered in future phases of plan development- particularly Idea Generation and Options Analysis.
251	**Subsidies for Sustainable Practices**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	In the UK 80% of thedisposal cost is tax. This was then set aside for grants and projects to help recycling.	Noted. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis
252	**Deposit system**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	A lot of products that go in the RecycleBC container could have a deposit system. A deposit system for consumables is a great way to encourage diversion.	The concept of accountability for waste producers is included in the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
253	**Waste Processing/Management**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	A big challenge is ensuring waste doesn't leave the region as MV has invested in infrastructure to it. Working together to figure out how to keep waste in region should be top priority for solid waste management plan.	The concepts of expanding the infrastructure and system for waste management and reslience to future challenges is included in the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
254	**Waste Processing/Management**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Maybe out-of-region is the best solution for a portion of the waste. All options should be on the table involving collaboration with all stakeholders .	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
255	**Tipping fees**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Elephant in the room: the revenue generated from the tipping fees is a touchy subject for all stakeholders. MV has a lot invested in infrastructure, systems, processes, and policy, but restrictive policy leads to challenges..	Noted.
256	**Partnership with various levels of government**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	If WMABC and Metro could come up with an agreement on keeping material in the region and go to the Ministry together, this could get the Ministry to take action. This type of action would require changes to the EMA.	Noted.
257	**Regulation and policy development**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Before we get into an updated SWMP we need to discuss the bigger picture. The whole policy framework needs to be thought about to be successful including issues of assets, investment and tipping fee revenue for public and private entities.	Noted.
258	**Solid Waste Management Plan - logistics and implementation**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	How long until the next step?	The plan is to go to Zero Waste Committee in July with feedback. Ideally feedback would be received in the next couple of weeks. Vision and guiding principles themselves likely won't be drafted until late this fall following public engagement.
259	**Recycling infrastructure improvement**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Are we going to talk about infrastructure such as replacing disposal facilities and waste-to-energy in the updated plan, or is the focus more on policy, behaviour change, and waste reduction? (CD)	The key focus will be "What can we do together to reduce waste?". An element will be managing the remaining garbage. The issue of residuals management undermined the planning process in the last instance and took the focus away from waste reduction.
260	**Waste Processing/Management**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Who owns the waste?	The model revolves around the tipping fee bylaw, which sets rates. Customers are subject to those rates. Within the tipping fee bylaw is the generator levy. If you take waste to a facility outside the region you need to pay Metro Vancouver. In theory municipalities can take the waste wherever, but they would need to pay Metro Vancouver.
261	**System change**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	How is the system for green waste different?	Historically there has been no regional organics service. The model started where individual municipalities contract for organics. Results in model where MV comes in to assist when there's a problem. MV has offered in the past to move organics through MV facilities and facilitate where possible.
262	**Regional standardization of services and practices**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Why is a guaranteed tonnage model not used in the region?	Everything Metro Vancouver does goes through a procurement process. The model you describe is what was done historically with Wastech. The result was that Wastech designed, built and operated a series of facilities in the region, but this was not in Metro Vancouver's interest over time. The current philosophy is that key assets are best owned by Metro Vancouver. The Waste-to-Energy facility has always been under that model (third party is operator only). United Boulevard and new facilities are Metro Vancouver owned on Metro Vancouver land.
263	**Product Marketing**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	What will there be in the updated plan for enforcement of permits/unregulated sites managing waste? Licensing system or lack thereof is creating an unfair system for some. Facilities are taking things in without proper licence, not subject to same restrictions.	The system typically works by requiring a license when facilities are enforced against. The budget has increased for Metro Vancouver's regulation & enforcement group, new positions have been created, and additional enforcement officers have been hired, indicating an interest in enforcing these bylaws. Competitors complaining helps inform improvements to the enforcement system. The program is robust, with about 50 licensed solid waste facilities in the region.

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264	**Clarity on terms and definitions**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Does Question 2s description of "Packaging, products, or materials" coincide with RecycleBC definitions?	The phrasing in question 2 was our way to get at "What values do people consider when they make decision about what they do with their waste" using more accessible language. The attempt is to incorporate the full scope of materials and steps in the process, and not just garbage. This is different than Packaging and Printed Paper in the recycling legislation.
265	**Equity and Social justice**	Workshop	Waste Management Association of BC	27-Apr-23	Waste industry	Is inclusivity new to this plan? (i.e. equity and inclusion)	In terms of inclusion and equity, there are many factors not explicitly mentioned in the existing plan that should be considered. Equity may be discussed in context of facility siting (nearby residents who may be affected), but also with access to facilities/services. Equity has been an important conversation at MV Board meetings.
266	**Local repair and reuse programs**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Must be truly recyclable	The concept of building confidence in what is recyclable is included in the draft vision and guiding principles.
267	**Source reduction**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Guilt-free – to wash out etc.	The concept of convenience is included in the draft vision and guiding principles.
268	**Product standards/regulations**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	The consumer doesn't want to do research yourself – producers should have product standards nationally that regulates it and tells the customers what is on their product	Concepts of convenience and advocating for accountability are included in the draft vision and guiding principles.
269	**Reduced packaging**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	The product has been designed already to design the waste materials – packaging eliminated already	Concepts of business accountability to prevent waste are included in the draft vision and guiding principles.
270	**Product design**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Design the products that automatically come with a single use component	Concepts of business accountability to prevent waste are included in the draft vision and guiding principles.
271	**Source reduction**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Look at source reduction as a first step with waste products	Concepts of prioritizing waste prevention are included in the draft vision guiding principles.
272	**Product cycle**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Learn from the products we do buy (and how they are not recyclable) so we can then not use those products more often with the single use items	Concepts of individual and corporate accountability are included in the draft vision and guiding principles.
273	**Consumer choice**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Consumer choice for the products should be available to them – to have options that are sustainable and are already designed to not be single use	Concepts of Individual and corporate accountability are included in the draft vision and guiding principles.
274	**Consistency of regulations**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Different regions have different waste disposal and recycling regulations – every municipality has different regulations	The concept of consistency is included in the draft vision and guiding principles.
275	**Convenience**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Harmonization of the waste and recycling system – make it easier for each area and customers to know how to reduce the waste to zero waste	The concept of consistency is included in the draft vision and guiding principles.
276	**Zero Waste**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Target zero waste – if you don't you want have system that deals with waste – thinking about the waste system being less so that you aren't always having to feed into it with waste	The concept of waste prevention is included in the draft vision and guiding principles.
277	**Waste Reduction/Prevention**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Targeting 85% as a region is the wrong approach	Metro Vancouver will be revisiting goals and targets in future phases of the solid waste management plan update.
278	**Zero Waste**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Targeting 100% zero waste with all products is the right approach	Metro Vancouver will be revisiting goals and targets in future phases of the solid waste management plan update.
279	**Regulation to enable innovation**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Need to be pushing the innovators and "bringing it up the floor". "Bringing it up the floor" meaning - Regulators to give funds and support for each community to be able to make that regulation the new floor for them to be higher for other regulators to see that and for that innovation to grow based on the regulations	Innovation and collaborative solutions are incorporated in the draft guiding principles.
280	**Collaborating in innovation**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Where is the playground where people can innovate together to create that circularity for all regions and users to be able to meet the targets set out by regulators? – this should exits somehow	Innovation and collaborative solutions are incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
281	**Lessons learned**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Matters to be a learning organization (Metro Vancouver)	Metro Vancouver is learning from interested parties and considering feedback through the solid waste management plan update engagement process.
282	**Solid Waste Management Plan - logistics and implementation**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	The plan doesn't have to do that work, you do the work in the plan	Noted.
283	**Regional standardization of services and practices**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Need baseline regional standards	The concept of consistency is included in the draft vision and guiding principles.
284	**Product materials**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	How are we picking off specific materials in the waste stream that we could target to become zero waste by products	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
285	**Product packaging**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Packaging is the most created waste products – how could you make that stream of waste be zero waste	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
286	**Product materials**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	When making materials – think of highest and best waste	The concept of waste prevention is included in the draft vision and guiding principles.
287	**System change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	What is the highest and best use of the materials and resources?	The concept of waste prevention is included in the draft vision and guiding principles.
288	**Product materials**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Using lithium batteries for birthday cards example – not a good way to use the highest and best use out of the resource of lithium batteries, and creating more waste	Noted.
289	**Equity and Social justice**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Take a step back and look at how we all share earths resources equitably	The concept of equity is included in the draft vision and guiding principles.
290	**Consumption habits/patterns**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Material consumption should be looked at as a whole and how we are doing it regionally as well in the plan	Reducing waste is a key priority of the solid waste management plan. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
291	**Quality of life**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Redefining "quality life". Have that idea of redefining "quality life" come up through climate and biodiversity - on the different levels of community and government	Concepts of livability are part of the board strategic plan and incorporated into the draft vision and guiding principles.
292	**Environmental Stewardship**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Not just waste – interacting with every other aspect of life – what can be done?	Metro Vancouver's solid waste management plan update will focus on managing solid waste, recognizing waste is interlinked with many other aspects of life.
293	**Interconnected network**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Everything is connected if we were going to achieve circular economy	The concept of keeping materials in circulationis included in the draft vision and guiding principles.

Solid Waste Management Plan Vision and Guiding Principles - Feedback Log

No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
294	**Interconnected network**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Look at it as more of an interconnected network of people who can connect materials and resources to connect the resources and to come to a circular economy together by sharing everything like resources and knowledge	The concept of keeping materials in circulation is included in the draft vision and guiding principles.
295	**Accessibility + Equity**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Accessibility	The concept of accessibility is included in the draft vision and guiding principles.
296	**Convenience**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Ease of use	The concept of convenience is included in the draft vision and guiding principles.
297	**Affordability of waste reduction practices**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Low cost – economic climate	The concept of affordability is included in the draft vision and guiding principles.
298	**Accessibility + Equity**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Eliminate barriers	The concepts of inclusivity and reducing barriers are included in the draft vision and guiding principles.
299	**Source reduction**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Fundamentally stuff is made too cheap so people don't value it	Metro Vancouver recognizes that consumption trends contribute to waste that needs to be managed. The concept of accountability is included in the draft vision and guiding principles.
300	**Products/Production**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Should make stuff so that it meets peoples needs but should also be valued	The concept of valuing materials and products is included in the draft vision and guiding principles.
301	**Affordability of products**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Affordability is very important for research as well as product production	The concept of affordability is included in the draft vision and guiding principles.
302	**Sustainable product design**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Talk about procurement – making things cost savings but also have durable products that are passed down to different people or use the product for longer	The concept of valuing materials and products is included in the draft vision and guiding principles.
303	**Products/Production**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	All of the items have a spectrum of uses	Noted
304	**Equity and Social justice**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	EQUITY both locally and globally	The concepts of equity and inclusivity are included in the draft vision and guiding principles.
305	**Community, regional and global collaboration**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Collaboration and honest partnerships would help the new plan	The concept of collaboration is included in the draft vision and guiding principles.
306	**Transparency**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Transparency is important in the new plan	The concepts of transparency and building confidenceare included in the draft vision and guiding principles.
307	**Waste Reduction/Prevention**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Cut out carbon emissions from the new plan – not burning garbage	Greenhouse gas reduction is included in the draft vision and guiding principles.
308	**GHG/Carbon emission reduction**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Public wants transparency – people appreciate and want it – because there is suspicion around the participation of the waste systems	The concepts of transparency and building confidence are included in the draft vision and guiding principles.
309	**Continuous engagement and communication**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Should be a conversation with residents and businesses in the region to eliminate the suspicion that they hold	The concepts of transparency and building confidence are included in the draft vision and guiding principles.
310	**Trust-building through transparency**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Public does not react well to the "cover up" assumption from government and regulators	The concepts of transparency and building confidence are included in the draft vision and guiding principles.
311	**Transparency**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Difference between green washing and green marketing is not much different from each other – both have the same issues	The concepts of transparency and building confidence are included in the draft vision and guiding principles.
312	**Data integrity**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Diversion rate is misleading in current plan – counting burning wood is not recycling and should not be counted in the rate	Metro Vancouver's recycling rate is based on the BC Environmental Management Act definition of recyclable material.
313	**Lessons learned**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Metro Vancouver should publicize lessons learned	Metro Vancouver will publish engagement feedback after each phase.
314	**Transparency in waste management processes**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Honesty and say "why" you recycle items and how – transparency to move forward in the recycling process and reduction	The concepts of transparency and building confidence are included in the draft vision and guiding principles.
315	**Connection with the environment**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	The way we are changing and the way we interact is important in all of this – enhance value of environment space	The concept of environmental stewardship is incorporated into the draft vision and guiding principles.
316	**Sustainable product design**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	What's next? Continuum of products and solutions	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
317	**Value of the environment**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Enhance value of environment for the people	The concepts of environmental stewardship and valuing and conserving materials and products are incorporated into the draft vision and guiding principles.
318	**Infrastructure**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Lack of infrastructure to support circular economy industries	Improving the local infrastructure has been noted as a key issue/opportunity.
319	**Infrastructure**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Accessibility to be able to have the infrastructure for a circular economy	The concepts of accessibility and keeping materials in circulation are incorporated into the draft vision and guiding principles.
320	**Cost Management/Financial Sopport**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Need support from governments and regulators for circular economy infrastructure and not just initiatives and programs	The concept of keeping materials in circulation is incorporated into the draft vision and guiding principles.
321	**Managing waste locally**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Local use of local "waste" resources is needed	Building capacity has been incorporated into the Idea Generation discussion questions. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
322	**Re-use items in landfills**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	How do we make sure those items in the landfill can be reused and taken out of the landfill?	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
323	**Re-use items in landfills**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Reclaim materials already in landfill	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
324	**Source reduction**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Time to stop focusing on the high hanging fruit – every item needs to have a solution for its recycling and waste options (or to not need to be recycled or waste)	Noted. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis
325	**Waste Reduction/Prevention**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	If you focus on the most challenging things, the less challenging's things will be able to fall under that	Noted. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis
326	**Waste hierarchy**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Challenging things – waste hierarchy and waste items	Metro Vancouver intends to incorporate some form of the waste hierarchy into the updated solid waste management plan.

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327	**Cost Management/Financial Sopport**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Start at top of hierarchy – providing money and resources	Metro Vancouver intends to incorporate some form of the waste hierarchy into the updated solid waste management plan.
328	**Cost Management/Financial Sopport**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	All about money in the current system	The concept of affordability is incorporated into the draft vision and guiding principles.
329	**Cost Management/Financial Sopport**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Spending money to burn our resources rather than spending at the top and supporting municipalities with money and resources to reduce their waste and have a consistent system	Metro Vancouver is responsible for managing remaining waste after waste reduction and recycling. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
330	**Cost Management/Financial Sopport**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Spend more money and resources for MV – how do they do this ?	Metro Vancouver's solid waste services budget must be approved by the Greater Vancouver Sewerage & Drainage District Board.
331	**Behavioral change campaigns/ promoting responsible behaviors**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Only have behaviour change campaigns	Metro Vancouver's external relations division currently runs multiple solid waste focused behaviour change campaigns.
332	**Waste hierarchy**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	What would it look like to start at the top of the hierarchy	The concept of prioritizing waste prevention and reduction is incorporated into the draft vision and guiding principles.
333	**Innovation and Technology in Waste Management**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Promote other governments innovation and updating plan management	The concept of innovation is incorporated into the draft vision and guiding principles.
334	**Partnership with various levels of government**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Collaborate with all levels of governments/ private businesses and individuals	The concept of callaboration is incorporated into the draft vision and guiding principles.
335	**Enforcement of regulations**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Regulation and enforcement needs to be increased through MV	Regulation is one of several tools that can be used to to achieve solid waste management plan goals. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
336	**Regulation and policy development**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Regulation and enforcement – people could make money off of reuse and reduction efforts if it was stronger	The concept of focusing on waste prevention is incorporated into the draft vision and guiding principles.
337	**Regulation and policy development**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	What is currently done is not enough for regulation and enforcement	Regulation is one of several tools that can be used to to achieve solid waste management plan goals. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
338	**Policies for recycling facilities and landfills**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	License and audit recycling facilities – to reduce fraud on what is actually being recycled	The concept of building confidence in the system and providing transparent information has been incorporated into the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
339	**Health impact**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Centring human and environmental health – toxins in products	The concept of environmental stewardship is incorporated into the draft vision and guiding principles.
340	**Sustainable product design**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Design for the environment for products	The concept of accountability for waste producers is included in the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Option
341	**Cost Management/Financial Sopport**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Idea of the rebalance of energy and resources of funding and resources and support to be able to achieve the circular economy	The concept of keeping materials in circulation is incorporated into the draft vision and guiding principles.
342	**Interconnected network**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Reuse days does not cut it	Noted. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis.
343	**Product materials**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	How to reprioritize the aspects of the system on how to create more of a circular economy approach	The concept of keeping materials and products in circulation incorporated into the draft vision and guiding principles.
344	**Equity and Social justice**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Current system does not support reuse as it is	Noted. Specific ideas on reuse actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis.
345	**Metrics - evaluation and measurement**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	How would MV measure reuse, repair, the other form of diversion? Based on the currently systems that we have	Metro Vancouver is investigating ways to improve and expand upon current performance metrics.
346	**Promotion and awareness of re-use**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	promote the circular economy to the residents and about reuse repair and this could be a part of the circular economy	The concept of keeping materials and products in circulation incorporated into the draft vision and guiding principles.
347	**Reduce, Reuse, and Recycle (3Rs)**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	need more Rs not just 3 (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.)	Metro Vancouver currently follows the 5Rs framework for solid waste management as recommended by the BC Ministry of Environment and Climate Change Strategy. Expanding to 9Rs will be considered in future phases of plan development.
348	**Zero Waste**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	People go to the default behaviour (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.)	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
349	**Diversion**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	diversion is the ultimate goal of all this work	Expanded metrics that go beyond recycling rates will be explored in future phases of plan development.
350	**Reduce**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	how do we reduce in the first place (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.)	The concept of waste prevention is included in the draft vision and guiding principles.
351	**Product standards/regulations**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	People are curious what is the end-fate	The concept of transparency is incorporated into the draft vision and guiding principles.
352	**Metrics - evaluation and measurement**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	What you measure is important (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.)	Metro Vancouver's current statistics are based on definitions in the Environmental Management Act. Expanded metrics will be explored in future phases of plan development.
353	**Penalties**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	make things easier (especially in MF for example – its okay if its hard there so how what else can we do). If you can't get it done perfectly you can accept that and find a technology or innovation that can get solve the program	The concept of convenience is included in the draft vision and guiding principles.

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354	**Product materials**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	focus on high impact areas	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
355	**Metrics - evaluation and measurement**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	How many bins is too many – 20 bins? (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.)	The concept of convenience is included in the draft vision and guiding principles.
356	**Metrics - evaluation and measurement**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	What is the social norm? (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.)	Noted. Considering the social norm can help to develop behaviour change campaigns that are effective for specific audiences. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
357	**Source reduction**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	What is the root cause? (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.)	Noted. Considering the root cause can help to address issues. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
358	**Penalties**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	North America is very wasteful – need to think about human nature – can we target young people (older people are more inflexible)	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan. Information on target audiences is considered in developing campaigns.
359	**Consumer choice**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Consumer attitude matters. End of use/end of life means the same thing to some people. People that are more engaged know that end of use is different that end of life	Noted.
360	**Awareness of environmental impact**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Education is need to help people see the end of use options	The concept of transparency is incorporated into the draft vision and guiding principles.
361	**User-friendly waste management systems**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	options for end of use need to be easier than options for end of use (everything in the garbage)	The concept of convenience is included in the draft vision and guiding principles.
362	**Engagement, education and behavior change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Buy-nothing groups are free (not everyone knows about them)	The concept of individual accountability is incorporated into the draft vision and guiding principles.
363	**Affordability of waste reduction practices**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	cost is a motivator (pay as you throw) where as the other options need to be easy and free	Incentives are one of several tools to encourage accountability. The concept of accountability is incorporated into the draft vision and guiding principles.
364	**Circular jobs**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	build the 3Rs economy to create job	The concept of building a vibrant economy that keeps materials and products in circulation is incorporated into the draft vision and guiding principles.
365	**Empower people**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	empower marginalized people	The concepts of inclusivity and equity are incorporated into the draft vision and guiding principles.
366	**Interconnected network**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	shared responsibility of individual and industry	The concepts of accountability and collaboration are incorporated into the draft vision and guiding principles.
367	**Accountability**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	industry needs to take responsibility	The concept of accountability is incorporated into the draft vision and guiding principles.
368	**Diversion**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	diverting as much material as possible	Recycling as much material as possible of what's remaining in the waste has been identified as a key issue/opportunity. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis.
369	**Sustainable product design**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	we need more circular products	The concept of keeping materials in circulation is incorporated into the draft vision and guiding principles.
370	**Packaging material**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Connection with others (acceptance in "the tribe") (In response to The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?)	Noted. The concept of inclusivity is incorporated in the draft Vision and Guiding Principles.
371	**GHG/Carbon emission reduction**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Mobility and accessibility – need to have recycling downtown so you don't need a car to get to the recycling drop-off	The concepts of accessibility and convenience are incorporated into the draft vision and guiding principles.
372	**Individual responsibility/impact**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	convenient for recycling right-out-side your door for non-typical products that are not accepted in the	The concept of convenience is included in the draft vision and guiding principles.
373	**Value of the environment**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	equitable service across the region (residents in different communities have different services, multifamily vs single family)	The concepts of equity and inclusivity are included in the draft vision and guiding principles.
374	**Reduce organics waste**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	increase organics and recycling frequency	The concept of convenience is incorporated into the draft vision and guiding principles.. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
375	**Landfills**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	clear bags for garbage so that people reduce their garbage through social norms	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
376	**Environmental Stewardship**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Accessibility is the first step to make it possible for people to recycle	The concept of accessibility is included in the draft vision and guiding principles.
377	**System change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Accessible, visible, easy to use (more affordable, education, systems change, behaviour change – nothing is easy you need to do it all to make the changes)	The concepts of accessibility and ease of use are incorporated into the draft vision and guiding principles.
378	**Public perceptions and attitudes**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	we need to make recycling cool and existing-needs to be lead by the influencer in communities	Metro Vancouver regularly collaborates with influencers for behaviour change campaigns
379	**Relevance for the indigenous communities**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	culturally relevant - different cultures have different motivators for reducing, recycling	The concept of inclusivity is incorporated into the draft vision and guiding principles.
380	**Relevance for the indigenous communities**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Needs to be relevant to what people care about – money, kids, health, politics climate action (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?)	Noted that motivation is key to participation. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
381	**Metrics - evaluation and measurement**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	better measurement for the entire waste hierarchy to get them there	Metro Vancouver is exploring expanded metrics for an updated solid waste management plan
382	**Engagement, education and behavior change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Show them what they are doing (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?)	Noted. The concept of transparency is incorporated in the draft Vision and Guiding Principles
383	**System change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	need to fix the system	The concept of resilience of the solid waste management system is incorporated into the draft vision and guiding principles.

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384	**System change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Remove systemic barriers – eg when the zero waste conference at the convention system ended up in the compost because that is the conference default. (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?	The concepts of accessibility and inclusivity are incorporated into the draft vision and guiding principles.
385	**User-friendly waste management systems**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Consistency of sorting and simplicity: it needs to be easy to find easy solution for things like soft plastics.	The concepts of convenience and consistency are incorporated into the draft vision and guiding principles.
386	**Re-use**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Conservation: you don't want the product to be destroyed. You want it to be protected and reused.	The concept of keeping materials in circulation is incorporated into the draft vision and guiding principles.
387	**Product packaging**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	When you buy something, you're buying the packaging too. People need to understand that before purchasing it.	Noted. Education is an important tool for achieving solid waste management plan goals.
388	**Re-use**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	A while ago, getting rid of things and not littering was a success story. Then it was sorting and recycling. Now its about reuse and reduction and repair. We need to shift our funding and resources to reuse and refillables.	Metro Vancouver's updated solid waste management plan will prioritize waste reduction.
389	**Behavioral change campaigns/ promoting responsible behaviors**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	From working with residents in the community, working on reducing greenhouse gases, what a lot of people say is "oh I recycle". For the public recycling is the check box. We need the public to understand that reuse and reduction is the goal, and recycling is the bare minimum.	Metro Vancouver's updated solid waste management plan will build on the success of the existing plan.
390	**Sorting**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	When you go to a construction and demo site, if they get busy and they are using an excavator that wood might end up in the wrong area. If you take your time and don't use an excavator there is more chance that it will be sorted better.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
391	**Waste-related environmental risks**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	The way this question is asked is that it is designed for people that have time. When buying a shirt, it is better if people spend more money buying one shirt that you wear for along time. A lot of people are busy and might not have time to do all the research to find out which shirt is best or how to properly reuse or recycle.	The concept of convenience is incorporated into the draft vision and guiding principles.
392	**Climate change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Do we need certain types of plastics like Styrofoam? Perhaps we should be looking at manufacturing 2 or 3 different types of plastics, and increase the quality of materials that are available. For example, the technology developed by Sonos you don't need oil by products for a lot of products.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
393	**Subsidies for Sustainable Practices**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Sometimes it costs more to be ecofriendly. How do we implement policies that will make it cheaper for eco friendly materials? It can also cost to pay for recycling. How can we make it easy for people to recycle but also to make sure that it doesn't cost too much for people to recycle things like mattresses? Sometimes recycling is a privilege.	The concept of affordability is incorporated into the draft vision and guiding principles.
394	**Climate change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Make more high-quality materials and less. Maybe consumers should have to pay more for single use items upon purchase to make it equal to reusable options.	The concept of accountability is incorporated into the draft vision and guiding principles.
395	**Re-use**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Prioritize reuse and repair over recycling.	Metro Vancouver's updated solid waste management plan will prioritize waste reduction, reuse and repair over recycling
396	**Packaging material**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	To have a circular economy, there needs to be a sense of community. Now we have beehives, community gardens that bring the community together. These are great. We need to bring along people to join the community.	The concepts of collaboration and keeping materials in circulation are incorporated into the draft vision and guiding principles.
397	**Re-use**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	We need to shift resources towards reusable ideas. Education, community, transparency.	The concepts of transparency and waste prevention are incorporated into the draft vision and guiding principles.
398	**10 Emerging Themes**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Transparency and accountability. We need set targets quarterly, not every 10 years. We need to share data with public to empower them to do the right thing.	The concepts of transparency and accountability are incorporated into the draft vision and guiding principles.
399	**Sorting**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	For food waste specifically, some people and companies still don't compost properly. Getting things in the right bin is basic information but some people still don't do it correctly.	Recycling and composting more of what is remaining in the garbage has been identified as a key issue/opportunity.
400	**High density neighbourhoods**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	For higher density buildings, there needs to be systems in place to make people do the right things.	The concept of convenience is incorporated into the draft vision and guiding principles.
401	**Green/Fish waste**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Carbon footprint waste is only 3% because it only considers scope 1 and 2. But we need to look at the carbon footprint from making the products, extraction, distribution. The province is starting to look at embodied carbon.	The concepts of climate action and greenhouse gas reduction which may include scope 3 emissions are incorporated into the draft vision and guiding principles.
402	**Equity and Social justice**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	oC losed loop systems. Designing systems to be closed loop instead of linear. Reuse being the ultimate closed loops, followed by recycling. oP rocesses close to source. Reuse is the ultimate close to source system. Composting can have a backyard composting system. oConservation of energy. The amount of energy that can be save though reuse. Burning waste is counter to this. You lose all the materials when you burn it. And also tracking the energy upstream of manufacturing products. For example, the carbon benefit of compositing is much smaller than actually preventing the materials from being made in thefirst place.	The concepts of conserving resources and keeping materials in circulation are incorporated into the draft vision and guiding principles.
403	**Continuous engagement and communication**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	oE ngaging with the community. Repair cafes, reuse systems, engaging with the community.	The concept of collaboration and keeping materials in circulation are incorporated into the draft vision and guiding principles.
404	**System change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Highest and best use. Even though you can recycle a cardboard box, can you not reuse it for something else. Food waste systems (human consumption, animal consumption, compost). oG athering information so that you can provide that something is the best path forward. oM aterials are resources.	Metro Vancouver currently follows the 5Rs waste hierarchy and intends to incorporate some form of the hierarchy into an updated plan. The hierarchy places emphasis on highest and best use first.
405	**Waste processing standards**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Minimizing discharges. Want to make sure things aren't being discharged into the environment. Make sure you're not contaminating the air. The stuff that we landfilled 30 to 40 years ago can come up and the leachate can migrate from the landfill to the water.	The concepts of environmental stewardship and preventing waste are incorporated into the draft vision and guiding principles.
406	**Waste-related environmental risks**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	If you had a general store that had products made in North America, then people don't have to take as much time to research. There can be more done so that consumers don't spend as much time on research.	Noted.
407	**User-friendly waste management systems**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Making sure things are understandable and in laypeople's terms.	The concept of simplicity is incorporated into the draft vision and guiding principles.

Solid Waste Management Plan Vision and Guiding Principles - Feedback Log

No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
408	**Affordability of waste reduction practices**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Problem of Champaign environmentalism. Catering environmental solutions to people who only financial resources to do it. Sometimes certain environmentally friendly options are not accessible. For example, some things like zero waste soaps are super expensive.	The concepts of accessibility and inclusivity are incorporated into the draft vision and guiding principles.
409	**Affordability of waste reduction practices**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Back in the day, the Pop Shop was very inexpensive. The pop shop you could refill. If things are mainstream then it is cheaper. Bulk used to be cheaper. Education and engagement.	Noted. The concept of a vibrant economy where materials are kept in circulation is incorporated into the draft vision and guiding principles.
410	**Environmental Stewardship**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Accessibility is very important. Make sure reuse systems are accessible.	The concept of accessibility is included in the draft vision and guiding principles.
411	**Durability/longevity of products**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	The actual costs of waste are not internalized in the products. If I want to buy a durable plate the climate impacts are internalized in the costs then reuse will be viable.	The concept of corporate accountability is incorporated into the draft vision and guiding principles.
412	**Equity and Social justice**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Equity and reconciliation. Multilanguage and education. Not everyone knows what composting is, or why we should recycle and reuse.	The concept of equity is included in the draft vision and guiding principles.Reconciliation is an important strategic direction for Metro Vancouver's Board and is as important to plan development as the vision and guiding principles.
413	**Storytelling**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Storytelling is also important to make things real in the sector so people can see how they fit in.	Noted. Metro Vancouver's draft vision and guiding principles are meant to be accessible to all audiences.
414	**Financial Constraints on Waste Reduction**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Government should support the education piece. Trying to set up community bulk purchasing. Going back to developing countries, a lot of people are buying single use because they can't afford the higher quality reusable options. In the long run, bulk systems can help reduce costs.	Noted. Incentives are a potential action that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
415	**Recycling infrastructure improvement**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	In France, grocery stores had bins. How can we make bulk compulsory for grocery chains? With the climate emergency, legislation needs to be implemented.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
416	**Penalties**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	If time is of the essence, and we have been using the carrot, when do we start using the stick?	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
417	**Regulation and policy development**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Have to use bylaws to make things happen.	Regulation is one of several tools that can be used to to achieve solid waste management plan goals. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
418	**Product design**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	The question presupposes that there is waste created- we should back this up to the point of product design.	The concept of waste prevention is included in the draft vision and guiding principles.
419	**Product design**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Did I need this thing?" Asking this question before purchasing would help reduce waste.	The concept of individual accountability to prevent waste is incorporated into the draft vision and guiding principles.
420	**Providing Information on Product Materials**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Transparency. This would help deter peoples behaviour in the first place. E.g. If I knew coffee cups were problematic, I might bring my own mug more.	The concept of transparency is incorporated into the draft vision and guiding principles.
421	**Convenience**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Convenience. Recycling needs to be convenient for the general public.	The concept of convenience is incorporated into the draft vision and guiding principles.
422	**Equity in information and education**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Accessibility. Having the education and understanding of the system be accessible to all. -	The concept of accessibility is included in the draft vision and guiding principles.
423	**Trust-building through transparency**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Trustworthiness. Solid waste is a complex topic and people have a lot of information coming from different sources.It's important that the truthfulness of the message can be trusted.	The concept of transparency is incorporated into the draft vision and guiding principles.
424	**Transparency**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Truthfulness.	The concept of transparency is incorporated into the draft vision and guiding principles.
425	**Individual responsibility/impact**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Reduce Complexity. Combat "decision fatigue".	The concept of simplicity is incorporated into the draft vision and guiding principles.
426	**Production costs**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Innovation. There needs to be a competitive market to drive innovation.	The concept of innovation is incorporated into the draft vision and guiding principles.
427	**Cost effictiveness in waste practices**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Cost Effectiveness. Consider time frame in cost effectiviness- what's cost effective in the short term may not be cost effective in the long term.	The concept of affordability is incorporated into the draft vision and guiding principles.
428	**System change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Think Long Term. This is a crucial 10 year period, and what we plan to do now will shape the future.	The solid waste management plan will guide our actions for the next 10 years and beyond.
429	**Equity and Social justice**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Diversity, Equity and Inclusion	The concepts of diversity, equity and inclusion are incorporated into the draft vision and guiding principles.
430	**Relevance for the indigenous communities**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Cultural Sensitivity - Waste reduction may not be somebodys priority. There may be cultural pressures about consumption or cultural practices that appear wasteful, but shouldn't be 'shamed' or you risk alienating that audience (e.g. preparing food in excess for cultural celebrations). Consider those who are food insecure, those who don't think about recycling, those who haven't had access to education. Give people a safe space to ask questions.	The concepts of equity and inclusivity are incorporated into the draft vision and guiding principles.
431	**User-friendly waste management systems**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Simplify regulatory framework to encourage innovation - The current regulatory framework, including permitting and zoning, makes innovation and technological advancement difficult and complicated. The process is also very slow. This creates uncertainty and makes it difficult to invest. Innovative solutions don't "fit into a box". The regulatory framework should be responsive to change.	The concept of innovation is incorporated into the draft vision and guiding principles.
432	**Circular economy**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	reuse economy, repair economy, innovation, technical innovations and habit innovations.	The concept of innovation to create a vibrant economy is incorporated into the draft vision and guiding principles.
433	**Accessibility + Equity**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Accessibility, has to be easy and cheaper and local, seen local several times, quite important	The concept of accessibility is included in the draft vision and guiding principles.
434	**System change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Global footprint, climate footprint, biodiversity and impacting other people, sustainable development goals, think about how we impact the broader group	The concepts of climate action and environmental stewardship are incorporated into the draft vision and guiding principles.
435	**Waste Generation**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Currnt targets align with SDGs, how waste being generated, how achieve climate goals	Specific targets will be explored in future phases of the plan development- particularly Options Analysis.
436	**Packaging material**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	idea is how what we're doing affecting other regions around the world, how does the way we're treating materials affects other regions, the way things are extracted and used, connections between the system	Metro Vancouver's solid waste management plan is specific to the region but reducing waste has far reaching positive implications.

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437	**Incentives for consumers**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Consumerism, effects of climate change, when checking boxes as an organization you may purchase materials like AC and the procurement is not given any thought, say if materials come from China, price shouldn't be the only consideration, especially when we're selling the raw materials overseas and then receiving the product back there's many emissions	Specific ideas
438	**Regulation and policy development**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	See many individual concrete initiatives, see many enablers, the activities that happen behind the scenes that allow us to exist innovations supported by regulations is important, need enablers to innovate, removing barriers to enable people to recycle, important to build out	The concept of innovation is incorporated into the draft vision and guiding principles.
439	**Regulation and policy development**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	To get at any of this you need a regulatory framework that's conducive to achieving anything we're talking about	Regulation is one of several tools that can be used to to achieve solid waste management plan goals. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Ana
440	**Awareness of environmental impact**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	fundamentally the people are creating the waste need to be aware of the waste they're making, the site we went to was very clean, everything we send is taken care of but that's not the case, may seem like we're on track to be the first zero waste area in the world but can only happen if people are aware of the waste they're making, only if they see the straw in the turtle's nose will they realize	The concept of transparency is incorporated into the draft vision and guiding principles.
441	**Continuous engagement and communication**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	transparency and communication leads to awareness, can we do a better job of communicating, yes we're collecting but less markets so needs to be diverted to WTE instead, need to make sure we're still having those conversations and supporting people to meet them where they are so they can have access	The concept of transparency is incorporated into the draft vision and guiding principles.
442	**System change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	As we go down the path of circular economy we need these "enablers", we have 65% recovery but can do much better, we really gotta try to achieve that and create mechanisms so we can achieve that, could be communications awareness and regulatory framework, need the ability to reach these bold goals, need metrics to measure to improve progress	Education is one of several tools that can be used to achieve solid waste management plan goals.
443	**Long-Term Investment**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Need more alternative products so that companies can purchase more sustainable options, looking at subsidizing these options to reduce the financial barrier	Financial incentives are one of several tools that can be used to achieve solid waste management plan goals.
444	**Re-use**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Tie in with acknowledging the limitations of the recycling system and focusing on moving higher up because even if something is recyclable doesn't mean it isn't reusable first, moving resources towards the top of that hierarchy	Metro Vancouver currently follows the 5Rs waste hierarchy and intends to incorporate some form of the hierarchy into an updated plan. The hierarchy places emphasis on highest and best use first.
445	**Individual responsibility/impact**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Q2: more general discussion, everything needs to be easy and affordable, need to make recycling policies more accessible to everyone, pros and cons of convenience, end of life vs end of use, mentioned an organization called the buy nothing group, change habits, how we heard about the Binners Project and want to create jobs to sort garbage better when gets to landfill,	The concepts of affordability, accessibility and convenience are incorporated into the draft vision and guiding principles.
446	**Feasibility and Effectiveness**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	having more circular products and better systems, staying culturally relevant as North Americans tend to be more self-interested ,	The concept of keeping materials in circulation is incorporated into the draft vision and guiding principles.
447	**Reduce, Reuse, and Recycle (3Rs)**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	what is happening with all the Rs, systemic barriers	The concepts of inclusivity and removing barriers are incorporated into the draft vision and guiding principles.
448	**Public perceptions and attitudes**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Q3: priorities in people lives like entertainment, huge priority for people is not only surviving in everyday life but enjoyment, want to tie that to this	The concepts of inclusivity and accessibility are incorporated into the draft vision and guiding principles.
449	**System change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Q2: transparency convenience, trustworthiness, touch on maybe something haven't heard yet, what could be better than it is today is everything, very much want to revamp the system, develop the function of patchworking the system, the system doesn't really represent anything that's happening in the system, huge fluctuation in the population and what's happening in the system, that impacts so many different things, need to look at policy so not being held back by so many potential problems, no malintention from previous policy makers but living in a new time now	The concepts of convenience and trustworthiness are incorporated into the draft vision and guiding principles.
450	**User-friendly waste management systems**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Q2: consistency and simplicity of messaging, education for the consumers and storytelling piece,	The concepts of consistency and simplicy are incorporated into the draft vision and guiding principles.
451	**10 Emerging Themes**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	transparency and accountability primarily for where the waste is going at the end and where the end markets are, consumers need to understand those systems, in	The concepts of transparency and accountability are incorporated into the draft vision and guiding principles.
452	**Climate change**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	vesting in quality materials over large quantities, making poor quality materials more expensive to deincentivize their use	Financial incentives are one of several tools that can be used to achieve solid waste management plan goals.
453	**Financial Equity**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Q3: focused around financial equity, champagne environmentalism where many waste solutions are expensive and not accessible for modest/low income groups, simplicity in language and recognizing that not everyone has background of being zero waste expert, being able to access recycling in all languages, importance of lands we occupy and keeping them healthy and regenerative	The concepts of equity and accessibility are incorporated into the draft vision and guiding principles.
454	**Product materials**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Q4: recognize the value of locally and regionally produced materials and packaging,	Noted.
455	**Multi-lingual support**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	multi-language solutions,	The concept of inclusivity is incorporated into the draft vision and guiding principles.
456	**Global Equity**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	storytelling piece and highlight to allow people to invest in the why, why is recycling important, where did materials come from, why are they here in the first place, meeting communities where they are, going back to equity/education piece as not everyone is coming from experience of being an expert,	The concepts of equity, inclusivity and individual accountability are incorporated into the draft vision and guiding principles.
457	**Regulation and policy development**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	updating policies at a government level to make it easier to recycle	Regulation is one of several tools that can be used to to achieve solid waste management plan goals. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Ana
458	**Packaging material**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Q2: conversation was between individual and being individual in a system,	The concept of individual accountability is incorporated into the draft vision and guiding principles.
459	**Packaging processing**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	system needs to empower individuals to make decisions, ability to know that something is actually recyclable, harmonizing systems across regions,	The concepts of consistency and individual accountability are incorporated into the draft vision and guiding principles.
460	**Source reduction**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	designing out waste,	The concepts of preventing waste and innovation to keep materials in circulation are incorporated into the draft vision and guiding principles.
461	**Production costs**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	supporting innovation, highest/problematic waste and focusing on that,	The concept of innovation is incorporated into the draft vision and guiding principles.

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462	**Affordability of waste reduction practices**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Q3: spectrum of needs, affordability/accessibility important for some, but may be able to afford more durable product that can last,	The concepts of affordability and accessibility are incorporated into the draft vision and guiding principles.
463	**Packaging material**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	conversation and collaboration, all part of these different systems but want to be able to go on journey together and be open about all our values and navigate journey together,	The concept of collaboration is incorporated into the draft vision and guiding principles.
464	**Waste reduction standards**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	enhancing the value of the environment	The concepts of environmental stewardship and valuing resources are incorporated into the draft vision and guiding principles.
465	**Waste hierarchy**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Q4: facilitate top down action rather than bottom up, push up the waste hierarchy, facilitate systems to facilitate transfer of waste around the region, recycled resources need to be able to be remanufactured,	Metro Vancouver currently follows the 5Rs waste hierarchy and intends to incorporate some form of the hierarchy into an updated plan. The hierarchy places emphasis on highest and best use first.
466	**Penalties**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	centering human and environmental health, interplay between material characteristics and how individuals interact with those materials,	The concepts of environmental stewardship and a thriving region are incorporated into the draft vision and guiding principles.
467	**Innovation and Technology in Waste Management**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	investing in infrastructure, much innovation is off of startups and small organizations so needs to start higher	The concepts of innovation and strengthening infrastructure are incorporated into the draft vision and guiding principles.
468	**Recycling Revnenue**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Revenue from recycled materials is necessary to reinvest,	Financial incentives are one of several tools that can be used to achieve solid waste management plan goals.
469	**Waste-to-energy**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	WTE is very expensive to start up and by doing so eliminate other opportunities that money could've been used for	Noted.
470	**Recycle**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Recycling rates are 65%, why not at 80%?	PH: 80% target was an aspirational target, want to continue to work towards it but each additional percent point is extremely challenging, still types of waste in the stream that we can target, getting to 80% is not simple
471	**Organics**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	But is there a report to say something like we've seen organics that's a lowhanging fruit and this is what we're gonna do about it	PH: Series of projects. For example have alternative fuel projects where have lots of wood that we collect so have project to recycle, similar project for bottom ash from WTEF to move to recycling, new ideas from SWMP Update will help us go further
472	**Metrics - evaluation and measurement**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Great to set targets but better to measure progress, how do we make sure that we're on track on a quarterly basis	Specific targets will be explored in future phases of the plan development- particularly Options Analysis.
473	**Re-use**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	in terms of monitoring, heard on the tour that there are reuse options at the RWCs for bicycles? Will that be a fourth line on the chart we saw to measure reuse? Is that included in other regions and areas o	PH: We include an estimate of the amount of reuse in the region in the annual report but not in the diversion rate, already tracking reuse though
474	**Re-use**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	Just wondering as interesting to hear about alternative fuels but any action to reuse the wood not just burn?	PH Alt fuels project focused on manufactured wood so not really suitable for reuse, some municipalities are doing demolition bylaws which are looking to reuse clean wood but wood at our facilities are manufactured and not suitable for reuse
475	**Metro Vancouver - Vision and role & responsibilities**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	How is MV supporting these deconstruction bylaws?	MV acts as a platform for info sharing and for solid waste we have REAC SWSC and MWRCC which acts as platform for info sharing for municipalities which are responsible for those bylaws
476	**Solid Waste Management Plan - logistics and implementation**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	What's the next step for putting this together? Is MV gonna draft and send and we can provide feedback?	Going to be ongoing process and will be engaged throughout the whole timeline
477	**Solid Waste Management Plan - logistics and implementation**	Workshop	Public and Technical Advisory Committee (PTAC)	28-Apr-23	Metro Vancouver Advisory Committee	what's the expected timeline for finalizing of the plan?	Expect around 2-3 years, hoping to be done in 2-3 years and having these interactions is more important than a short process
478	**Waste-to-energy**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	New Westminster is specifically interested in development of new wasteto-energy or clean energy projects (e.g. for Royal Columbian Hospital)	Noted.
479	**High density neighbourhoods**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	and waste collection solutions for high density neighbourhoods	Noted.
480	**Organics**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	City of Burnaby is interested in an organics processing facility but this is currently shelved.	Noted.
481	**High density neighbourhoods**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	Also interested in figuring out waste collection solutions for higher density neighbourhoods	Noted.
482	**Source reduction**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	City of Vancouver focusing on circular waste and is launching zero waste demo sites under the Vancouver Economic Commission (VEC) Project Greenlight.	Noted.
483	**Consumption habits/patterns**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	VEC is also working on research and policy for supporting the circular economy, with a particular focus on food waste and policy required to build supporting infrastructure.	Noted.
484	**GHG/Carbon emission reduction**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	The conversation around the circular economy is not advanced as it could be, particularly with respect to carbon and consumption; doesn't seem to be at the forefront enough – sustainable consumption gets overlooked and is an important piece of climate change. How do we recalibrate consumption patterns?	The concept of keeping materials in circulation is incorporated into the draft vision and guiding principles.
485	**Land use**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	How do circular economy and waste management goals align with land use policies?	All Metro Vancouver strategic plans are informed and guided by the board strategic plan which identifies overarching strategic priorities. Linkages between strategic plans such as Metro 2050 and the Solid Waste Management Plan are discussed as staff develop each plan.
486	**Empower people**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	More work is needed to track circular jobs – and define what is a circular job. Entrepreneurship is an opportunity to commodify waste (waste becomes a commodity that can be resold). Land use could be expanded to include more market opportunities at waste transfer and disposal sites.	Specific targets will be explored in future phases of the plan development- particularly Options Analysis.
487	**Community-driven initiatives**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	How can economic developers do a better job of managing companies and encourage industrial symbiosis? i.e. using one company's waste product as an input/feedstock for another – especially for the big waste producers.	The concept of keeping materials in circulation is incorporated into the draft vision and guiding principles.
488	**Protection of natural resources**	Committee Meeting	Invest Vancouver Advisory Committee (IVAC)	24-May-23	Metro Vancouver Advisory Committee	New Westminster - Natural beauty is prized in the region and is part of our brand. What should be better in the future? What advances and technologies can be used to protect our natural resources which we value?	The concept of valuing resources is incorporated into the draft vision and guiding principles.
489	**Regulation and policy development**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Implement policies to create a level playing field for all waste categories. Materials treated as a commodity. See waste as a resource	Concept of waste as a resource and sustainable resource use is incorporated in the draft vision and guiding principles.

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No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
490	**Extended Producer Responsibility (EPR)**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Landfill bans for EPR materials	Concept of accountability is incorporated in the draft guiding principles.
491	**Source reduction**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Focus on waste reduction and consumption habits.	Concepts around behaviour change, waste reduction, and conservation have been incorporated in the draft guiding principles.
492	**Transparency**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Opportunities and more accountability for the industrial and commercial sectors on waste reduction (e.g. less packaging, C/I EPR programs).	Concept of corporate accountability has been incorporated in the draft guiding principles.
493	**Clarity on terms and definitions**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Clear definition of what is considered recycling (e.g. use of wood as fuel)	Concepts around consistency and transparency are incorporated in the draft guiding principles. Specific ideas on definitions will be considered in future phases of plan development- particularly Idea Generation and Options Analysis
494	**Access to disposal/recycling options**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Improve access to disposal and recycling options (e.g. small/remote communities)	Concepts around accessibility and participation have been incorporated in the draft guiding principles.
495	**Regional standardization of services and practices**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Improve consistency of services across the region	Concept of consistency across the region is incorporated in the draft guiding principles.
496	**Innovation and Technology in Waste Management**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Innovation and technology	Concept of innovation and technology is incorporated in the draft guiding principles.
497	**Recycling infrastructure improvement**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Improve existing/available facilities first	Concepts around long term sustainability and affordability have been incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis.
498	**Services for multi-family residences**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Focus on multifamily sector (e.g. improve sorting and access to recycling)	Concepts around accessibility have been incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
499	**Regulation and policy development**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Planning design implementation for new buildings construction	Concepts around planning for long term sustainability have been incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
500	**Financial Constraints on Waste Reduction**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Real estate pricing and availability in the region. Challenge to expand facilities' capacity	Concepts around government accountability and resiliency has been incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis
501	**Product cycle**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Labour costs	Concepts around collaborative solutions and prosperity have been incorporated into the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Generation and Options Analysis
502	**Landfills**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Landfill capacity	Concepts around planning for long term sustainability have been incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Option Analysis
503	**Reduce, Reuse, and Recycle (3Rs)**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Ensuring the higher use of materials	Concepts around valuing and conserving materials and sustainable resource use have been incorporated in the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
504	**Consumer choice**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Create commodity values	Concepts around reuse and recycling have been incorporated in the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
505	**GHG/Carbon emission reduction**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Low GHG emissions and carbon capture technology	Concepts around reducing carbon footprint and environmental stewardship have been incorporated in the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
506	**Financial Equity**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Landfill mining	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
507	**GHG/Carbon emission reduction**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Gas capture	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
508	**Source reduction**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Responsible reduction of waste	Concepts around waste reduction have been incorporated in the draft vision and guiding principles.
509	**Solid Waste Management Plan - logistics and implementation**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Continue to focus and implement provincial waste hierarchy	Concepts around material reuse and circular economy have been incorporated in the draft vision and guiding principles.
510	**Engagement, education and behavior change**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Education (e.g. to keep recycling material clean, reduce contamination). Challenge to enforce.	Concepts around education and behaviour change have been incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
511	**Source reduction**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Values for waste reduction	Noted.
512	**Convenience**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Improve accessibility and convenience.	Concepts around accessibility and convenience are incorporated in the draft guiding principles.
513	**Product packaging**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Collaboration with different levels of government	Concepts around fostering collaboration are incorporated in the draft guiding principles.
514	**Packaging regulation**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Ensure open market for service providers	Concepts around management practices are incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis

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515	**Investments in green technology**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Supporting new technology (e.g. innovation showcases, rebates/grants from provincial government)	Concepts around innovation and technology are incorporated in the draft guiding principles.
516	**Product materials**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	construction materials, end of life and circular economy -t he effectiveness of reuse -p lastic packaging has increase significantly with plastic wrap, cost and weight of packaging	Concepts around circular economy, reuse, waste reduction, and industry accountability are incorporated in the draft vision and guiding principles. Specific ideas on definitions will be considered in future phases of plan development - particularly Idea Generation and Options Analysis.
517	**Demolition and construction waste**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee		Concepts around circular economy, reuse, waste reduction, and industry accountability are incorporated in the draft vision and guiding principles. Specific ideas on definitions will be considered in future phases of plan development - particularly Idea Generation and Options Analysis.
518	**Reduced plastic usage**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee		Concepts around circular economy, reuse, waste reduction, and industry accountability are incorporated in the draft vision and guiding principles. Specific ideas on definitions will be considered in future phases of plan development - particularly Idea Generation and Options Analysis.
519	**Packaging material**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee		Concepts around circular economy, reuse, waste reduction, and industry accountability are incorporated in the draft vision and guiding principles. Specific ideas on definitions will be considered in future phases of plan development - particularly Idea Generation and Options Analysis.
520	**Access to disposal/recycling options**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	simplify and make recycling easier especially with separation -i ncentivize people rather than penalize	Concepts around accessibility and convenience are incorporated in the draft guiding principles. Specific ideas on definitions will be considered in future phases of development - particularly Idea Generation and Options Analysis
521	**Recycling infrastructure improvement**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	recycling infrastructure is limited, we need more -I ncentivise people to build facilities in the region -M ore plastic recycling	Concepts around fostering innovation and creating a resilient solid waste system are incorporated in the guiding principles.
522	**Waste Recylcing Systems**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	need something like an "Amazon" concept type of recycling service level	Speicfic ideas will be considered during future phases of engagement- particularly Idea Generation.
523	**Affordability of waste reduction practices**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	affordable, convenience	Concepts around affordability and convenience are incorporated in the draft guiding principles.
524	**Waste movement**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	where does it go for recycling or disposal, education, awareness, communication	Concepts around building trust in the system and ensuring the public is well informed are incorporatedin the draft guiding principles.
525	**Community impact**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	cost of living	Concepts around livability and prosperity are reflected in the draft vision statement and the draft guiding principles.
526	**Environmental Stewardship**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	accessibility	Concepts around accessibility are incorporated in the draft guiding principles
527	**Zero Waste**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	livability	Concepts around livability and prosperity are reflected in the draft vision statement and the draft guiding principles.
528	**Source reduction**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	more focus on upstream initiatives to reduce waste rather than at the downstream stage dealing with cups and straws	Concepts around circular economy, reuse, and waste reduction are incorporated in the draft vision and guiding principles.
529	**Products/Production**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	circular economy	Concepts around circular economy are included in the draft vision statement and the draft guiding principles.
530	**Source reduction**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	eliminate at the source -F ocus on local processing -F ocus on local reuse -K eep it simple	Concepts around waste reduction and accountability are incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
531	**Data integrity**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Focus on the truth. Publish real recycling rates. This is the foundation for everything. Metro Vancouver statistics need to become accurate. Tell the truth on recycling statistics for the following reasons: - I f the real recycling rate is actually 35%, then we have 65% opportunity. What is the real opportunity of recycling or diversion? You can only know what the real opportunity is if you know what the real number is. - Concrete skews the number big time. Why do we include burning wood as recycling? - Be the gold standard around the world on transparency and recycling. We need to become the best in transparency. Right now, it's a sham	Concepts around building confidence in data reporting and transparency around what happens to waste in the region are incorporated in the draft guiding principles.
532	**Reduce organics waste**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Regulator cannot be our market competitor. Metro regulates waste management and draws its revenues from it too and this is an obvious problem. North shore transfer station accepts organics.	Concepts around collaborative solutions and prosperity have been incorporated into the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development -- particularly Idea Genration.
533	**Consistency of regulations**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Avoid issue where something is banned one day and not banned the other day. Adhere to the disposal bans. For the organic's disposal ban if they leave the ban in place somebody will figure it out.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
534	**Waste movement**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Regulators should regulate and let the markets drive the outcomes. Regulation is okay. Regulators should set the regulations and let the markets dictate. Markets will drive outcomes. When you let the markets dictate, things happen.	Concepts around collaborative solutions and transparency have been incorporated into the draft vision and guiding principles.
535	**10 Emerging Themes**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Financial accountability and transparency. Oversight related to financial accounting. Coquitlam transfer station cost 100 million and only handles a couple hundred thousand tonnes. This ratio is really bad.	Concepts around transparency and building a resilient solid waste system are incorporated in the draft guiding principles.
536	**Transparency in waste management processes**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Transparency: what is the truth of debt cost and capital.	Concepts around transparency are incorporated in the draft guiding principles.
537	**Packaging regulation**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Material to cement kilns competes with private sector.	Concepts around cooperation and collaboration bewteen groups is incorporated in the draft guiding principles.
538	**Consumer choice**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	If something is not recyclable we shouldn't consume it. Shouldn't have products that cannot be used or needed. You need to have good consumption practices in school. If we don't teach our kids good practices we would have illiterate people.	Concepts around minimizing waste generation and conservation of materials are incorporated in the draft guiding principles.
539	**Consumer choice**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	If consumer knows it is a bad product, then they shouldn't buy it.	Concepts around accountability and education are incorporated in the draft guiding principles.
540	**Waste Processing/Management**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	We don't make the garbage we just manage it in the best way.	Concepts around accountability and education are incorporated in the draft guiding principles.

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No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
541	**Organics**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Should not waive the organics ban. Its been waived for four years.	Concepts around material reuse and circular economy have been incorporated in the draft vision and guiding principles. Specific ideas will be considered during future phases- specifically Idea Generation and Options Analysis.
542	**Continuous engagement and communication**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Consistent communication with the public.	Concepts around transparency, confidence building, and inclusion are incorporated in the draft guiding principles.
543	**Transparency**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Problem with the industry is that it has its share of people that are not truthful and not transparent. Why don't you guys know about the residuals that go out of these MRFs?	Concepts around accountability and building collaborative relantionships are included in the draft guiding principles.
544	**Product Marketing**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Lots of things that don't make sense. Does RecycleBC really get a high recycling rate? None of the stats are accurate.	Concepts around transparency are included in the draft guiding principles. Question about recycling rate: Specific ideas or strategies will be considered during future phases of engagement - Idea Generation and Option Analysis.
545	**Product Marketing**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	At Lafarge there is plastic being sent there with wood and its not right.	Noted.
546	**Transparency**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Speak the truth plainly.	Concepts around transparency had accountability have been incorporated in the draft guiding principles.
547	**Cost effictiveness in waste practices**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Obtain the real recycling rate at the lowest possible cost and lowest carbon footprint.	Concepts around transparency had accountability have been incorporated in the draft guiding principles.
548	**Limits on waste generation**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	It should be cradle to grave. Lowest carbon footprint. Minimize the greenhouse gas emissions.	Climate action and circularity are incorporated in the draft guiding principles.
549	**Financial Constraints on Waste Reduction**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Need to consider the following: capital cost, emissions, property acquisition impacts, highest and best technology.	Concepts around innovation and technology are incorporated in the draft guiding principles.
550	**Reduce organics waste**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	For example, Burnaby proposing to produce an organics facility on a park in a wetland when those tonnes are already being handled. All you're doing is moving it to somewhere else. This is not a good approach.	Noted.
551	**Technology**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Highest and best use of technology. Our Montreal facility is all robots.	Concepts around innovation and technology are incorporated in the draft guiding principles. Specific ideas or strategies will be considered during future phases of engagement- Idea Generation and Options Analysis.
552	**Transparency**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Truth and transparency. Can't build a plan from a false foundation. Positive way to say it is that we are going to be leaders in truth and transaparency. From that people will want to adopt it. Metro Vancouver can be the leader on the new measurement system.	Concepts around transparency had accountability have been incorporated in the draft guiding principles. Specific ideas or strategies will be considered during future phases of engagement- Idea Generation and Option Analysis.
553	**Transparency**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	If we are truthful and transparent we can make constructive change.	Concepts around transparency had accountability have been incorporated in the draft guiding principles.
554	**Product Marketing**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Recycling supply chain audits. For example, don't give a recycler like Merlin Plastics credit for 100% of the stuff they receive in reporting when they create residuals.	Noted. Specific ideas or strategies will be considered during future phases of engagement - Idea Generation and Option Analysis.
555	**Product Marketing**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	1.1 million tonnes of asphalt and concrete. These are all fabrications to make the rates look better.	Noted.
556	**Metrics - evaluation and measurement**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Measurement- Terminology is important	Concepts around transparency had accountability have been incorporated in the draft guiding principles.
557	**Wood**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Wood -What to do with it	Specific ideas or strategies will be considered as part of future engagement phases- Idea Generation and Options Analysis.
558	**Waste Reduction/Prevention**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Waste reduction - This should be a focus of increased funding	Noted.
559	**Financial incentives**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Financial incentives for behaviour change E.g. pay as you throw, eco-fees on products, expanding EPR	Concepts around accountability have been incorporated in the vision and guiding principles. Speicific ideas or strategies will be considered as part of a future phase of engagement - Idea Generation and Options Analysis.
560	**Services for multi-family residences**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Multi-family complexes, Education, Providing space for recycling	Noted.
561	**Fabric, textiles and clothing**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Clothing	Noted.
562	**Waste-to-energy**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Infrastructure, Issues such as landfill closure, WTE capacity	Noted. Specific idea or strategies will be considered during future phases: idea generation and options analysis.
563	**Organics**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Understanding compostables	Noted. Specific idea or strategies will be considered during future phases: idea generation and options analysis.
564	**Eliminate greenswashing**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Eliminating greenwashing	Transparency is part of the draft guiding principles
565	**Limits on waste generation**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Reducing discharges into the environment	Environmental stewardship in incorporated in the draft vision and guiding principles.
566	**Accountability**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Responsible	Noted.
567	**Transparency**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Transparency	Transparency is in the draft guiding principles.
568	**Equity and Social justice**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Continuous re-use	Circularity is reflected in the draft guiding principles.
569	**Feasibility and Effectiveness**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Extending product life	Noted. Product reuse/repair/refurbishment and consumer/manufacturer responsibility are incorporated in the draft guiding principles.
570	**Financial incentives**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Cost - financial incentive	Incentives are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
571	**Waste Processing/Management**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Reverse logistics	Noted.
572	**Access to disposal/recycling options**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Recycling market interests	Recycling markets can be considered in future phases of engagement- Idea Generation and Options Analysis
573	**Circular jobs**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Local meaningful jobs/solutions =	Community benefit and investment initiatives are actions that can be considered in future phases of engagement.
574	**Waste reduction standards**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Better future - what am I going to today that will affect the next generation	Long term planning is the goal of the solid waste management plan.
575	**Transparency**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Transparency	Transparency is part of the draft guiding principles

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576	**Clarity on terms and definitions**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Common terminology - shared interpretation	Concepts around transparency are included in the draft guiding principles- specific ideas and solutions can be brought forward to future phases of engagement.
577	**Limits on waste generation**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Avoiding environmental risk - Try to avoid activities that could potentially produce a liability in the future e.g. liability for using ash in cement	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles which include concepts around climate and stewardship.
578	**Reduced packaging**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Talking to people who live by the facilities, making sure they have a say- eg/composting odour issues.Underrepresented populations that typically don't provide input on these plans, e.g. First Nations	Transparency is reflected in the draft guiding principles. Metro Vancouver is commited to continuing and robust public engagement.
579	**Allocating resources for education at various levels**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Education for all groups	Concept of education is incorporated in the draft guiding principles.
580	**Packaging material**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Looking beyond - interconnectedness with entire lower mainland.	Concept of consistency is represented in the draft guiding principles.
581	**Accessibility + Equity**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Increase funding and discussion of re-use, reduction aspect	Circularity and keeping products in circulation is incorprated in the draft guiding principles
582	**Services for multi-family residences**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Improved recycling in multi-family (organics and recycling)	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
583	**Engagement, education and behavior change**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Consistency/education	Consistency is included in the draft guiding principles.
584	**Feasibility and Effectiveness**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Consider life cycle implications of products	Circularity and keeping products in circulation is incorprated in the draft guiding principles
585	**Landfills**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Landfill capacity. Difficulty with NIMBY	Long term planning is the goal of the solid waste management plan.
586	**Waste-to-energy**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	WTE – what is the life span	Question noted.
587	**Product packaging**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	packaging package is being targeted, but what about the rest of it?	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
588	**Access to disposal/recycling options**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	design for recycling is important	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
589	**Global collaboration/Alignment with global policies**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	how can we influence this at an international level. Part global collaboration	Noted.
590	**Product packaging**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	marketing side of packaging is the driver for brands not recycling	Accountability for manufacturers and consumers is incorporated in the draft guiding principles
591	**Circular economy**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Get closer to the circular economy	Circularity and keeping products in circulation is incorprated in the draft guiding principles
592	**Waste movement**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	not touching the natural resource. Eg we are depleting aggregates as it is the most used material on earth. All the resources around the cities need to be protected by policies.	Environmental stewarship is included in the draft guiding principles.
593	**Regional standardization of services and practices**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	Federal and provincial level carrots and sticks that minimize virgin over reuse and recycling. Good example is the organics disposal ban which helped move the materials.	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
594	**Incentives**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	need incentive and ingenuity around how to get good alternatives	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
595	**Investing in innovation infrastructure**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	promoting facilities and ingenuity to design	Noted.
596	**Reduced packaging**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	eliminate unnecessary packaging for things like tomatoes in plastic	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles which include concepts around climate and stewardship.
597	**Regulation to enable innovation**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	government regulation which allows innovation and in ban open competitive	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
598	**Cost effictiveness in waste practices**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	cost competitive	Noted.
599	**Convenience**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	easy access for recycling – somewhat convenient for the consumer	Convenience is reflected in the draft guiding principles
600	**Recycling infrastructure improvement**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	land zoning (it is impossible to build facilities)	Noted
601	**Local repair and reuse programs**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	right to repair	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles which include concepts around climate and stewardship.
602	**Electronic waste**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	universal charger	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles which include concepts around climate and stewardship.
603	**Environmental Stewardship**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	accessibility of options for reuse, repair and recycling (GH/MZ)	Circularity and keeping products in circulation is incorprated in the draft guiding principles - accessibility is also incorporated in the guiding principles
604	**Convenience**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	convenient	Convenience is incorporated in the draft guiding principles
605	**Reduced packaging**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	do we need it in the first place – less packaging on fruit and vegetables. Need to understand why this continues – is it cultural is it marketing??? Why?	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles which include concepts around climate and stewardship.
606	**Subsidies for Sustainable Practices**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	discount for damaged goods to encourage	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles which include concepts around climate and stewardship.
607	**Sorting**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	sorting and grading and a bunch of tomatoes	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles which include concepts around climate and stewardship.

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608	**Industrial waste**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	commercial/production side waste not just consumer waste needs to be looked at	Accountability for all generators is incorporated in the draft guiding principles. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles which include concepts around climate and stewardship.
609	**Equity and Social justice**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	support of campaign for reuse markets – swaps and exchanges. Facebook marketplace is where people go	Circularity is incorporated in the draft guiding principles
610	**Fabric, textiles and clothing**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	the textiles – brands are making them cheaper they don't last as long. Eg socks are thrown out.	Noted. Specific goals and priorities will be considered in future phases of engagement- Idea Generation and Options Analysis.
611	**Recyling facilities/depots**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	places that take everything like the Metro Vancouver north shore recycling facility	Metro Vancouver continues to prioritize waste reduction by building more regional recycline depots.
612	**Access to disposal/recycling options**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	how do we sight more recycling	Noted.
613	**Climate change**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	stop pressing the easy button on consumer goods	Noted.
614	**Consumer choice**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	consumer preferences are huge	Noted.
615	**Limits on waste generation**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	one tonne of cement causes one tonne of C02 – it is a bit GHG industry that needs to be address	Specific goals and strategies will be considered in future phases of engagement- Idea Generation and Options Analysis.
616	**Public perceptions and attitudes**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	many people think they are doing something good now (like plastics in concrete) – but they cause a problem at the end of life of that. Also, rubber in asphalt.	Building a resilient system is incorporated in the draft guiding principles.
617	**Consumer choice**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	next generation is less materialistic	Noted.
618	**Consumer choice**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	kids go thrifting on the weekend with value village groupon	Noted.
619	**Promotion and awareness of re-use**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	need to have worn wear section next to the new section	Noted.
620	**Consumption habits/patterns**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	retail returns need solutions	Noted.
621	**Subsidies for Sustainable Practices**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	logistic operations need to be streamlined as we get three trucks coming the same house	Specific goals and strategies will be considered in future phases of engagement- Idea Generation and Options Analysis.
622	**Product packaging**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	over packaging	Accountability for consumers and manufacturers is incorporated in the draft guiding principles.
623	**Climate change**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	longer lasting more expensive things – less cheap things which creates a throw away economy	Keeping materials in circulation is included in the draft guiding principles.
624	**Subsidies for Sustainable Practices**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	price discount for consolidated shipping	Noted.
625	**Product standards/regulations**	Workshop	Industry Advisory Committee (IAC)	6-Jun-23	Metro Vancouver Advisory Committee	imports from countries that don't meet the design standards or pay the fees for the recycling	Noted.
626	**Circular economy**	Stakeholder Meeting	Industry Advisory Committee (IAC)	12-Jul-23	Metro Vancouver Advisory Committee	I would like to see reuse, repair refill included throughout, such as in accessibility and inclusivity ensuring that we are working to make reuse, refill, repair systems more accessible and inclusive. Same goes for Convenience, consistency and simplicity. We also want to make sure that reuse, refill, and repair are not lumped in with recycling.. it is not an either or situation. We need to extend the life of products, materials, and packaging through reuse, repair and refill, but also make those products recyclable at the end of their useful life.	Circularity and keeping materials in circualtion are included in the draft guiding principles.
627	**10 Emerging Themes**	Stakeholder Meeting	Industry Advisory Committee (IAC)	12-Jul-23	Metro Vancouver Advisory Committee	Under Accountability I would like to stress that we need to ensure that we are properly classifying how waste is being managed in accordance with commonly accepted classifications. Please see a supporting report that provides important reasons why converting waste into RDF or engineered fuel should not be classified as recycled or diverted. Doing such restricts or at the least, discourages progress towards re-designing products, packaging and their systems of collection, handling, process, and distribution, that would extend the life of the products, materials and packaging.	Accountability is incorporated in the draft guiding principles. Metro Vancouver is committed to engaging interested parties throughout the solid waste management plan update process to ensure shared understanding.
628	**Waste Processing/Management**	Stakeholder Meeting					The concept of accountability is incorporated into the draft vision and guiding principles.
629	**Diversion**	Stakeholder Meeting					The concept of accountability is incorporated into the draft vision and guiding principles.
630	**Waste-to-energy**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	FVRD on record regarding WTE – don't agree that it is renewable energy. We would like to see a long-term phase-out plan for the waste to energy facility	Noted.
631	**Circular economy**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Circular economy and reuse and reduce – yes very important	Circularity and extending the life of materials is incorporated in the draft guiding principles.
632	**Local repair and reuse programs**	Stakeholder Meeting				Reusable containers program, FoodMesh, Circular Economy emphasis in the plan – critical and partnerships good	Metro Vancouver is involved in a few initiatives that strive to reduce single use items: -We are currently working with Ocean Ambassadors Canada to encourage residents to make the switch from single-use items.
633	**Partnership with various levels of government**	Stakeholder Meeting					
634	**Contamination**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Strategies for education and signage to stop contamination of recyclable materials	Specific ideas and options will be considered in future phases of engagement- Idea Generation and Options Analysis.
635	**Access to disposal/recycling options**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	We're seeing growing distrust from the public about recycling since things are getting incinerated or taken to landfill	Transparency and a resilient system are incorporated in the draft vision and guiding principles.
636	**Recycle**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	One of the emerging issues in C&D transfer stations is the utilization of alternate fuel and cement counts in Metro Vancouver as recycling. One facility sends 95% of their cement to the cement plant and they are counting that as recycling. Districts would like to work on this with Metro Vancouver.	Metro Vancouver is committed to engaging all audiences who may be impacted by solid waste management decisions.
637	**Clarity on terms and definitions**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Metrics are important – specifically an agreement between districts on what is the definition of recycling vs. disposal	Collaboration, innovation and transparency are included in the draft guiding principles
638	**Educating people in the industry**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Looking for ways to shift people's perspective on what is considered waste. Education campaigns aimed at businesses, tourists, residents	Noted. Specific ideas, goals, and strategies will be considered as part of the future phases of engagement - Idea Generation and Options Analysis

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639	**Allocating resources for education at various levels**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Interested in more campaigns to educate on the idea that recycling materials can be a resource, thinking about stewarding waste	Noted. Specific ideas, goals, and strategies will be considered as part of the future phases of engagement- Idea Generation and Options Analysis
640	**Extended Producer Responsibility (EPR)**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Need EPR programs to reduce costs of waste elimination and recycling	Noted. Specific ideas, goals, and strategies will be considered as part of the future phases of engagement - Idea Generation and Options Analysis
641	**Extended Producer Responsibility (EPR)**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Priority items: Mattresses and bulky items (couches and pillows) moving them from our landfill to make extra space. We'd love to see those items removed from the waste stream and an EPR program. Also construction waste – especially drywall, and other construction materials	Noted. Specific ideas, goals, and strategies will be considered as part of the future phases of engagement- Idea Generation and Options Analysis
642	**Regional standardization of services and practices**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Challenges when trying to standardize the services across large geographic regions	Consistency is included in the draft guiding principles.
643	**Regulation and policy development**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Ensure we're not replacing one problem with another ie. Forever chemicals in wood utensils can cause problems in composting systems – also bio-solids can cause problems – would like to see more stringent rules on chemical use nationally	Building a resilient system is incorporated in the draft guiding principles.
644	**Regional standardization of services and practices**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Looking at partnerships with fellow regional districts to see how we might be able to work together example: dealing with drywall together – wood waste (could we do waste to energy collective?)	Consistency is included in the draft guiding principles. Specific ideas, goals, and strategies will be considered as part of the future phases of engagement- Idea Generation and Options Analysis
645	**Illegal dumping**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Illegal dumping and jurisdictional limitations are a challenge for rural communities	Noted.
646	**Consumer choice**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Recycling and producer responsibility	Accountability for consumers and manufacturers is incorporated in the draft guiding principles.
647	**Waste Reduction/Prevention**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Environmental protection – keeping that top of mind in everything we do	Environmental stewardship is incorporated in the draft guiding principles.
648	**Educating people about waste reduction/management**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Streetscape bins could be better in every region – challenge to educate the public on how to use	Specific ideas, goals, and strategies will be considered as part of the future phases of engagement- Idea Generation and Options Analysis
649	**Metro Vancouver - Vision and role & responsibilities**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	as we go down the path of circular economy we need these "enablers", we have 65% recovery but can do much better, we really gotta try to achieve that and create mechanisms so we can achieve that, could be communications awareness and regulatory framework,	Noted.
650	**Food waste**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Let us know specifically how your plan will affect our district ie. Food waste – please let us know how Metro Vancouver activities might affect us	Noted.
651	**Community, regional and global collaboration**	Stakeholder Meeting	Neighbouring Regional Districts	26-Jul-23	Adjacent regional district	Sunshine coast regional board may also want a presentation on the Vision and Guiding principles	Noted.
652	**Educating people about waste reduction/management**	Solid Waste PNE activation	Public	20-Sep-23	Public	Additional education about waste reduction (972 bottle caps)	Votes are used to gauge interest and will influence future PNE activation.
653	**GHG/Carbon emission reduction**	Solid Waste PNE activation	Public	20-Sep-23	Public	Reduced GHG emissions through the way waste is managed (1046 bottle caps)	Votes are used to gauge interest and will influence future PNE activation. Theme of climate protection is incorporated in the draft guiding principles.
654	**Reduce, Reuse, and Recycle (3Rs)**	Solid Waste PNE activation	Public	20-Sep-23	Public	Re-use, repair, and refurbishment initiatives (circular products) (1834 bottle caps)	Votes are used to gauge interest and will influence future PNE activation. Concept of circularity is incorporated in the draft guiding principles.
655	**System change**	Solid Waste PNE activation	Public	20-Sep-23	Public	Simple, convenient, and consistent recycling systems (1458 bottle caps)	Votes are used to gauge interest and will influence future PNE activation. Concept of convenience is incorporated in the draft guiding principles.
656	**GHG/Carbon emission reduction**	Email feedback	Richmond Steel Recycling	20-Sep-23	Recycling industry	One item I am big on is keeping the carbon footprint low on recycling metals. We are the only shredder in BC and once shredded, ship the steel to the closest steel mill to us in Seattle via barge. Each barge keeps 160 trucks off the road. This is the lowest carbon footprint to getting the metal to a mill to be melted. This I feel should be an important piece of all recycling tenders for the transfer stations in Metro Vancouver	Specific ideas and options will be considered in future phases of engagement- Idea Generation and Options Analysis.
657	**Sustainable product design**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Product design: quality over quantity, products that last such a long time (and combating singleuse)	Waste reduction and keeping products in circularity are incorporated in the draft guiding principles.
658	**Innovation and Technology in Waste Management**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Product design: design innovation	Specific ideas and options will be considered in future phases of engagement- Idea Generation and Options Analysis.
659	**Reduce/ban single-use plastic**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Incentives for recycling and waste reduction: single use takeout containers – how can businesses be incentivized, how can consumers support alternatives	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
660	**Data integrity**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Accountability and transparency for producers and consumers to reduce waste: re: social media video that promoted disinformation about recycling rate/success	Accountability to prevent waste and transparency are incorporated in the draft guiding principles.
661	**Access to Waste management Data**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Accountability and transparency for producers and consumers to reduce waste: hard to get the full view of how much waste is created/how much gets recycled	Accountability to prevent waste and transparency are incorporated in the draft guiding principles.
662	**Access to Waste management Data**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Accountability and transparency for producers and consumers to reduce waste: share the numbers, share the WM processes	Accountability to prevent waste and transparency are incorporated in the draft guiding principles.
663	**Behavioral change campaigns/ promoting responsible behaviors**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Education and behaviour change: critical for consumer change	Noted. Specific ideas and strategies will be considered in future phases of engagement- Idea Generation and Options Analysis.
664	**Public perceptions and attitudes**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Education and behaviour change: societal of cultural attitude	Noted. Specific ideas and strategies will be considered in future phases of engagement- Idea Generation and Options Analysis.

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665	**Youth/Next generation focused education/engagement**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Education and behaviour change: work with younger kids, get them familiar with concepts like circular economy – might be more effective than trying to solve the issue later	Noted. Specific ideas and strategies will be considered in future phases of engagement- Idea Generation and Options Analysis.
666	**Allocating resources for education at various levels**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Education and behaviour change: it all starts with education – it's underpinning everything (from classrooms to community/public)	Noted. Specific ideas and strategies will be considered in future phases of engagement- Idea Generation and Options Analysis.
667	**Awareness of environmental impact**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Education and behaviour change: that environmental education is at the core of everything we do, an integral part of everything in our lives, normalizing climate education	Noted. Specific ideas and strategies will be considered in future phases of engagement- Idea Generation and Options Analysis.
668	**Educating people in the industry**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Education and behaviour change: education of people working in industries and businesses	Noted. Specific ideas and strategies will be considered in future phases of engagement- Idea Generation and Options Analysis.
669	**Protection of natural resources**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Environmental stewardship: it's frustrating seeing waste/plastic/dog poop when you're in a park	Noted. Environmental stewarship is incorporated in the draft guiding principles.
670	**Protection of natural resources**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Environmental stewardship: We live in a beautiful place but it's easy to take for granted	Noted. Environmental stewarship is incorporated in the draft guiding principles.
671	**Barriers**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Accessibility/equity of information (we are an engaged group)	Transparency and inclusivity are incorporated in the draft guiding principles.
672	**Access to disposal/recycling options**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Ease of access to waste management facilities/recycling centres to improve participation rates	Convenience and accessibility are incorporated in the draft guiding principles.
673	**Public perceptions and attitudes**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Societal values related to zero-waste	Circularity is incorporated in the draft vision and guiding principles.
674	**Continuous engagement and communication**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Continuous engagement with people – beyond interpreting the data and statistics but checking in with how this is working for the people in the community -d ifferent areas of Metro Vancouver may have different needs -e .g. one location might benefit from a repair café, another might need greater communication/awareness	Noted. Inclusivity is incorporated in the draft guiding principles.
675	**Continuous engagement and communication**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Communication: encompasses a variety of audiences	Noted.
676	**#N/A**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Young people are moving into newer buildings with better services/older citizens are living in older homes with potentially more difficult circumstances	Noted.
677	**Producers Accountablility**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Accountability and transparency for producers and consumers- Producers should be held accountable	Accountability and transparency are included in the draft guiding principles.
678	**Convenience**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Affordability and Accessibility - Affordability and accessibility help achieve some of the other goals on the list e.g. Accessiblity helps with the convenience aspect.	Affordability and accessibility are included in the draft guiding principles.
679	**Engagement, education and behavior change**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Education and behaviour change-raising a generation that understands a circular economy	Noted. Specific ideas or strategies will be considered during future phases: idea generation and options analysis.
680	**Convenience**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Affordabiliy and accessibility -Making it convenient is key	Affordability and accessibility are included in the draft guiding principles.
681	**Recycling infrastructure improvement**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Circular Economy, Re-use repair and refurbish -Lending libraries, repair cafes help those that live in smaller spaces and don't have space for things like tools in their homes	Circularity is incorporated in the draft vision and guiding principles.
682	**Innovation in product design**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Product design and innovation - onus should be on producers	Innovation is included in the draft guiding principles.
683	**Access to disposal/recycling options**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Affordability and accessibility - need to be more accessible	Affordability and accessibility are included in the draft guiding principles.
684	**Regional standardization of services and practices**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Convenience and consistency- different across North America and in MV (e.g. bear issues in North Vancouver)	Convenience and consistency are incorporated in the draft guiding principles.
685	**Financial Equity**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Are fines equitable if not all have the same opportunity to recycle?	Noted.
686	**Producers Accountablility**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Accountability should not = punishment. Accountability should be for producers rather than consumers.	Noted. Accountability is incorporated in the draft guiding principles
687	**10 Emerging Themes**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Trust - as a consumer. We're hearing conflicting things about what happens to our waste. How do we build trust in the system? Transparency, accountability boil down to trust.	Transparency is incorporated in the draft guiding principles.
688	**Global collaboration/Alignment with global policies**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	International issues - how do we prevent waste from going to other countries without as robust environmental systems e.g. containers from the Philippines	Building a resilient system is incorporated in the draft guiding principles.
689	**Allocating resources for education at various levels**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Education system - There's a big difference between behaviour change campaigns and K-12 education. How will we incorporate emerging sw issues into education system and how will this be funded?	Public education programs and behaviour change can be considered in future phases of engagement- Idea Generation and Options Analysis
690	**Access to Waste management Data**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Accountability and transparency for producers and consumers to reduce waste: Would like better access to data on recycling and waste, where does everything go?	Transparency is incorporated in the draft guiding principles.
691	**Landfills**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Accountability and transparency for producers and consumers to reduce waste: Would like to know what options exist for when the landfills are full	Long term planning is the goal of the solid waste management plan.

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692	**Equity in information and education**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Equity and societal improvements: Not all people are getting access the same information, some young people have not learned anything about recycling	Inclusive programs and services are highlighted in the draft guiding principles.
693	**Transportation Barrier**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Equity and societal improvements - Hard to access services if you don't have a car (waste and recycling centres)	Noted. Inclusive access to systems and programs is included in the draft guiding principles.
694	**Innovation and Technology in Waste Management**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Climate resilience – using innovation to reduce the impact on the climate Planning for the future and not making new problems	Building a resilient system is incorporated in the draft guiding principles.
695	**Incentives for consumers**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Incentives for recycling and waste reduction – for businesses and individuals - Believe that people would be more inclined to recycle if there were incentives - Recycling is hard for people to commit to when they live busy lives and there is no perceived benefit to making extra effort	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
696	**Product standards/regulations**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Product design and innovation – designing products to be more circular: We need to make rules for producers about the products they sell	Circularity is incorporated in the draft vision and guiding principles. Specific goals and actions can be considered in future phases of engagement- Idea Generation and Options Analysis.
697	**Regional standardization of services and practices**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Convenience and consistency for waste and recycling services - Has to be convenient or people won't do it - Right now the services are not consistent between cities or even locations (e.g. If I throw away a coffee cup in a public garbage bin vs. recycling it at home) - This is a struggle at the schools – waste disposal options are not consistent – we need consistency, access to information, and education	Convenience and consistency are incorporated in the draft guiding principles.
698	**Community, regional and global collaboration**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Communication between facilities, service providers and the public	Consistency is included in the draft guiding principles.
699	**Educating people about waste reduction/management**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Build public understanding about what waste management is and the role of citizens	Noted.
700	**Engagement, education and behavior change**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Dispelling the myths and the misinformation	Transparency is incorporated in the draft guiding principles.
701	**Data integrity**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	More transparency with data	Transparency is incorporated in the draft guiding principles.
702	**Innovation in product design**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Innovation in product design on the producer/manufacturer side	Innovation is included in the draft guiding principles
703	**Consumption habits/patterns**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Consumer habits: change/reduce personal consumption	Noted.
704	**Local repair and reuse programs**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	More opportunities for repair and reuse	Theme of circularity has been incorporated in the draft guiding principles.
705	**Behavioral change campaigns/ promoting responsible behaviors**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Changing the culture around recycling so that it's something that's natural	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
706	**Relationship building**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	Humanize the process	Inclusivity is incorporated in the draft guiding principles.
707	**Relationship building**	Small group discussion	Youth and Education Advisory Panel	26-Sep-23	Metro Vancouver Advisory Committee	For government - try and become relatable and strengthen relationships with the public	Collaboration is incorporated in the draft guiding principles.
708	**Incentives**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	We shouldn't reward or provide incentives to do the "right thing." ALL of those topics areparamount to shifting this paradigm of how we use the resources we have.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
709	**Food waste**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Having a concrete plan and structure on how to reuse food quickly-- perhaps a commissarykitchen with professional chefs and food service professionals being paid a living wage, so thatthey can tackle food waste, innovate food circularity, educate the public, and help fight foodinsecurity by giving back nutritious food to the community. It will take investment, but it willhave lots of ROIs with respect to the environment and the health of the public.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
710	**Food waste**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Focus on food waste prevention for restaurants, ensuring food efficiency (in grams of food wasteper cover) is tracked. If not tracked, businesses should pay more taxes. And this money shouldhelp finance food waste audits or education.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
711	**Food waste**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Need for businesses to donate their surplus food	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
712	**Infrastructure**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Need to focus on infrastructure (specifically new composting infrastructure)	Building a resilient system is incorporated in the draft guiding principles.
713	**Energy waste**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Food waste tracking and reporting	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
714	**Reduced plastic usage**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Reducing plastic packaging on products sold in grocery stores	Accountability for manufacturers and consumers is incorporated in the draft guiding principles
715	**Public perceptions and attitudes**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Changing people's thinking about being "too busy" to recycle or reuse	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis

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716	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	We, as a community, are responsible for our waste. Every individual must appreciate and understandthis to its essence. It isn't just the sorting of the items into the correct blue box/yellow bag that is anindividual's responsibility; it is the initial purchase of the item and where it ends up! When someone buys abag of chips and a plastic bottle of coke, are they thinking of where both items end up? No. Once used,they are thrown into the garbage at the mall and then is someone else's responsibility. Likely, it ends up inanother country across the planet. Likely not recycled. Or possibly, shipped elsewhere in our province? It isbecoming clearer and clearer that stronger education and consequences be put in place to get a handleon the 'disposable' approach we have to our waste issues.	Working together is incorporated in draft vision
717	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Sorry, it looks like everything is VERY Important. Right now, one of my main concerns is the confusionabout sorting items. I believe that requires more than education, it needs simplification, which may needto back up some steps to streamline what is produced as well as what is available for purchase byconsumers- e.g., single use plastic banned in grocery stores, but required and sold for garbage bags.	Building a resilient and convenient system is incorporated in the draft guiding principles.
718	**Innovation and Technology in Waste Management**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Composting and source separation technologies are growing, and we should incorporate these into thewaste plan. Don't ignore innovation -- what we have today isn't going to handle the growing wasteproblem that we have. Recently, Metro Van has banned certified compostables (even the ones that workwell) to encourage people to start food scrap collecting (compostable checkout bags). I'm not saying thisis the best solution for collecting food waste, but for some situations, it should be encouraged andcertified compostable bags can do that. As of today, it seems like recycling is favoured, reusables ispraised (I do agree!); but compostables are not encouraged, which is a bummer because many green jobsin BC are in the compostable industry. There's got to be a way to align the various green jobs and wastemanagement practices to keep us flowing in the right direction.	Building a system that is resilient to future challenges is incorporated in the draft guiding principles
719	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	I really think it's important to educate people and companies on how to reduce waste. And to encouragelarge multinational companies to act locally to ensure that the communities in which they are doingbusiness benefit from their "waste" (i.e., food rescue).	Noted.
720	**Source reduction**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Household wasted reduced by 25% (too many people do not recycle)	Accountability and collaboration has been incorporated in the draft guiding principles
721	**Incentives**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Monetary incentives/ tax incentives for people with low income	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
722	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Having to bring soft plastic to a recycling centre versus curbside pick-up makes people just toss it in thegarbage	Innovation and convenience are incorporated in the draft vision and guiding principles.
723	**Cost Management/Financial Sopport**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	More funding for this work	Noted.
724	**Incentives for producers/businesses**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Provide incentives for restaurants to prevent food waste and disclose food efficiency (in grams of foodwaste per cover)	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
725	**Reduce**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	Less talk about recycling and more about reducing	Circularity and waste prevention are incorporated in the draft guiding principles.
726	**Penalties**	Collaborative Engagement - Survey	Vancouver Food Runners	27-Sep-23	NGO/non-profit and environmental stewardship groups	More penalties (tax) for single-use items	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
727	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Carts for the bus for people to access depots. Bottle depot closer to bus stops.	Inclusivity is incorporated in the draft guiding principles.
728	**Incentives**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	More refund incentive.	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
729	**Deposit system**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Monthly or weekly coffee cup deposits.	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
730	**Accountability**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	I chose accountability since businesses need to follow the same suit across the board. Also it's important, there should be compost in all buildings.	Inclusivity is incorporated in the draft guiding principles.
731	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Convenience and consistency- we need more information on how to recycle, especially with things that are hard to deal with. E.g farm waste, cow waste, hospital waste	Convenience and consistency are incorporated in the draft guiding principles.
732	**Circular economy**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Circular Economy - stop using one use items. I go and look for a good bag so I don't need to rely on one use bags. Stop putting everything in the landfill. Because its contaminated. Call binners.	Circularity is incorporated in the draft vision and guiding principles.
733	**Circular economy**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Circular Economy - I like because if you don't need any item some one who can afford it or just give to someone to use. The value of thrifting, repurposing, and borrowing.	Circularity is incorporated in the draft vision and guiding principles.
734	**Accountability**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Accountability and transparency - there still needs a lot of attention to put garbage cans around.	Accountability and transparency are included in the draft guiding principles.
735	**Sustainable product design**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Design and Innovation - it is important to make products that reduce damage to the environment and that are more economical.	Innovation is included in the draft vision and guiding principles.

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736	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Education and Behaviour Change - our climate is too important to all of humanity. If we are neglegent, it will effect the world.	Noted.
737	**Individual responsibility/impact**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Environmental Stewardship - We have a responsibility to not damage nature or cause harm.	Environmental stewardship is incorporated in the draft guiding principles.
738	**Producers Accountablility**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Accountability and transparency - although it is important to embrace a lifestyle that includes low waste minfulness. It is important that large manufacturers that produce large amounts of waste are held accountable for their actions for a sustainable future.	Accountability and transparency are included in the draft guiding principles.
739	**Incentives**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Incentives - I think incentives for recyling and waste reduction is good becuase people like incentives and this motivates them to earn an incentive.	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
740	**User-friendly waste management systems**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Convenience and consistency- is good because if makes things easy for people that like to keep it simple and not struggle to know what goes where.	Convenience and consistency are included in the draft guiding principles, with the intent of making systems simple for all to be able to participate easily in recycling and waste reduction programs.
741	**Convenience**	Collaborative Engagement - Survey					The concepts of conveinence and consistency are incorporated into the draft vision and guiding principles.
742	**Individual responsibility/impact**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Environmental Stewardship - We've been lousy stewards and have taken away natural spaces. .	Environmental stewarship is included in the draft guiding principles.
743	**Consistency of regulations**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Accountability - There needs to be a regulatory body so things are consistent	Accountability is included in the draft guiding principles.
744	**Public perceptions and attitudes**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Education - We live in a throw away world. People need to think about what they are buying so they can think before they throw it away. Folks don't know what they are throwing away.	Noted.
745	**Behavioral change campaigns/ promoting responsible behaviors**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Education - people are lazy and don't have the interest to recycle properly. Get them interested.	Noted.
746	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Affordability and Accessibility - Having the proper facilities in buildings to recycle properly	Affordability and accessibility are included in the draft guiding principles.
747	**Innovation in product design**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Design and Innovation - How can single use items be recycled e.g tissues	Innovation is included in the draft guiding principles.
748	**Environmental Stewardship**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Environmental Stewardship - look after the beaches and natural spaces	Environmental stewardship is incorporated in the draft guiding principles.
749	**Sorting**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Consistency and Convenience - I recycled at my old job and I could never understand why plastics needed to be sorted. It's all plastic... it should go together. How can we change that?	Convenience and consistency are included in the draft guiding principles, with the intent of making systems simple for all to be able to participate easily in recycling and waste reduction programs.
750	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	Binners' Project	1-Oct-23	Not-For-Profit	Education - how is plastic different?	Noted.
751	**Individual responsibility/impact**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design and innovation - people should use their own coffee cup! I carry my own.	Innovation and accountability are included in the draft guiding principles.
752	**Innovation in product design**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design and innovation - I don't think people care about the look of recyclables. They just want the product that they are buying. It's like the dollar store, you can get the same product elsewhere and at a more expensive price.	Innovation and accountability are included in the draft guiding principles.
753	**Product design**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design and Innovation - there is not enough products that are designed well	Innovation and accountability are included in the draft guiding principles.
754	**Producers Accountablility**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability - There is no rules for companies, they should be able to take it without our efforts to make it clean. Why should we do the work and then they get the money from it. I don't put any bottles in the recycling bin, I put it straight in the waste and that's where I get it from	Innovation and accountability are included in the draft guiding principles.
755	**Climate Resilience**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Climate Resilience - I don't think this really applies.	Noted.
756	**Equity and Social justice**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Equity - Less important because it's already done. It's not really important downtown Vancouver.	Noted
757	**Consumer Responsibility in Waste Management**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	The consumer thing is lacking. There is a lack of consumer focus.	Accountability is incorporated in the draft guiding principles.
758	**Reduced plastic usage**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Business opportunities - How much plastic are they producing? Is there someone that can come forward and say is there an opportunity?	Specific ideas and options will be considered in future phases of engagement- Idea Generation and Options Analysis.
759	**Incentives**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Charge for garbage. You might get more people involved if you charge for waste, which would incentivize people to recycle instead.	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
760	**Penalties**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Garbage should be charged based on weight.	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
761	**Packaging material**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Some plastic bags worked well - President's Choice and No Frills. Reply to a comment about some plastic bags being not able to withstand very much.	Noted.

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762	**Economic considerations**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Tim Hortons - not all locations give money on coffee cups. (check that meaning in notes. Might be referring to the cup fee being inconsistent.	Consistency and collaboration and included in the draft guiding principles.
763	**Economic considerations**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Don't grocery stores get money from Encorp?	Noted.
764	**Awareness of environmental impact**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Lack of understanding towards climate resilience and environmental stewardship	Building a resilient system is incorporated in the draft guiding principles.
765	**User-friendly waste management systems**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Every building need to have a recycling room so they have there garbage laid out on a table with holes placing each item in proper paces. This is all while being monitored and after a while people will be sure to handle their waste properly	Consistency and collaboration and included in the draft guiding principles.
766	**Educating people about waste reduction/management**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Every one I work with is on a different page to what goes where even after years of doing it.	Consistency and collaboration and included in the draft guiding principles.
767	**Incentives**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	There shouldn't be any tax on bottles, as this has already been refunded. Any incentives that the city creates shouldn't be taxed. No one on welfare should be taxed dollar for dollar on incentives.	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
768	**Solid Waste Management Plan - logistics and implementation**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Is this plan focused on the local community or across the city?	This is a regional plan.
769	**Clarity on terms and definitions**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	What is the circular economy? What do they mean by circular? Is that an actual circle?	Circularity describes the goal of keeping products and materials in circulation for as long as possible with the end goal being prevention of waste.
770	**Plastics**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	How is the plastic from bottles handled?	Transparency is incorporated in the draft guiding principles.
771	**Cost effictiveness in waste practices**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	With all these new ideas, what is the cost increase for companies versus the consumer with these solid waste plans?	Noted.
772	**Product packaging**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	I'm curious about the food containers, do recycling centers clean the food containers and reuse them?	Transparency is incorporated in the draft guiding principles.
773	**Transparency**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	What would happen if the producer is not transparent about their productions/responsibility?	Transparency and accountability are incorporated in the draft guiding principles. Working together is highlighted in the draft vision.
774	**Convenient Locations for recycling and waste stations**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	There are no garbage cans around the community and the city has taken away valuable garbage cans in certain areas.	Convenience and consistency are incorporated in the draft guiding principles.
775	**Penalties**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	I've noticed that since a charge has been added for bags, companies are getting the benefits of that.	Noted.
776	**Penalties**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Fees make people think that they want to save the bag, rather than use it.	Noted.
777	**Cost effictiveness in waste practices**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	There is often a misunderstanding between what is more cost effective and better for the environment with different materials. E.g glass and plastic bags.	Valuing and conserving materials is incorporated in the draft vision.
778	**Environmental impact**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	The climate is in a pretty bad place, and we've gone past the point of return, so is it worthwhile for us to be environmentally conscious? Are we doing it because it's an emergency or because it will actually make a difference?	Both producers and consumers have an important role to plan in helping achieve our waste reduction and recycling goals. It is possible to effect change over time.
779	**Educating people about waste reduction/management**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	There should be better communication and education to the general public on how to dispose of waste properly.	Noted.
780	**Multi-lingual support**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education - Most people don't understand english, so it's hard for them to recycle. It's important to teach people in different language	Education and communication can be considered in future phases of engagement- Idea Generation and Options Analysis.
781	**Convenience**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Convenience and Consistency - people love to keep things simple. Better set up will be better for everyone. People are lazy when they go to work so they need a simple system to recycle. They don't have time.	Convenience and consistency are included in the draft guiding principles, with the intent of making systems simple for all to be able to participate easily in recycling and waste reduction programs.
782	**Affordability of products**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design of product - it usually costs us more money with these new designs. You're not looking for the branded product, they are going to the cheap product. Why would people change? They still want affordability.	Innovation is included in the draft guiding principles.
783	**Producers Accountablility**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability and Transparency - Large industries produce a large amount of waste, and they need to be held accountable. One company can produce more waste than a city in a year. Burn off is dangerous for people. Rendering plants break things down to soaps and things but even that is producing a great amount of methane. Billionaires have the power, and if they are confronted or forced to make change they just go somewhere else.	Accountability and transparency are included in the draft guiding principles.
784	**Circular economy**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Circular Economy - Reusing is important, and should be prioritized over cheap production.	Circularity is included in the draft guiding principles.
785	**Circular economy**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Circular Economy - Single use items bug him the most. He goes out and looks for things he can use and reuse. He might go to 10 different shops looking for the bag that'll withstand a bag. I really value my dollar and I want to put it to something that'll last.	Circularity is included in the draft guiding principles.

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No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
786	**Individual responsibility/impact**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Environmental Stewardship. - We've been lousy stewards and taking away natural spaces.	Environmental stewardship is incorporated in the draft guiding principles.
787	**Consistency of regulations**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability -There needs to be a regulatory body so things are consistent	Accountability is included in the draft guiding principles.
788	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education and Behavioural change -Clothing market alone, we are in a throw away world. People need to think about what they are buying so they can think before they throw it away. Folks don't know what they are throwing away.	Noted.
789	**Individual responsibility/impact**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design and Innovation -People should use their own cups! I carry my own cup.	Innovation is included in the draft guiding principles.
790	**Access to disposal/recycling options**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Affordability and Accessibility -Why don't we have 24/7 recycling centres? We have 24/7 convenience stores. It's so frustrating to work around the location and hour limits of depots.	Noted.
791	**Behavioral change campaigns/ promoting responsible behaviors**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education -People are lazy and don't have the interest to recycle properly	Noted.
792	**User-friendly waste management systems**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Affordability and Accessibility - Having the proper facilities in buildings to recycle properly	Affordability is included in the draft guiding principles.
793	**Innovation in product design**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design and Innovation -How can single use items be recycled e.g tissues	Innovation is included in the draft guiding principles.
794	**Environmental Stewardship**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Environmental Stewardship -Look after beaches, and spaces	Environmental stewardship is incorporated in the draft guiding principles.
795	**Sorting**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Consistency and Convenience -I recycled at my old job and I could never understand why plastics needed to be sorted. It's all plastic… it should go together. How can we change that?	Convenience and consistency are included in the draft guiding principles, with the intent of making systems simple for all to be able to participate easily in recycling and waste reduction programs.
796	**Climate Resilience**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Climate Resilience -I don't think this really applies.	Climate and system resilience are incorporated in the draft guiding principles.
797	**Behavioral change campaigns/ promoting responsible behaviors**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behaviour change - because people get to screwed up and we should try to change this.	Noted.
798	**Incentives**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction Awareness	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
799	**Circular economy**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy - important to reduce, reuse and recyle	Circularity is incorporated in the draft guiding principles.
800	**User-friendly waste management systems**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Convenience and consistency - it should be easy to recycle	Convenience and consistency are incorporated in the draft guiding principles.
801	**Protection of natural resources**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship - to help mother nature	Environmental stewardship is incorporated in the draft guiding principles.
802	**Circular economy**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy - making good sense of matierials without wasting unnecessarily	Circularity is incorporated in the draft guiding principles.
803	**Durability/longevity of products**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design and innovation - make products have a larger lifespan and not just for single use.	Innovation is included in the draft guiding principles.
804	**Incentives**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives - Higher deposit fees on more items increases returns in my belief	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
805	**Product design**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design and innovation - Those poorly designed brown food containers create more waste because food often falls out, so I either have to get another box of the food or use a plastic bag around it.	Innovation is included in the draft guiding principles.
806	**Convenience**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Convenience and consistency - If it's too much of a hassle, people will not collect or dispose of things properly.	Convenience and consistency are incorporated in the draft guiding principles.
807	**Youth/Next generation focused education/engag ement**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education and Behaviour Change - from the bottom up (grassroots) kids must be well-infromed and educated about the impact of human activities and productions on mother nature. What comes around goes around within a span of a lifetime.	Noted.
808	**Access to disposal/recycling options**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Accessibility - Accessible return facilities for people that don't have a vehicle.	Accessibility is included in the draft guiding principles.
809	**Climate Resilience**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Climate Resilience - makes the world healthy	Climate resilience is incorporated in the draft guiding principles.
810	**Circular economy**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy - to have less waste at the dumps	Circularity is incorporated in the draft guiding principles

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811	**Educating people about waste reduction/management**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behaviour change- because no one knows how to discard waste properly	Noted.
812	**Sustainable product design**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design and innovation - reusable and reliable products to cut consumer costs as well as more reliability	Innovation is included in the draft guiding principles.
813	**Protection of natural resources**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship - protection of ecological spaces to improve air quality as well as protect local fauna and flora to allow increased areas of ecological protection.	Environmental stewardship is incorporated in the draft guiding principles.
814	**Circular economy**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy - better for the environment and creates cleaner streets	Circularity is incorporated in the draft guiding principles
815	**Producers Accountablility**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability - companies need to stop mass producing items and pondering to a consumer based economy. Focus on need instead of money.	Accountability is incorporated in the draft guiding principles.
816	**Sustainable product design**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Design - make everything biodegradable so it doesn't matter where you put it.	Innovation is incorporated in the draft guiding principles.
817	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education - People should recycle not to get money back, but to charge the planet we live on.	Noted.
818	**Consumer Responsibility in Waste Management**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability - it's important because we are consumers and we need to manage our waste responsibly.	Accountability for consumers and manufacturers is incorporated in the draft guiding principles.
819	**Public perceptions and attitudes**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education - we need to change from the consumers we are	Noted.
820	**Affordability of waste reduction practices**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Affordability - It's a hard decision because all of it is important	Affordability is included in the draft guiding principles.
821	**Equity and Social justice**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Equity or social improvements - no new ones are needed and more pressing matters at hand.	Noted.
822	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behaviour change- unneeded and pointless	Noted.
823	**Equity and Social justice**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Equity - people will seek out information if they want it. There are other more pressing issues.	Noted.
824	**Awareness of environmental impact**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Awareness	Noted.
825	**Health impact**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Health and safety	Noted.
826	**Economic considerations**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Economy and pricing	Affordability is incorporated in the draft guiding principles.
827	**Deposit system**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Refund system for used paper coffee cups	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
828	**Health impact**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Health management	Noted.
829	**Community, regional and global collaboration**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Viability of program and city's participation	Collaboration is included in the draft guiding principles.
830	**Feasibility and Effectiveness**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Feasilbility	Noted.
831	**Penalties**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Larger penalties on companies that have waste water	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
832		Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Protection and safety of employees	Accountability is incorporated in the draft guiding principles.
833	**Affordability of products**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	More places like the street market to sell at. That's affordable.	Inclusivity is incorporated in the draft guiding principles.
834	**Recyling facilities/depots**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Huge [recycling] compound at many many locations. Billboard advertments to educate the public about recycling. Highlight the pros and how damaging wastes are to the earth if not disposed of properly.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
835	**Behavioral change campaigns/ promoting responsible behaviors**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Education on overindulgence should be prioritized	Accountability for consumers and manufacturers is incorporated in the draft guiding principles.
836	**Incentives**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Putting a cap on reselling used items to incentivise people to sell second hand	Circularity is included in the draft guiding principles.

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837	**Awareness of environmental impact**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Educate on the benefits of being minimalistic as a society	Accountability for consumers and manufacturers is incorporated in the draft guiding principles.
838	**Incentives for producers/businesses**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives like the cup fee only benefit the buisness and producer. McDonalds cups and bags fee only benefit McDonalds.	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
839	**Enforcement of regulations**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Enforcement	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
840	**Recyling options**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Create more recyclables - design!	Innovation is included in the draft guiding principles.
841	**Implement re-use systems**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Make good use of waste	Circularity is included in the draft guiding principles.
842	**Recyling facilities/depots**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Open another returnables depot around Gastown/DTES	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
843	**Deposit system**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Make more useful items refundable	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
844	**Inclusivity in waste management**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	More ways for lower income people to make money by binning	Collaboration is included in the draft guiding principles.
845	**Product standards/regulations**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Raise the price of glass and big bottles again	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
846	**Deposit system**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Electronic refunding	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
847	**Holistic/Systemic approach to waste management**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Humanity must be placed above corporations interest for profit.	Noted.
848	**Recycle**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Everything should be recycled - no garbage!	Circularity is included in the draft guiding principles.
849	**Waste-to-energy**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Energy conversion	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
850	**User-friendly waste management systems**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Make it easier for people to follow the rules when recycling and throwing out waste	Convenience is included in the draft guiding principles.
851	**Waste-to-energy**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Energy instead of fossil fuels	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
852	**System efficiency**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Large more centralised managements with government influence	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
853	**Convenient Locations for recycling and waste stations**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	More waste and recycling cans on the street are needed!	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
854	**Landfills**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Landfill	Noted.
855	**Access to disposal/recycling options**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Carts for the bus for the people to access the depot. Make sure the bottle depot is closer to the bus stop.	Inclusivity is incorporated in the draft guiding principles.
856	**Recycling furniture**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Recycling for beds, refridgerators, cigarette butts, other mik items, newspapers.	Accountability for producers and consumers is incorporated in the draft guiding principles.
857	**Collaboration across the industry**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	More coordination between hauling companies and the city, in addition to more auto shipping containers as recycling depots.	Collaboration is included in the draft guiding principles.
858	**Deposit system**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Monthly or weekly coffee cup deposit.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
859	**Penalties**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Binners policing garbage rooms in apt buldings to ensure recycle, refunds, compost, cardboard is done properly. Create fines to landlords (and individual tenants) who don't comply.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
860	**Waste Reduction/Prevention**	Collaborative Engagement - Workshop	Binners' Project	1-Oct-23	NGO/non-profit and environmental stewardship groups	Less litter around the city on the streets. More people to help keep the city clean.	Noted.
861	**Collaboration across the industry**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	How are we bringing in or connecting people working on the industry side of things and not just players not on the table. How can industries start looking at circularity instead of just economics in dealing with procurement?	Collaboration is included in the draft guiding principles.
862	**Research and Policy**	Workshop					Transparency is incorporated in the draft guiding principles.

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863	**Providing Information on Product Materials**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Who is doing the research on truly recyclable and compostable containers? How can I access "best practices" information? Concern about greenwashing that is occurring.	The concept of transparency is incorporated into the draft vision and guiding principles. Much of the research on recyclable and compostable containers is happening at the provincial and federal level, although Metro Vancouver is providing comments on relevant policy intentions paper and providing information to residents and businesses. Some best practices studies are available under Metro Vancouver's solid waste reports and resources page.
864	**Wood**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	How do we also ensure we don't immediately downcycle things like wood waste into wood chips/compost? We are missing an incredible an environmental value + economic value of multiple life cycle stages before composting.	Circularity is incorporated in the draft guiding principles.
865	**Producers Accountablility**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Stronger emphasis on waste producer responsibility - industry, manufacturing, etc.	Accountability for consumers and manufacturers is incorporated in the draft guiding principles.
866	**Community, regional and global collaboration**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	We need to get the industry to participate.	Collaboration is incorporated in the draft guiding principles.
867	**Holistic/Systemic approach to waste management**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Waste reduction strategies that acknowledge needed culture change.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
868	**Collaboration with First Nation communities**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Recognize that non-Western cultures actually have a lot of "sustainable" actions embedded because it's just a way of life. Learn from Indigenous peoples and newcomers. Collaboration goes both ways. Embrace cross-cultural collaboration.	Noted.
869	**Consumption habits/patterns**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Look at consumption and the broader concept of consumer behavior	Accountability for consumers and manufacturers is incorporated in the draft guiding principles.
870	**Equity and Social justice**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	A plan that prioritizes equity and accessibility.	Accessibility is included in the draft guiding principles.
871	**Regional standardization of services and practices**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	The plan applies equally to all the regions of Metro Vancouver.	Collaboration is included in the draft guiding principles.
872	**Regional standardization of services and practices**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	More uniformity across the region for waste management and diversion.	Consistency is included in the draft guiding principles.
873	**Waste reduction standards**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	A comprehensive plan that makes finding used materials easy, places to repair in neighbourhoods, and has more zero waste facilities available to the public. Provide clear guidelines on alternatives to the use of plastic.	Circularity and consistency are included in the draft guiding principles.
874	**Land use**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Keeping solutions local. Designate municipal land within the city limits and provide below-market rent for diversion, reuse, upcycling and recycling infrastructure and industry. Ensure there is industrial land available for processing and that people living close to the facilities will not be negatively affected.	Convenience is included included in the draft guiding principles.
875	**Managing waste locally**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Process plastics locally. Do tours of facilities so people understand how recycling works.	Transparency and innovation are included in the draft guiding principles.
876	**Managing waste locally**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Build off existing local knowledge. Need to integrate local innovators.	Collaboration is included in the draft guiding principles.
877	**Land use**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Align with land use and industrial zoning. Align Metro Vancouver plans.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
878	**Zero Waste**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Zero waste should mean that there is zero waste going to the landfill or incinerator (not just zero waste to landfill) align with international, peer-reviewed Zero Waste Hierarchy rather than going in the opposite direction (incineration is in the Unacceptable tier)	Waste prevention is incorporated in the draft vision.
879	**Holistic/Systemic approach to waste management**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Thinking about systems as a whole and people's lifestyle choices.	Circularity as a vision and accountability are incorporated in the draft vision and guiding principles.
880	**System change**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Prioritize refusing, repurposing, reusing, reducing and developing cradle to cradle systems change.	Repair and reuse is represented in the draft vision and guiding principles through the theme of circularity.
881	**System change**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Rethinking systems at all levels of government and industry to embed zero waste principles.	Accountability for governments is included in the draft guiding principles.
882	**Value of the environment**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Value resources.	Valuing resources is included in the draft vision statement.
883	**Continuous engagement and communication**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Lots of promotion and engagement: popups, opportunities for the community to learn about what zero waste means, getting community buy-in	Pop-up events and community outreach was incorporated in the public engagement plan for the draft vision and guiding principles.
884	**Awareness of environmental impact**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Education to get people to understand environmental costs of single use	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles.
885	**Behavioral change campaigns/ promoting responsible behaviors**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Education to move away from reliance on "recycling"	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles.
886	**Implement re-use systems**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Make reuse most cost effective	Circularity and affordability are both incorporated in the draft guiding principles.
887	**Implement re-use systems**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Regional access to reuse systems - backhaul and sanitization	Inclusive and convenient access to services and programs is included in the draft guiding principles.

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888	**Local repair and reuse programs**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Make finding used materials easy, repair in neighbourhoods, zero waste facilities for public	Convenience is included in the draft guiding principles.
889	**Investing in innovation infrastructure**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Increase compostables and supporting infrastructure	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
890	**Equity in information and education**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Waste/resource information and access	Transparency and inclusivity are incorporated in the draft guiding principles.
891	**Transparency in waste management processes**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Transparency for recycling	Transparency is incorporated in the draft guiding principles.
892	**Collaboration across the industry**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Increase partnerships between organizations to reduce waste	Collaboration is incorporated in the draft guiding principles.
893	**Subsidies for Sustainable Practices**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Encourage businesses (green/non-green) to be sustainable	Accountability and collaboration are incorporated in the draft guiding principles
894	**Producers Accountablility**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Full accounting for all waste that may be produced, including microplastics	Noted.
895	**Sustainable product design**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Consider full life cycle analysis for product when making decisions on materials	Accountability for manufacturers and circularity are incorporated in the draft guiding principles.
896	**Metrics - evaluation and measurement**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Need better metrics on how we are tracking progress. Measurement and monitoring needs to inform policy for waste reduction and progress.	Noted.
897	**Infrastructure**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Solid waste infrastructure needs to ultimately capture all the waste in the region and prevent it from going into the environment.	Building a resilient system and environment stewardship are incorporated in the draft guiding principles.
898	**Organics**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Value not just consumer goods, but also organics and biomass.	Valuing resources is included in the draft vision statement.
899	**Clarity on terms and definitions**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Be transparent about what the terms mean. Define what is included in recycling and composting. Does recycling include chemical recycling? If we are talking about continuing recycling, are we eliminating things that could be reused?	Transparency is incorporated in the draft guiding principles.
900	**Local economy**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Local economies are struggling- they need govt. support to sustain costs- we need to sustain local companies and make them feasible- local economies as a concept is too overarching- for example- how to make a local cafe that focuses on reusing and repairs- sustainable entrepreneurships- we need to make sure they sustain- restorative cities and economies- instead of micro-cleaning- low- barrier jobs in circular economies. Social and environmental benefits are included- it also includes financial benefits for small businesses trying to start and maintain work.	Collaboration is incorporated in the draft guiding principles.
901	**Environmental Stewardship**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Governments need to publicize and promote environmental initiatives more.	Transparency is incorporated in the draft guiding principles.
902	**Promote circular economy**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	How to regulate industries or residential sectors in a community when it relates to industry talks only about growth and expansion and these values don't fit with the idea of sustainability? Governments support capitalism which is fundamentally against the ideals of sustainability- "endless growth"- should be criticized.	Noted. Specific solutions will be evaluated in the Options Analysis phase of engagement and will be measured against the guiding principles.
903	**Re-use buidling materials**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	We all want to push to reuse- how to overcome barriers to reusing material in the construction industry.	Circularity and inclusivity are incorporated in the draft vision and guiding principles.
904	**Trust-building through transparency**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Also, actively listening to community members and making them feel heard is extremely important transparency in building trust is important	Collaboration and transparency are incorporated in the draft vision and guiding principles.
905	**Financial barriers**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Addressing cost barriers to communities. Materials are sometimes dumped because transportation and other fees of taking them to other places are too expensive regulations must be shaped to change this. Opportunity for future advocacy with NZWC giving MV a voice at the federal level- involvement in the national discourse and ability to voice local concerns.	Affordability is included in the draft guiding principles.
906	**Incentives for producers/businesses**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Businesses might need incentives for engaging in sustainability	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
907	**Cost effictiveness in waste practices**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Cost of land challenge- struggle to keep upcycling spaces open and offer their services because of expensive rent etc.- also expensive to transport materials to various spaces. It takes a lot to change behaviour and systems.	Noted.
908	**Climate justice**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	We are talking a lot about community. Engagement- we need to build trust- environmental justice lens- low income and minority communities- need to respect and understand the systems already run by these local communities and minority groups- need to respect and understand them instead of pushing top-down policies on these areas. Build on what exists	Transparency is included in the draft guiding principles.
909	**Engagement, education and behavior change**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behavioural change: A lot of work is about behavioural studies. A lot of people in BC do a lot of these sustainable actions, but the motivation is not sustainability. It's just their way of life. Actions are good for the planet, but may not be intentional. Saving, repairing, making use of what they buy, getting money's worth- these are values that we need to consider to engage more people who might not care as much about the environment. Behavior change can greatly influence people and direct them in the way that brings a sustainable future.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis

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910	**10 Emerging Themes**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability: Having more accountability (Producers and consumers)-tackling the problems from both sides- can also propel further initiatives	Accountability is included in the draft guiding principles.
911	**Regulation and policy development**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives: What incentives can be given to industries to form better designs. Bylaws/provincial bylaws might be beneficial for assisting with these circular economy strategies	Incentives and penalties are potential actions that can be considered in future phases of the plan, particularly Idea Generation and Options Analysis.
912	**Continuous engagement and communication**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Product Design: Example - neighbourhood bike showcase- information awareness to the public can help the public know which product is more sustainable or better for the public.	Innovation is included in the draft guiding principles.
913	**10 Emerging Themes**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	There are implicit assumptions behind these themes from Metro Vancouver that guide conversations in a certain way towards maintaining status quo. What can we do about that?	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
914	**Cost Management/Financial Sopport**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Opportunity costs: Need to be aware of sunk cost effect with government policies. Can't let those define future actions that may be more costly.	Affordability is included in the draft guiding principles.
915	**Land use**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Highest and best use: Makes a lot of circular things less feasible looking at it from land use and not material use perspective.	Circularity is included in the draft guiding principles.
916	**System change**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Systemic approaches focusing on upstream: Massive part of waste is plastic. We have spent decades educating consumers to be better consumers. Producers are making hundreds of different types of plastics. A lot of recycling goes to the transfer station and then goes to garbage because those hundreds of types of plastics are not all recyclable. We are focusing on individual people and putting investment in them to sort materials properly. Better at focusing upstream at the producers and changing what comes down at the people.	Circularity is included in the draft guiding principles.
917	**Engagement, education and behavior change**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Promotion and Education: Encompass community and make sure people understand what circularity and the 3Rs are. Change happens with knowledge	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
918	**10 Emerging Themes**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	General question: Why don't we synthesize these several vision pointers and instead build 3 or 4 broad ideas or visions?	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
919	**Waste Reduction/Prevention**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	No Incineration: Waste incineration shouldn't be an option because it justifies waste. Removing it as an option will push for reducing waste and thinking of alternatives.	Noted.
920	**Metro Vancouver - Vision and role & responsibilities**	Workshop	Zero Waste BC	5-Oct-23	NGO/non-profit and environmental stewardship groups	Coordination between divisions: Are there other plans? Liquid waste? What happens to biosolids?	Collaboration is included in the draft guiding principles.
921	**Protection of natural resources**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	Environmental protection, not just of natural spaces but of all the environment (air quality, water quality, etc)	Environmental stewardship is incorporated in the draft guiding principles.
922	**Incentives**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction – for businesses and individuals, because I've seen firsthand how incentives and regulation create needed change at scale, and shift the general status quo.	Incentives and penalties are potential actions that can be considered in future phases of t
923	**Circular economy**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy. With bikes being our focus, it's important to us to keep bikes in working condition by finding useful parts and material from other bikes that are no longer ridable.	Circularity is incorporated in the draft guiding principles.
924	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	Education and transparency about what can be recycled and what happens to it.	Transparency is included in the draft guiding principles.
925	**Circular economy**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy as we want to encourage people to reuse instead of buying new but also behaviour change- getting more people to understand that they should be responsible for their waste and the items they purchase	Circularity is in the draft guiding principles.
926	**Waste Reduction/Prevention**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	Waste prevention - we have focused too much on recycling and diverting materials from a landfill	Waste prevention is included in the draft guiding principles
927	**Zero Waste**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	Actually work on zero waste	Noted.
928	**Policies for recycling facilities and landfills**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	We need more regulation and landfill bans. Look at the huge shift that happened in 2013 when we banned organics from landfill." - Recycling Business	Specific solutions and actions will be considered further in future phases of engagement-
929	**Transparency in waste management processes**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	Information on what is happening with these materials.	Transparency is incorporated in the draft guiding principles.
930	**Waste-to-energy**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	Time to close the waste to energy facility	This feedback will be considered during the options analysis phase of the plan update.
931	**Regulation and policy development**	Collaborative Engagement - Survey	Recycling Council of BC (RCBC)	12-Oct-23	NGO/non-profit and environmental stewardship groups	In an ideal world, I'd like to see regulations banning the sale of nonrepairable toys devices, and electronics in our region.	Specific solutions and actions will be considered further in future phases of engagement-
932	**Waste hierarchy**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Where is "refuse" (as in to refuse an item) in the hierarchy? A. in rethink/redesign.	Accountability for consumers and manufacturers is incorporated in the draft guiding principles.
933	**Consistency of regulations**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Follow the ZWIA hierarchy and definitions (NZWC does not define ZW, nor have principles, support international movement for ZW)	Circularity is incorporated in the draft guiding principles.
934	**Zero Waste**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Promote hierarchy for ZW	Circularity is incorporated in the draft guiding principles.

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935	**System change**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Needs a shift in mindset to move beyond management	Innovation and collaboration are included in the draft guiding principles.
936	**Policy reform in support of circular economy**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Focus on reuse, repair, repair	Circularity is incorporated in the draft guiding principles.
937	**Policy reform in support of circular economy**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Closed loop systems, reuse where possible, policies to support this	Circularity is incorporated in the draft guiding principles.
938	**Community-driven initiatives**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Share sheds, lending libraries	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
939	**Waste Processing/Management**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Focus on high impact materials in the waste stream	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
940	**Waste Processing/Management**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Classified properly, extend life of product	Circularity and consistency are included in the draft guiding principles.
941	**Clarity on terms and definitions**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Clarity on terminology for reuse, recycling, etc.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
942	**Interconnected network**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Facilitate connections (like industrial symbiosis)	Noted.
943	**Supporting local businesses**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Supportive of local business in 2 parts, 1. businesses involved in waste/recycling/reuse and 2. regular businesses subject to policy	Collaboration is incorporated in the draft guiding principles.
944	**Zero Waste**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	A Metro Vancouver where going zero waste is simple, clear and the norm	Circularity and waste prevention are incorporated in the draft guiding principles.
945	**Convenience**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Could it be easy	Convenience and consistency are included in the draft guiding principles, with the intent of making systems simple for all to be able to participate easily in recycling and waste reduction programs.
946	**System change**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Simple convenient system that directs residents to pyramid-make it easy	Convenience and consistency are included in the draft guiding principles, with the intent of making systems simple for all to be able to participate easily in recycling and waste reduction programs.
947	**Transparency in waste management processes**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Deep transparency around where materials go and easy to understand	Transparency is incorporated in the draft guiding principles.
948	**Accountability**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Businesses trying to do the right thing -compostable materials -certification/labelling	Noted.
949	**Waste Recylcing Systems**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Need to be clear on what is classed as recycling (e.g. wood burned at pulp mills, etc. is called recycling). Need to force industry to do something better.	Accountability and transparency are included in the draft guiding principles.
950	**Recycle**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Stop focusing on recycling as a silver bullet.	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
951	**System change**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	No burn no bury- push for urgency, and systems change	Specific solutions and actions will be considered further in future phases of engagement - Idea Generation and Options Analysis
952	**Waste Processing/Management**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	What the vision should not include: Biosolids to incinerators, to add more throughput; bottom ash to cement; wood burning on Coquitlam site; district energy using waste to energy	This feedback will be considered during the options analysis phase of the plan update.
953	**Success stories - share what is going well**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Promoting successes (like Recycle BC -plastics)	Noted.
954	**Success stories - share what is going well**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Lean in to what is going well	Noted.
955	**Public perceptions and attitudes**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	All materials are valued, not how to get rid of something I do not want /need	Circularity is incorporated in the draft guiding principles.
956	**Cost Management/Financial Sopport**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Opportunity cost -consider what is not being done while choosing other actions to pursue (example. time, money and effort wasted in pursuing expanded incineration in last plan instead of more waste reduction measures)	This feedback will be considered during the options analysis phase of the plan update.
957	**Community, regional and global collaboration**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Need for partnerships -so much could be done if the community gets on board	Collaboration is incorporated in the draft guiding principles.
958	**10 Emerging Themes**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Transparency + Accountability (cement kilns for example-not same regulations and standards), erosion of public trust and motivation to take action when it feels like it is not clear if it is making a difference	Transparency and accountability are incorporated in the draft guiding principles. Working together is highlighted in the draft vision.
959	**Local economy**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Local economy -need to reserve industrial land, NADA closed, need private businesses not being supported), could be treated out like for north shore organics contract instead of supporting a good local businessnet local benefit +	Noted.
960	**Re-use**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Highest and best use of materials	Metro Vancouver intends to use the waste hierarchy to prioritize highest and best use of materials in the updated plan.
961	**Source reduction**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Process close to source -reuse is closest	Circularity is incorporated in the draft guiding principles.

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962	**Reduce, Reuse, and Recycle (3Rs)**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	First 3 Rs -rethink, reduce, reuse (thought recycling was getting too much focus, need to have first three be rethink/reduce, reduce and reuse). Keeping products in use by the original owner as long as possible	Circularity is incorporated in the draft guiding principles.
963	**Waste reduction standards**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	ZWIA standards for ZW to be used-align with international standards	Noted.
964	**Community, regional and global collaboration**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Partnerships built around a positive goal	Collaboration is incorporated in the draft guiding principles.
965	**Accessibility + Equity**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Affordability and accessibility -including for reuse. Reframing it, awareness of other cultural practices, bulk should not be more expensive.	Affordability and accessibility are included in the draft guiding principles.
966	**Regional standardization of services and practices**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Convenience and consistency-not just for waste and recycling but across the full hierarchy (e.g. reuse, repair, etc.)	Convenience and consistency are incorporated in the draft guiding principles.
967	**Engagement, education and behavior change**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behaviour change to bring people along. Carrot and stick-have people understand what they are already paying for in terms of taxes, etc. as well as environmental/social harms	Noted.
968	**Equity and Social justice**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Equity and societal improvements	Noted.
969	**Circular jobs**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Highlight businesses opportunities/jobs from zero waste	Innovation and industry collaboration are included in the draft guiding principles
970	**Supporting local businesses**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	On site and community based- supporting local business	Convenience and consistency are incorporated in the draft guiding principles.
971	**System change**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Resilience-climate-infrastructure but also systems and processes	Noted.
972	**Circular economy**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Promote Zero Waste and Circular Economy	Circularity is incorporated in the draft guiding principles.
973	**Equity and Social justice**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Public health/equity -needed as history of pushing negative consequences to poor communities.	Noted.
974	**Reduce organics waste**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Prevent organics and recycling going to garbage -inspect each load, open bags	Collaboration is incorporated in the draft guiding principles.
975	**Re-use**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Salvage for reuse -highest and best use	Circularity is incorporated in the draft guiding principles
976	**Source reduction**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Precautionary principle -discussion on why it is important (example. use of bottom ash in concrete)	This feedback will be considered during the options analysis phase of the plan update.
977	**Zero Waste**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	ZW principles -depends on how they define it -use ZWIA principles	Noted.
978	**Metrics - evaluation and measurement**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Information and improvement-need to monitor metrics and provide clear feedback to all to help drive change, transparency is important for this as well	Noted.
979	**Implement re-use systems**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Support reuse, repair, thrifting (note that CE is not defined as only these actions so perhaps remove confusing label)	Circularity is incorporated in the draft guiding principles
980	**Environmental Stewardship**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship -good lens -responsibility to natural spaces as well as environment in general (air quality, water quality, not polluting)	Environmental stewarship is included in the draft guiding principles.
981	**Community engagement**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Process and consultation -need to all be aligned (processes including RFPs)	Transparency is incorporated in the draft guiding principles.
982	**Innovation in product design**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Product Design and innovation-is needed	Innovation is incorporated in the draft guiding principles.
983	**Affordability of waste reduction practices**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Convenience and consistency-make it cheaper to do the right thing for businesses -ensure feedback is going back to generator, not hauler; ensure haulers are doing the right thing	Convenience and consistency are incorporated in the draft guiding principles.
984	**Penalties**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Polluter pays/user pays -could be stronger. Acknowledge externalized costs	Noted. Specific ideas, options, and strategies can be considered in future phases of engagement- Idea Generation and Options Analysis.
985	**Equity and Social justice**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Level playing field -generators and haulers	Noted.
986	**Enforcement of regulations**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Missing: Enforcement of policies (like organics, disposal bans)	Accountability for residents, businesses, and governments is incorporated in the draft guiding principles.
987	**Enforcement of regulations**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Need to make sure these principles flow through into purchasing/operations, etc. as this has not been the case to date. Need radical rethink of RFP processes at Metro Vancouver	Noted. Specific ideas, options, and strategies can be considered in future phases of engagement- Idea Generation and Options Analysis.

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988	**Clarity on terms and definitions**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Caution with "materials as resources"-if it is used to push for incineration	Metro Vancouver considers mass burn waste-to-energy as disposal, not as materials as resources.
989	**Collaboration across the industry**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Some parties may be more willing to partner and work together on zero waste if incineration was not on the table (Example. flow control is a good measure but not to shore up materials for incineration). Previous plan's focus on incineration and the way the previous consultation was handled led to distrust of Metro Vancouver	Noted.
990	**Waste Processing/Management**	Focus Group	Zero Waste BC	12-Oct-23	NGO/non-profit and environmental stewardship groups	Caution around "not exporting waste" as can be used to justify incineration. Do not export harm– how to define, caution around dispersing materials. Noted that could export materials but needs to be to a location that welcomes them and has the capacity to deal with them safely and in an environmentally sound way	Noted.
991	**Need for a shift of responsibility from consumers to producers**	Virtual Workshop	Public	13-Oct-23	Public	Consumer responsibility should be separated from producer responsibility	Noted. Specific ideas, options, and strategies can be considered in future phases of engagement- Idea Generation and Options Analysis.
992	**Engagement, education and behavior change**	Virtual Workshop	Public	13-Oct-23	Public	Education is important but it should be simplified	Noted.
993	**Producers Accountablility**	Virtual Workshop	Public	13-Oct-23	Public	Accountability of producers would help to reduce the need for education	Accountability for producers and consumers is incorporated in the draft guiding principles.
994	**Convenience**	Virtual Workshop	Public	13-Oct-23	Public	Convenience and consistency would help to reduce waste because people would be more responsible in disposing of used items	Convenience and consistency are incorporated in the draft guiding principles.
995	**Clarity on terms and definitions**	Virtual Workshop	Public	13-Oct-23	Public	Circular economy needs to be defined and not just used as a buzzword. Definitions in general are very important to refine the values and priorities.	Circularity and keeping materials in circulation are included in the draft guiding principles.
996	**Diversion**	Virtual Workshop	Public	13-Oct-23	Public	Diverting what is going to landfill to use for other resources - reduce climate impacts - have solutions for diversion	Concepts of increasing diversion and reducing climate impacts are incorporated in the draft guiding principles.
997	**Affordability of waste reduction practices**	Virtual Workshop	Public	13-Oct-23	Public	Make greener alternatives more affordable for businesses (small businesses especially)	Affordability is incorporated in the draft guiding principles.
998	**User-friendly waste management systems**	Virtual Workshop	Public	13-Oct-23	Public	Economic component for businesses harder to implement- need to make it easier	Concepts of convenience and supporting economy are incorporated in the draft guiding principles.
999	**Extended Producer Responsibility (EPR)**	Virtual Workshop	Public	13-Oct-23	Public	Important to focus on Extended Producer Responsibility (EPR) programs- reduce their initial production and make a shift to greener alternatives	Focus on corporate accountability is incorporated in the draft guiding pricinciples.
1000	**Durability/longevity of products**	Virtual Workshop	Public	13-Oct-23	Public	Make products last longer at the outset of production- make it more durable so they can not end up in the landfill as fast	Concept of valuing and conserving materials and products in the region are incorporated in the draft vision and guiding principles.
1001	**Sustainable product design**	Virtual Workshop	Public	13-Oct-23	Public	EPR programs currently focus on recycling - think about all materials that go into the products so they are durable and repairable	Concept of valuing and conserving materials and products in the region are incorporated in the draft vision and guiding principles.
1002	**Extended Producer Responsibility (EPR)**	Virtual Workshop					Specific ideas on actions, strategies, or policies will be considered in future phases of plan development– particularly Idea Generation and Options Analysis.
1003	**Reduced plastic usage**	Virtual Workshop					Specific ideas on actions, strategies, or policies will be considered in future phases of plan development– particularly Idea Generation and Options Analysis.
1004	**Extended Producer Responsibility (EPR)**	Virtual Workshop					Specific ideas on actions, strategies, or policies will be considered in future phases of plan development– particularly Idea Generation and Options Analysis.
1005	**Extended Producer Responsibility (EPR)**	Virtual Workshop	Public	13-Oct-23	Public	Currently adding in mattresses for the EPR programs (think about materials used, plastic packaging, durability, reuse and repair)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development– particularly Idea Generation and Options Analysis
1006	**Product cycle**	Virtual Workshop	Public	13-Oct-23	Public	Programs should focus on the life cycle costs of products	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development– particularly Idea Generation and Options Analysis
1007	**User-friendly waste management systems**	Virtual Workshop	Public	13-Oct-23	Public	Make it easy to use for public (i.e make it streamline for residents to use at home- where do)	Promoting an easy to use, convenient solid waste system is incorporated in the draft guiding principles
1008	**Demolition and construction waste**	Virtual Workshop	Public	13-Oct-23	Public	Shipping outside of jurisdiction, not recyclable, it's not always good business to recycle for new construction. Want to know about jurisdictional scope.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development– particularly Idea Generation and Options Analysis
1009	**User-friendly waste management systems**	Virtual Workshop	Public	13-Oct-23	Public	People are confused at their blue bin so they just put it in their black one. Where do I drop it off? It seems complicated and so they give up.	Promoting an easy to use, convenient solid waste system is incorporated in the draft guiding principles
1010	**Awareness of environmental impact**	Virtual Workshop	Public	13-Oct-23	Public	Add climate change, resilience, GHG management. Help Cities understand the use/application of garbatores. Help to get diversion of food waste into liquid waste.	Concepts of resilience and cliate action are incorporated in the draft guiding principles.

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1011	**Re-use**	Virtual Workshop	Public	13-Oct-23	Public	The re-use part of the circular economy. 10% of textile recycling is North American, the rest is in India. We need space, scalability of chemical capabilities- to change from textile to textile, as opposed to downscaling. How far away are we? 5year? 10-year? Ex. H&M, chemical recycling methods a few pounds per day, but there are so many people working on it. Industry that makes the problem will likely be the owns who own the solution. Need to look at how this can be funded within a focus on circular economy. 40% of what we process gets re-used. This is the best we have right now. Textile recycling comes from charities (ex. Salvation army), but during COVID supply decreased so we incentivized the public for their textiles. Need support from the public where we can incentivize them. .20cents a lbs. This is an average price we can give to charities. Advancements in sorting/automation… it all comes down to funding, but we are relying on charities for supply, but it's not consistent. Seeking to partner with ReturnIt so we can find new avenues for donations.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1012	**Penalties**	Virtual Workshop	Public	13-Oct-23	Public	Industry wants to ship south or Alberta. There needs to be penalties so that waste doesn't leak out of our market. We need to have economics that make NOT RECYCLING not economically viable.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1013	**10 Emerging Themes**	Virtual Workshop	Public	13-Oct-23	Public	All 10 goals are critical and should maybe even be expanded	Noted.
1014	**Non-monetary incentives**	Virtual Workshop	Public	13-Oct-23	Public	There shouldn't be a financial incentive to recycle/divert waste. A gold star on the garbage can! Look at nonmonetary way to recognize communities, individuals and businesses who do a good job.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1015	**Penalties**	Virtual Workshop	Public	13-Oct-23	Public	Different than incentives is penalties. I don't like the idea of marrying recycling and waste. We aren't focussing enough on reducing waste at the top, eliminate waste before it's generated. The current focus on recycling is often married with investment in recycling infrastructure and investment in infrastructure locks us into recycling and can work against innovation and systemic changes to eliminate waste altogether. This is seen with industry pushback on single use plastic elimination and the buzz of a "circular economy for plastics" which focuses on recycling rather than elimination, when plastic recycling is inherently a linear process as plastic polymers are consistently degraded through the recycling process, or turned into end of life chemical products such as engineered fuel.	Concept of valuing and conserving materials and products (prioritizing waste prevention) are incorporated in the draft guiding principles.
1016	**Equity and Social justice**	Virtual Workshop	Public	13-Oct-23	Public	(Equity)This might get the least benefits in the end. Don't focus on it and then it will happen. Not everything can be a priority. All groups should have equitable access, but there will be uptake anyway.	Concept of enabling all users to participate in the system is incorporated in the draft guiding principles.
1017	**Promotion and awareness of re-use**	Virtual Workshop	Public	13-Oct-23	Public	(Incentives) Ex: we still see bottles in landfills, it doesn't really incentives. We need to have reusable bottles, as opposed to returnable deposit.	Concept of valuing and conserving materials and products (prioritizing waste prevention) are incorporated in the draft guiding principles.
1018	**Product standards/regulations**	Virtual Workshop	Public	13-Oct-23	Public	People who agree to buy products means the price needs to be included in the product to manage it.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1019	**Equity and Social justice**	Virtual Workshop	Public	13-Oct-23	Public	Equity - when it comes to recycling - what does this mean? Who is being excluded? How can recycling and waste reduction be all inclusive?	Concept of enabling all users to participate in the system is incorporated in the draft guiding principles.
1020	**Storytelling**	Virtual Workshop	Public	13-Oct-23	Public	The best way for education and information sharing for recycling is word of mouth	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1021	**Engagement, education and behavior change**	Virtual Workshop	Public	13-Oct-23	Public	Educating public in general - hard to do and does not generally work and it is a very hard task	Noted.
1022	**Behavioral change campaigns/ promoting responsible behaviors**	Virtual Workshop	Public	13-Oct-23	Public	Community - based social marketing programs - work when done very well to teach them on how to improve recycling habits	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1023	**Climate Resilience**	Virtual Workshop	Public	13-Oct-23	Public	Climate/ environment - isn't not important theme to focus on but will be achieved through focusing on the other themes	Noted.
1024	**10 Emerging Themes**	Virtual Workshop	Public	13-Oct-23	Public	Climate reduction will come hand in hand when the other themes like accountability and transparency are focused on now for this plan update	Noted. Accountability and transparency are incorporated in the draft guiding principles
1025	**Clarity on terms and definitions**	Virtual Workshop	Public	13-Oct-23	Public	Need more defined definition of those two items will make more sense when comparing it to the other 8 - too wide of a topic, needs to be more clear and concise	Noted.
1026	**10 Emerging Themes**	Virtual Workshop	Public	13-Oct-23	Public	What space is there to redefine the values and themes that are presented today?	Metro Vancouver will consider all engagement feedback and associated themes when developing the draft vision and guiding principles.
1027	**System change**	Virtual Workshop	Public	13-Oct-23	Public	Be open to complete shift in paradigm	Noted.
1028	**Community, regional and global collaboration**	Virtual Workshop	Public	13-Oct-23	Public	Acknowledge that we are global leaders in waste management and that what we chose to do will have a deeper and broader impact as other communities will follow.	Noted.
1029	**System change**	Virtual Workshop	Public	13-Oct-23	Public	Systemwide changes that may not leverage current technologies at all.	Innovation is included in the draft guiding principles.
1030	**10 Emerging Themes**	Virtual Workshop	Public	13-Oct-23	Public	Exapnd on emerging themes to mirror United Nations Sustainable development goals (i.e., poverty, gender equality, hunger)	Concept of enabling all users to participate in the system is incorporated in the draft guiding principles.
1031	**Circular economy**	Virtual Workshop	Public	13-Oct-23	Public	Focus on circular economy - priority for plan update - how do we achieve a more circular economy?	Valuing and conserving materials is incorporated in the draft guiding principles.
1032	**10 Emerging Themes**	Virtual Workshop	Public	13-Oct-23	Public	Individuals being accountable for their every day behaviours for waste reduction and disposal.	Individual accountability is incorporated in the draft guiding principles
1033	**Promotion and awareness of re-use**	Virtual Workshop	Public	13-Oct-23	Public	What could be done better to reduce nonresuable items fully? Rather than having some items resuable and others not (i.e., grocery stores)	Concept of valuing and conserving materials and products (prioritizing waste prevention) are incorporated in the draft guiding principles.
1034	**Storytelling**	Virtual Workshop	Public	13-Oct-23	Public	People willingly sacrificing the enviornment for convenience - coffee cups littered a lot.	Noted.
1035	**Accountability**	Virtual Workshop	Public	13-Oct-23	Public	If we are going to get rid of single-use plastics, then let's do it fulsomely and be conscious and accountable on all elevels to really achieve plastic reduction.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1036	**Innovation and Technology in Waste Management**	Virtual Workshop	Public	13-Oct-23	Public	There is a need to be attentive to changes in tech. Processing, market level, lots of innovation, use of AI/robotics.	Innovation and collaborative solutions are incorporated in the draft guiding principles.
1037	**Sharing resources and information**	Virtual Workshop	Public	13-Oct-23	Public	Intersectionality - look across sectors for opportunities to address what we currently think of as solid waste issues.	Collaborative solutions are incorporated in the draft guiding principles.
1038	**Food waste**	Virtual Workshop	Public	13-Oct-23	Public	Thinking of food waste as a liquid resource	Noted.
1039	**Clarity on terms and definitions**	Virtual Workshop	Public	13-Oct-23	Public	Problem with definition	The concept of transparency is incorporated into the draft vision and guiding principles. This would extend to clear definitions.
1040	**Sharing resources and information**	Virtual Workshop	Public	13-Oct-23	Public	Think across sectors and different technologies.	Innovation and collaborative solutions are incorporated in the draft guiding principles.
1041	**Regulation and policy development**	Virtual Workshop	Public	13-Oct-23	Public	Banning is highly incentivizing. Ban without a plan is NOT the way to go!	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1042	**Recyling options**	Virtual Workshop	Public	13-Oct-23	Public	People pay to get rid of drywall... it makes MV a leader for recycling this materials	Noted.
1043	**Consistency of regulations**	Virtual Workshop	Public	13-Oct-23	Public	Intersection between provincial regulations and what we are doing in the region. For example, some times provincial regs get in the way of recycling. ex: waste definitions	Noted.
1044	**Green/Fish waste**	Virtual Workshop	Public	13-Oct-23	Public	Under provincial guidelines - intended purpose - introduces barriers that are not necessary. ex. gypsum and blueberry farms. You can spread it in Washington without permit but not in BC.	Noted. Specific ideas on actions, strategies or policies will be considered in future phases of plan development particularly Idea Generation and Options Analysis.
1045	**Regulation and policy development**	Virtual Workshop	Public	13-Oct-23	Public	Drywall disposal is banned... if they did the same for plastic, it would incentivize the industry.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1046	**Clarity on terms and definitions**	Interview	Canadian Standards Association (CSA Group)	17-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy is about much more than reuse, repair, and thrifting instead of throwing things away. It's a reimagination of the economy and includes the use of renewable resources as inputs. The definition listed is very limited.	Noted.
1047	**Climate Resilience**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Climate resilience - investing in systems with low climate impact is a limited definition. We need to also invest in systems that are resilient to climate shocks and that are equitable. This is also an opportunity for the circular economy to reduce emissions. There is a tie-in between climate change and circular economy, comes forward under climate resilience.	Concept of resilience and climate action are incorporated in the draft guiding principles.
1048	**Environmental Stewardship**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship is limited in its definition of protection of natural spaces. This point is very relevant but more positioned as advancing bio-diversity. There is a new global bio-diversity framework that this should be positioned under and in our region, we should be working towards the goals of that framework. This is more than stewardship as we are exceeding planetary boundaries not just through Metro Vancouver but globally through Metro Vancouver supply chains.	Environmental stewardship is incorporated in the draft guiding principles.
1049	**Product standards/regulations**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Product design and innovation, the opportunity here is to design out waste in the first instance in the design phase and focus on extended producer responsibilities.	Innovation is included in the draft guiding principles. Specific ideas on product design to design out waste can be considered in future phases such as idea generation and options analysis.
1050	**Climate change**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy and climate change are the most critical priorities to put our region and society on a sustainable footing. Humanity is crossing planetary thresholds and MV should become a global player and role model in addressing these priorities. The SWMP should help deliver on that. Metro Vancouver can declare a bio-diversity emergency because we are exceeding planetary thresholds.	Concepts of circularity and climate action are included in the draft guiding principles.
1051	**Circular economy**	Interview					
1052	**10 Emerging Themes**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Some of the emerging themes could be combined. Some are quite small with modest impact compared to others.	Noted.
1053	**Incentives**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction for businesses and individuals would be low because we need to tackle the problem upstream and focusing on individuals will not move the needle fast enough. We can put a lot of effort there but it wont move the needle.	The concept of corporate accountability is included in the draft guiding principles. Specific strategies such as incentives can be considered in future phases including idea generation and options analysis.
1054	**Value of the environment**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship should be a priority but it should be redefined. We need to take an integrated approach that places value on nature and the services it provides, e.g. Ecosystem services.	Noted. Concept of environmental stewardship and valuing materials is included in the draft guiding principles.
1055	**Collaboration across the industry**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Missing from this list is a reference to circular business and sectors. Noted overweight towards individuals in these emerging themes. These should both be added as sections. Via Metro Vancouver National Zero Waste council produced a toolkit on circular business and case studies that can be leveraged to help businesses become circular. Metro Vancouver should also mobilize sectors through their associations to become circular sectors. Canadian Standards Association has an ESG guide for associations that can help with this, SPE #116: https://www.csagroup.org/store/product/CSA%20SPE-116:23/	Noted. The concept of corporate accountability is included in the draft guiding principles. Specific strategies such as mobilizing sectors through their associations can be considered in future phases such as idea generation.
1056	**Metro Vancouver - Vision and role & responsibilities**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Also missing off this list is advocacy and Metro Vancouver's role as an advocate e.g., advocacy to expand Extended producer responsibility and advocacy for harmonized regulations, standards and incentives, etc.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1057	**Waste management through a climate lens**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	This list is missing an ecosystem perspective. MV should create a systems map and an understanding of the systems, who are the players, and who needs to be mobilized? We are moving from a linear economy to a circular economy and that is the opportunity of a new solid waste management pan is to now put us on the path of a circular economy where waste is designed out of the system. Instead of having a thematic summary of the consultation as the route to creating a SWMP, MV should identify the leverage points that we need to activate in our regional economy so that we move towards a circular and net positive outcome.	Noted.
1058	**Metro Vancouver - Vision and role & responsibilities**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	MV's broader role with other levels of government is missing.	Noted.
1059	**Circular economy**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Circular procurement is missing and is a key driver.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1060	**Data integrity**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	The ecosystems map referred to above should identify where the levers are and what is missing.	Noted.
1061	**Educating people in the industry**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Education and training We need to train up the workforce to think about life cycle assessment, material selection, modularity, reverse logistics, product innovation.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1062	**Educating people in the industry**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	There will be sectors who generate the most waste who will need to be prioritized for this training, e.g. trades training, construction industry, building management, textiles, etc. Work sectorally and train the sectors and workforce in the sectors to have the information they need to help advance the circular economy.	The concept of corporate accountability is included in the draft guiding principles. Specific strategies such as sector-specific training can be considered in future phases including idea generation and options analysis.
1063	**System change**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	The plan is a fail if it does not centre circular economy, biodiversity, and climate change and where it is headed. Otherwise, you are tinkering, and we lose time, which we can't afford. It also drives investments and capital outlay. On the reverse logistics and land use planning, we will need places where materials can come and be sorted and sold. We will need to find a way that business cannot ship waste out of the region.	Circularity and climate action are incorporated in the draft guiding principles.
1064	**Metro Vancouver - Vision and role & responsibilities**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should have its own corporate objective to become a circular organization and be a role model for other governments, businesses and organizations generally.. It should have circular procurement and should have circular operations. It should train its staff to make decisions with circularity in mind. It can be used as a case study as a best practice organization. Metro Vancouver will need to get its house in order to get others to do the same. Metro Vancouver should seek to have other local governments also become best practice organizations so that you can think of it as a municipal sector working together on this idea of having sectoral strategies.	Noted.
1065	**Collaboration with First Nation communities**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Indigenous Reconciliation	Noted. Reconciliation is a priority of Metro Vancouver's Board Strategic Plan.
1066	**Collaboration across the industry**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Business leadership and sectoral leadership – mobilize sectors	Corporate accountability is incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1067	**Climate Resilience**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Biodiversity is missing – nature positive economy – regeneration of nature and not just preservation.	Noted.
1068	**Connection with the environment**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Looking to support positive human environment relationships. This leads to focussing on K12 students who can graduate with a nature positive outlook, they could become nature positive ambassadors	Noted.
1069	**Youth/Next generation focused education/engag ement**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Participatory design and involvement – How do we engage people in the solutions especially youth?	Metro Vancouver will strive to include youth and other underrepresented groups in engagement on current and future phases of plan development. In addition, specific strategies on how to involve youth in waste management solutions can be considered in future phases of plan development including idea generation.
1070	**Circular economy**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Single most important thing: transition to a circular, net positive, climate resilient and net zero economy - It should be an integrated vision that includes socio-economic prosperity and health	Concept of circularity is embedded in the draft guiding principles. Concept of a thriving region and healthy local economy are incorporated in the draft vision and guiding principles.
1071	**Connection with the environment**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Vision that shows how people can live well in harmony with nature.	Noted.
1072	**Circular economy**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Accelerate transition to circular, nature positive climate resilient and net zero economy. Ensure that sectors, individuals and workforce that may be left behind are brought into the new circular opportunity.	Concepts of circularity and climate action are included in the draft guiding principles. Local economy is considered in the draft guiding principles.
1073	**Connection with the environment**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	At root is waste and people and their relationship to the environment. We need to engage people to think about their relationship to the environment or no amount of planning will get us anywhere. It is not a good investment of public resources if we have not really got to underlying issue. It a bad investment of taxpayer's money to put money into a system and waste management programs that remain vested in the linear economy, it will not put us on solid footing.	Noted.
1074	**Youth/Next generation focused education/engag ement**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	In terms of principle to engage people in the solutions, consider how to bring natures voice to the table. How do we do that: -Create training and understanding for staff with the expertise to bring natures voice to the table. -Include youth and future generations. -Ensure the inclusion of Indigenous and environmental groups, e.g. BC Nature, SPEC. Streamkeepers – Stream stewards	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1075	**Collaboration with First Nation communities**	Interview					
1076	**Circular economy**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy experts and biodiversity and climate experts	Metro Vancouver is speaking with circular economy and climate experts throughout the plan development process.
1077	**Supporting local businesses**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Businesses that are already innovating in circular solutions	Concepts of collaborative innovative solutions are included in the draft guiding principles.
1078	**Collaboration across the industry**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Industry associations are missing	Industry associations representing various sectors will be engaged through the solid waste management plan update process.

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1079	**Circular economy**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Social purpose circular businesses whose purpose is to advance nature positivity and circularity – encourage more businesses to adopt circularity as their social purpose – the reason they exist.-MV can then mobilize and collaborate with these social purpose businesses, to create win-win solutions – help them be successful and grow. These businesses will unlock all their assets, resources, relationships and influence to advance circularity, as it's the reason they exist. By supporting businesses to adopt a circular purpose, and then collaborating with them MV can achieve its goals and help them achieve theirs. •F or example, Recycling Alternatives is a social purpose business whose purpose is to end our wasteful ways. MV could help this and other nature positive businesses achieve their circular ambitions.	Concepts of circularity and corporate responsibility are incorporated in the draft guiding principles.
1080	**Collaboration with First Nation communities**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Indigenous communities	Metro Vancouver is reaching out to First Nations community throughout the plan update process.
1081	**Policy reform in support of circular economy**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Circularity strategies at the local government, provincial and federal levels. We need standards for the new economy and what role can MV play to create standards for circular economy?	Concepts of icircularity and vibrant economy are incorporated in the draft guiding principles.
1082	**Regional standardization of services and practices**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Barrier – Local, provincial, federal governments operate in the old economy. We need to harmonize regulation, standards, legislation and incentives across these levels as governments and Metro Vancouver could be an advocate for this.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1083	**Land use**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	We need to imagine what circular logistics and circular infrastructure look like, and determine the implications for land use planning and building codes. (e.g. space for reverse logistics in building codes)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1084	**Affordability of waste reduction practices**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Reduce and eliminate economic incentives that maintain a linear economy. - Cheaper to discard than repurpose your waste	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1085	**Community-driven initiatives**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	MV should promote, support, and expand local Buy Nothing groups and other citizen efforts. Mobilize these Buy Nothing groups, they build community. What do we need to scale them?	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1086	**Policy reform in support of circular economy**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Circular procurement – MV should have a best in class circular procurement policy and support other businesses, local governments and organizations to replicate it	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1087	**Metrics - evaluation and measurement**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Metrics: We will need metrics to measure the transition to the circular and nature positive economy	Concepts of circularity, and metrics for waste reduction and recycling ,are included in the draft guiding principles.
1088	**Behavioral change campaigns/ promoting responsible behaviors**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Behaviour change – sustainable behaviour change -Community based social marketing – Doug Mackenzie Mohr -Ecosystem lens to identify the leverage points.	Concept of individual accountability including behaviour change or cultural shift are contemplated in the draft guiding principles.
1089	**Source reduction**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Invest upstream to design waste out of the system.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1090	**Sharing resources and information**	Interview	YWCA City Shift	17-Oct-23	NGO/non-profit and environmental stewardship groups	Canadian Standards Association – SPE #116 guide to help associations improve ESG (Environment Social Governance). - Use this tool for outreach to associations to mobilize and engage them on this transition – it includes 19 practices. This should be leveraged for associations. Sectors should work collectively to transition to the circular, nature positive economy and MV can support this collaboration.	Concept of circularity is embedded in the draft guiding principles. Concept of a thriving region and healthy local economy are incorporated in the draft vision and guiding principles.
1091	**Reduced packaging**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	Less packaging , more regulations so less waste to deal with.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1092	**Impact on wildlife**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	We need to consider how our waste management impacts our non human relatives- the animals we live with in and around the city (rats, bears, fish, birds, etc)	Environmental stewardship is incorporated in the draft guiding principles.
1093	**Incentives for producers/businesses**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	More incentives for businesses to reduce waste.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1094	**Equity and Social justice**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	Ensuring that folks with disabilities / differing abilities needs are part of the decision-making process when new policies are being considered Interconnection with other industries' climate plans (like measures to recycle materials from "tear-down" homes). Also think about partnerships with organizations that do repair and reuse materials.	Metro Vancouver will strive to include underrepresented and equity-denied communities through engagement on the solid waste management plan.
1095	**Penalties**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	I believe that Metro Van should be working with the producers of waste to penalize large amounts of waste	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1096	**Sorting**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	I also think that commercial waste needs to be looked at- we do a lot of work at home to separate our waste, and our building looks on a small grocery store and we see everything being tossed into the waste bins- including food waste and cardboard. it is frustrating.	Concept of corporate responsibility is included in the draft guiding principles.
1097	**Relationship building**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	Building community connections (I'm thinking about we deepen the share economy and create more opportunities like a Thingery (a shared repository of items borrowed) that support mutifamily living) Finding ways to balance delivered items (highly accessible) with reducing the waste connected to it (packaging, emissions) A Use What You Have campaign with videos on how to repurpose things, especially textiles if you're not into sewing.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1098	**Recyling options**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	More recycling options in large apartment buildings outside just paper, cans, glass and organics. E.g. Styrofoam is not allowed to go into the garbage, however, many packages still have styrofoam, requiring the recipient to seek out Recycling Depots (there is only on on Powell that will take it). that seems counterproductive considering the amount of styrofoam being received daily in delivered packages. Since the material is not banned, there need to be easier recycling options to ensure it doesn't end up in the garbage.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1099	**Reduce, Reuse, and Recycle (3Rs)**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	There needs to be much greater focus on reusing and on reducing packaging etc.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1100	**Need for a shift of responsibility from consumers to producers**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	Moving away from emphasis on individual actions towards a collective responsibility that puts the onus more on business and governments as opposed to tying it to personal altruism	Corporate and government accountability are included in the draft guiding pricniples, as well as promoting simple and convenient services to make it easier for all to participate.
1101	**Need for a shift of responsibility from consumers to producers**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	Less focus on individual accountability and more pressure on corporations and businesses to reduce waste.	Concept of corporate accountability has been incorporated in the draft guiding principles.
1102	**Source reduction**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	less waste produced equals less waste to manage	Waste reduction and prevention are incorporated in the draft guiding principles.
1103	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	I think waste management should be minimal, as it's absolutely critical that our efforts shift toward the circular economy. Focus accessible and affordable waste disposal on lower income communities, while considering how higherincome communities can be incentivized to reduce waste since they can afford higher cost green measures and have the privilege of time to pursue recycling, repair and waste-reducing initiatives if forced to.	Reducing barriers to enable all users regardless of life experience to participate fully is included in the draft guiding principles.
1104	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	I think clear information about recycling is really important	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1105	**Equity in information and education**	Collaborative Engagement - Survey	Women Transforming Cities	18-Oct-23	NGO/non-profit and environmental stewardship groups	I live in a walk up unit apartment building in North Vancouver, and there are lots of people living here who do not speak English. There is no waste information in different languages available. The District knows that the area I live in people primarily speak Farsi, so there should be waste information available in Farsi. The impact is that in our green compost bin, people put plastic bags, recycling and all sorts of waste which renders the compost unusable. This was every single week the same thing happened, and no one ever intervened.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1106	**Providing Information on Product Materials**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency: For example, organic labels – there's no clarity about the source and it's not clear ortransparent.	Concepts of accountability and transparency are incorporated in the draft guiding principles.
1107	**Incentives**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction: We need to motivate businesses and individuals to recycle.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1108	**Circular economy**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy: Feel we are a consumer society that's beyond disgusting and it's a very throwaway culture and we producemore garbage per capita than others. We need to be consuming less, reusing and cutting down production and changingnotions of production.	Waste prevention is included in the draft guiding principles
1109	**Sustainable product design**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Product design and innovation: We need to design products to be more circular and regenerative. There needs to be a lot lesspackaging waste.	Innovation is included in the draft guiding principles, along with waste prevention.
1110	**Environmental Stewardship**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship: It's important both here and overseas. We keep natural spaces here pristine, but we contribute topolluting other places.	Environmental stewardship is incorporated in the draft guiding principles.
1111	**User-friendly waste management systems**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Convenience and consistency: Having a child change my habits, it's important for families who may be producing a lot ofwaste to have some level of consistency for recycling that is available. If we work on making the process more convenient, itwill make the behaviour shifts a lot more feasible.	An easy to use, convenient and consistent system is included in the draft guidnig principles
1112	**Protection of natural resources**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Environment stewardship: Protection of natural spaces. We need to protect our natural spaces using the law. Canada wassending waste to other countries for disposal. What is the impact there? We need striker laws.	Environmental stewardship is incorporated in the draft guiding principles.
1113	**Incentives**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction: Incentives for businesses and individuals. Can give us better data forgovernment on what kind of waste people are producing. Incentives work – they go beyond education that does not alwayslead to behaviour change.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1114	**Equity and Social justice**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Equity and societal improvements: Equity in recycling. The binner's conversation and how they can support the communityand benefit. Changing the conversation and shifting stigma and shift conversations about recycling and waste in general.	Concept of inclusion is incorporated in the draft guiding principles.
1115	**Circular economy**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy: People aren't aware of ways to do this: i.e. trading and awareness for people to know how they cancontribute to the circular economy and Metro Vancouver could be a platform for people to do that.	Concept of keeping materials in circulation is incorporated in the draft guiding principles.
1116	**Regional standardization of services and practices**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Convenience and consistency: People who move around a lot have different arrangements apartment single family home are all different, so it's hard for transient communities to recycle. Make it easy for folks.	Convenience and consistency are incorporated in the draft guiding principles.
1117	**Equity in information and education**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Equity and societal improvements: As it relates to communities and language accessibility for communities to learn how torecycle in different ways	Concept of inclusion is incorporated in the draft guiding principles.
1118	**Climate Resilience**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Climate resilience: Tired of policies that that revolve around individuals. Want it to be more systemic. Can have a bettersystem for waste.	Concepts of greenhouse gas reduction and resilience to climate change are incorporated in the draft guiding principles.
1119	**Producers Accountablility**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency: Especially for producers and businesses is important. i.e. lots of things wrapped in plasticwhen they're already in a package, etc. There should be more expectations for bigger producers of waste to reduce theirwaste and less on the consumer.	Accountability is included in the draft guiding principles. Specific actions will be explored in the idea generation and options analysis phases.

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1120	**10 Emerging Themes**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	It was a struggle to pick only two because they're all linked.	Noted.
1121	**Regional standardization of services and practices**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Affordable and accessible: Making choices easy and reducing barriers – but this is actually linked closely to consistency,especially in different jurisdictions, making it easy for folks who are moving.	Affordability and accessibility are concepts captured in the draft vguiding principles.
1122	**Circular economy**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Circular economy: Moving away from linear economies and moving to thrifting is very important and pays tribute to culturesthat are already doing so. But this is linked to product design too, as products will be made for multiple uses. These aresystemic solutions that need to be thought of.	Keeping materials in circulation is included in the draft guiding principles.
1123	**Systematic barriers**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Equity and societal improvements: Remove systemic barriers and the barriers around waste and recycling to discriminateagainst people. Through waste, zoning was changed and people may no longer have access, etc.	Concepts of convenience/accessibility and inclusion are included in the draft guiding principles.
1124	**Educating people about waste reduction/management**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behaviour change: Important to have education, people still don't know how to recycle products.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1125	**Producers Accountablility**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency: Companies should be accountable for natural resources and should be accountable.	Accountability and transparency are included in the draft guiding principles.
1126	**Incentives**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction: For businesses and individuals this is not stopping certain types of consumption. It's not working in many places and there is a risk that incentives make things optional. We need more systemic changes.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1127	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behavioural change: This isn't something Metro Vancouver should be doing, they can ally themselves with communities who do this work well.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1128	**Metro Vancouver - Vision and role & responsibilities**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behavioural change. Metro Vancouver should not be doing this, but there are much larger problems at hand that Metro Vancouver should be looking at. Metro Vancouver plays a key role in operations.	Noted.
1129	**Incentives**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction: It will be a nice thing to do instead. Ingrained as a part of the culture instead. Worry that incentives make things nice to do and not systemic. Carrot and stick model. How do we change culture and not just short-term incentives? How do we create systemic solutions?	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1130	**Incentives**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction: It's not changing things in a significant way currently. We need better options and less opportunities to create waste.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1131	**Metro Vancouver - Vision and role & responsibilities**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behavioural change: Not Metro Vancouver's role to do education. And education puts too much focus on consumers. Metro Vancouver needs to make the system better.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1132	**Incentives**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction: Similar thought stream as the folks before. Operate with strategies and policies in place, if we change the structure it will influence people's behaviour and normalize it, it changes actions on a larger scale instead of it being a choice. Think about mushrooms – remove plastic packaging option. Think about how we operate within systems. Our decisions are based on policies that are already in place. Need to shift structures to change behaviour. We need to have better recycling options.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1133	**Accountability + Transparency**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency: It goes hand in hand. Primary avenue that organizations and individuals that can participate in. Normalizes it as how Metro Vancouver operates.	Accountability and transparency are included in the draft guiding principles.
1134	**Sustainable product design**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Product design and innovation: Designing products to be more circular and regenerative is important, but research can be very costly and some companies won't do it. There are also regulatory challenges to consider.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1135	**Metro Vancouver - Vision and role & responsibilities**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behavioural change: Again, should not be Metro Vancouver. There are other organizations that can focus on this.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1136	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behavioural change: Awareness is needed, even though it's a part of the bottom two.	Noted.
1137	**Right to repair**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Product design and innovation: We use things too much and we don't repair. We need a culture of repair, not just creating more.	Concept of circularity is embedded in the draft guiding principles. Specific ideas on how to achieve this, such as repair, will be considered in subsequent phases.
1138	**Incentives**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction: This is the lowest bar of what people to need. There are other institutional problems that exist and should be addressed first.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1139	**Metro Vancouver - Vision and role & responsibilities**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Product design and innovation: Should not be handled by Metro Vancouver who will be unable to regulate. There are major gaps.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1140	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Education and behavioural change: Feels like it happens across generations. People return to a sense of what's comfortable.	Noted
1141	**Accountability + Transparency**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency: It felt like one of the lower priority pieces because they're looking the actionoriented items. Don't' know how effective they will be in this realm.	Noted.
1142	**Access to Waste management Data**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	When they're saying we're leading the recycling rate of 65%, what part is business and what part is residential?	Metro Vancouver reports the recycling rate of each sector as part of the Annual Recycling and Solid Waste Summary.In 2021, the residential sector achieved a recycling rate of 54% (63% single-family homes, 37% multi-family homes),the commercial/institutional sector recycled 46%, and the construction & demolition sector recycled 79%.

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1143	**Community engagement**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	At what stages of the plan development will community engagement be sought?	Throughout each phase of the plan update process, there will be engagement with First Nations, member jurisdictions,advisory committees, and the public. This engagement will happen before Metro Vancouver staff draft the strategies,actions, and targets to include in the updated solid waste management plan.
1144	**Continuous engagement and communication**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Who else is Metro Vancouver reaching out to in these engagement sessions? Businesses or industry?	Metro Vancouver is committed to engaging audiences who may be impacted by or have an interest in the review andupdate of the solid waste management plan, including: -Government and regulatory agencies: including First Nations in BC*, provincial and federal governments,member municipalities, adjacent regional districts, crown corporations, airport and port authorities, and healthauthorities -Waste and recycling industry: including haulers, processors, extended producer responsibility programs,disposal facilities, waste/recycling industry associations, binner community, and reuse/repair organizations -Waste producers: including various sectors such as food service, grocery, construction, tourism, office andproperty management, real estate, retail, residents, and educational institutions -Industry and business associations: professional associations and academic institutions -Community, environmental and non-profit groups: NGOs, youth and students, and Urban Indigenous Peoples -Metro Vancouver residents: community members from all 21 member jurisdictions
1145	**Holistic/Systemic approach to waste management**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Would like to see how local governments start a pilot project (i.e. elimination of plastic bags). Want to see the process and lessons learned.	Metro Vancouver is involved in a few initiatives that strive to reduce single use items:: -We are currently working with Ocean Ambassadors Canada to encourage residents to make the switch toreuse from single-use items. Ocean Ambassadors are doing webinars with business offices in the region toeducate employees and education at events. -There is a regional scholar project in progress that would study the benefits of reuse at an office cafeteria and at events. - Lessons learned will be applied to future initiatives.
1146	**Transparency**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Did Metro Vancouver share why they are using this approach to community engagement? What is it that they hope to hear from the audiences that they have engaged in the consultations.	Metro Vancouver's engagement plan for the vision and guiding principles phase aims to seek feedback on what is important in terms of the way we purchase, use, reuse, repurpose, recycle and throw things away in Metro Vancouver, and what could be better in the future. We would like to engage with audiences and groups that have interest in solid waste in the region, as well as audiences that we don't usually hear from in engagement on our management plan updates.
1147	**Community engagement**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	Why is Metro Vancouver engaging non-profit groups to do their community engagement?	Through our collaborative engagement initiative, we are looking to work with and provide funding to not-for-profit organizations, those that include or represent underrepresented or equity-denied communities, youth, seniors, urban Indigenous people, and environmental groups, to receive feedback from perspectives that are not often represented in Metro Vancouver's engagement processes.
1148	**Research and Policy**	Collaborative Engagement - Workshop	YWCA City Shift	18-Oct-23	NGO/non-profit and environmental stewardship groups	It would be interesting to know if Metro Vancouver has done any research on whether or not residential recycling practices increases women's domestic labour. (i.e. women staying up to do laundry at the cheaper electricity rate example)	We have not done any research into this area, but thank you for bringing it to our attention. It is an important area to know the impacts of our services on different groups.
1149	**Waste management through a climate lens**	Interview	Youth and Education Advisory Panel	20-Oct-23	Metro Vancouver Advisory Committee	Climate resilience and environmental stewardship should be together as you cannot have one without the other – protecting natural areas is important but there needs to be focus on being ecologically resilient. If you are just conserving the environment then you are not doing the most in stewardship, you have to always think of climate. Climate resilience is dependent on the bioenergy	Environmental stewardship and greenhouse gas reduction are together as part of the same draft guiding principle.
1150	**Source reduction**	Interview					
1151	**Sustainable product design**	Interview	Public	20-Oct-23	Public	Circular economy and product design and innovation should be amalgamated together – Metro Vancouver should incentivise start up funding or re-use business campaigns on behalf of municipalities, to encourage federal or provincial governments to make the region more appealing to have reuse businesses here and to make this the place they want to do that.	Noted.
1152	**Investments in green technology**	Interview					
1153	**Implement re-use systems**	Interview	Public	20-Oct-23	Public	Arcteryx has a reuse program where they reuse materials, Avalon dairy has a reuse program where they reuse glass bottles. There needs to be these options for businesses to reuse materials, outside the Vancouver area. Focus appears to be mainly on the major city areas.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1154	**Consumption habits/patterns**	Interview	Public	20-Oct-23	Public	Behavior change is at the bottom for me as it is often a big focus for local governments. People are always going to choose the most convenient option related to their values. Don't rely on people doing the right thing but focus more on them doing the easiest thing. If you are able to make that the most sustainable option, then you have done a great job.	Convenience is part of the draft guiding principles.
1155	**Incentives**	Interview	Public	20-Oct-23	Public	Incentives – they can be very beneficial. Businesses that don't care or don't consider waste reduction a priority, will keep doing business as usual. If there are already businesses doing waste reduction without an incentive then it is a waste of funding to incentivize what they are already doing.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1156	**10 Emerging Themes**	Interview	Public	20-Oct-23	Public	Nothing missing from my perspective – there are a few that are similar that can be amalgamated to reduce confusion. If there is a choice between two that are similar, it can result in insights or perspectives being missed.	Noted.
1157	**10 Emerging Themes**	Interview					

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No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
1158	**10 Emerging Themes**	Interview					
1159	**Climate justice**	Interview	Public	20-Oct-23	Public	Climate change and climate justice. Everything is for planning for the future. How is climate change going to impact our systems? Are we furthering climate change? Are we making it worse? How can we plan for climate emergencies and make it resilient.	Resilience to climate change and other external factors is incorporated in the draft guiding principles
1160	**Climate change**	Interview	Public	20-Oct-23	Public	Climate change is about people and making sure that everyone is cared for and (lowincome families can access cooling centres in extreme heat) to ensure that everyone can be safe. Population growth is another focus.	Resilience to climate change, greenhouse gas reduction, and inclusive programs and services are incorporated in the draft guiding principles.
1161	**System change**	Interview	Public	20-Oct-23	Public	No matter how sustainable you make your system, it has to be done in a way that is not inconveniencing. This is a great opportunity to make it more sustainable, accessible and more convenient for the average person. If it is made too hard to use and understand then no one will use it.	Convenience is included in the draft guiding principles.
1162	**Multi-lingual support**	Interview	Public	20-Oct-23	Public	Translated into languages outside of English to reach broader audiences. Immigrant communities identify the top languages spoken in Vancouver. Construction industry – high waste production and material use- Industry needs to become more circular and reduce waste.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1163	**#N/A**	Interview	Public	20-Oct-23	Public	Senior citizens are a great group that have a larger capacity for engagement due to time they can dedicate.	Noted.
1164	**Collaboration with First Nation communities**	Interview	Public	20-Oct-23	Public	First nations and urban indigenous youth – i.e. members of the skookum lab in surrey.	Noted.
1165	**Relationship building**	Interview	Public	20-Oct-23	Public	Maintaining relationships with groups that you have reached out to beyond the purpose of the SWMP and broaden the reach so that they do not always reach out to certain stakeholder groups.	Noted.
1166	**Relationship building**	Interview	Public	20-Oct-23	Public	Metro Vancouver needs to want a relationship with these groups – efforts need to be made to have an ongoing relationship instead of just connecting with the intention of wanting something from them. Leaving doors open so that ideas can be brought in as they occur.	Thank you for this comment. Metro Vancouver will consider this as we plan for subsequent phases of engagement, with the intent to develop ongoing relationships with interested and affected parties.
1167	**Relationship building**	Interview	Public	20-Oct-23	Public	Possible to apply key staff for certain stakeholder groups to ensure consistency in relationships and relationship building.	Noted.
1168	**Continuous engagement and communication**	Interview	Public	20-Oct-23	Public	It is great seeing this approach to the engagement that Metro Vancouver is doing – seeing videos from website and information on diversion is encouraging to see but we can do better. It is encouraging that they feel they can continue to change.	Noted.
1169	**Source reduction**	Interview	Public	20-Oct-23	Public	Suggestion to not rely on plastics recycling as much as we have done but focus on source reduction – plastic recycling is low due to its grade – compostable plastics need a specific type of plant to be composted. MV needs to establish an additional waste stream or tell businesses to find something else.	Concept of waste prevention is incorporated in the draft vision and guiding principles.
1170	**Behavioral change campaigns/ promoting responsible behaviors**	Interview	Public	20-Oct-23	Public	For people that are not always thinking about this, don't rely on the public to do the right thing, just make it easy and accessible for people to easily reduce waste. People may not even realize that they are participating in something sustainable – if it is easy, they may start reducing waste regardless of whether they care or not.	Draft guiding principles emphasize a solid waste and recycling system that is affordable, convenient, and consistent across the region to make it easier for people to participate and reduce waste.
1171	**Recycle**	In-person Workshop	Public	24-Oct-23	Public	What happens to the 35% that is not recycled?	Metro Vancouver operates six recycling waste centers and a waste energy facility, and the City of Vancouver operates a landfill in Delta. Most of the waste that's disposed of either goes to the waste energy facility or the Vancouver landfill. Metro Vancouver also has contracts with three remote landfills where about 10% of the garbage is shipped. Additionally, there's some construction and demolition waste that's managed through private facilities.
1172	**Energy waste**	In-person Workshop	Public	24-Oct-23	Public	What percentage goes to the waste energy facility?	Roughly 25% of the approximately one million tons of garbage disposed of every year goes to the waste energy facility.
1173	**Clarity on terms and definitions**	In-person Workshop	Public	24-Oct-23	Public	I struggle with the idea that we have a shared understanding of what some of the themes mean.	Noted. Metro Vancouver has drafted the vision and guiding principles with efforts to ensure the language is accessible, avoids jargon, and describes specifically what is meant.
1174	**System change**	In-person Workshop	Public	24-Oct-23	Public	Climate resilience – investing in systems with low climate impact: Need for a system change meaning we need to shift from our current system of single use to a reuse system.	Noted. Concept of circularity is captured in the draft vision and guiding principles.
1175	**Regional standardization of services and practices**	In-person Workshop	Public	24-Oct-23	Public	(Climate resilience) In British Columbia, there is a significant issue where many trucks transport containers that are not compacted or densified. Unlike other regions in North America where containers are compressed at the point of collection, BC does not have this practice. It is important to encourage producers to organize responsibly and this approach would significantly reduce the fuel consumption and emissions associated with transporting containers filled with mostly empty air.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1176	**GHG/Carbon emission reduction**	In-person Workshop	Public	24-Oct-23	Public	(Climate resilience) Greenhouse gas emissions reduction should be on top of the list and taken into account and used to inform choices about what you focus on and what the collection processes are.	Climate action is incorporated in the draft guiding principles.
1177	**Recyling facilities/depots**	In-person Workshop	Public	24-Oct-23	Public	(Accountability and transparency): The BC government faces challenges in enforcing producer pay regulations in the recycling system. Several parties work together to maintain an accessible and sustainable recycling system in the community. However, there's a concerning trend of recycling depots closing at a rate of 1.6 per year since 2019. The issue is that these depots rely on adequate volumes and fair compensation to remain viable. Many depots at risk of closure experience municipalities and regional districts diverting materials away from them and using taxpayer money to subsidize collection costs. This makes Producer Responsibility Organizations less likely to pay their fair share for collection, allowing them to avoid fulfilling their obligations to cover the full cost of collecting materials. Question: what's the role Metro Vancouver sees for the small business depots in waste management in the region?	Independent recycling depots are a key part of the waste reduction and recycling infrastructure in the region. Metro Vancouver operates six recycling and waste centres and there are around 5060 privately operated depots spread across the region making recycling more accessible and convenient for residents. Metro Vancouver has expanded recycling options at its recycling and waste centres in support of a onestop-shop experience for customers for disposal, recycling, and reuse, thus increasing convenience. While this may mean some material is dropped off at Metro Vancouver facilities rather than depots, there's a need to find a balance between maintaining depot networks and providing customers with more options at regional facilities. Additionally, the issue of self-serve drop-off containers, like express depots, creates convenience for the customers but diverts materials from depots, posing a similar challenge. While the challenges are understood, a specific solution is not yet available.

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1178	**Need for a shift of responsibility from consumers to producers**	In-person Workshop	Public	24-Oct-23	Public	(Accountability and transparency) It's important to distinguish between holding producers and consumers accountable as they have different roles. We should focus on producers taking more responsibility rather than putting too much burden on consumers. Over the years, society has emphasized recycling and individual responsibility, but blaming consumers for not doing enough isn't helpful. The complexity of waste management isn't their fault, with numerous confusing rules and a lack of clear information. Consumers can be educated not on waste management but on the	Accountability from all parties is emphasized in the draft guiding principles.
1179	**Awareness of environmental impact**						
1180	**Engagement, education and behavior change**	In-person Workshop	Public	24-Oct-23	Public	Education is the key. Many people lack understanding about what materials belong where, the difference between clean wood and other items, and the importance of knowing what's considered clean or not. Knowledge about available facilities, like transfer stations and recycling centers, is also crucial. By directing consumers to nearby facilities that can handle their materials, we can reduce carbon emissions associated with long-distance travel, ultimately promoting more environmentally friendly practices.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1181	**Circular economy**	In-person Workshop	Public	24-Oct-23	Public	(Circular economy) Looking back at plans 10 years ago, they had no mention of a circular economy. It is a new concept that's now being introduced into this discussion and is very crucial.	Concept of keeping materials in circulation is incorporated in the draft guiding principles.
1182	**Circular economy**	In-person Workshop	Public	24-Oct-23	Public	In favor of a truly circular economy; however, it is very difficult to find a truly circular economy.	Noted.
1183	**Equity and Social justice**	In-person Workshop	Public	24-Oct-23	Public	I did not put it as my top two; however, equity and justice are crucial in any waste management improvement efforts. While it may not be the top priority, it should be a foundational filter for evaluating all efforts. We need to consider justice and ensure that transitions, such as changes in recycling depots, do not disproportionately impact those who rely on such services or those with lower socioeconomic status. Equity and social economics should play a central role in promoting non-wasteful ways of living.	Inclusive programs and services are highlighted in the draft guiding principles.
1184	**Clarity on terms and definitions**	In-person Workshop	Public	24-Oct-23	Public	This might be a definition issue, but the focus should shift towards designing products for longer use rather than merely classifying them as environmentally friendly. This means creating products with a more circular and regenerative approach, where they remain in use for an extended period before requiring remaking or disposal. The change needed is in how products are designed and built, emphasizing durability and longevity to minimize waste and promote sustainability.	Keeping materials in circulation is included in the draft guiding principles.
1185	**Consumption habits/patterns**	In-person Workshop	Public	24-Oct-23	Public	(Product design) It is in the bottom two for me because public policy and municipal agencies have limited influence when it comes to product design. Consumer preferences and societal pressures are much more powerful than attempts to shape product design through policy. It is not practical and trying to use planning processes to make a meaningful difference in this context is often seen as a losing battle, given the strength of consumer and societal influences. On the other hand, there is ongoing innovation in sustainable packaging by consumer product manufacturers, which influences design decisions daily. However, the focus is often on aesthetics rather than recyclability, even durable products are not typically designed for disassembly or recycling.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1186	**Implementation of incentives**	In-person Workshop	Public	24-Oct-23	Public	(Incentives) The challenge is understanding how to practically implement incentive-based charging systems for waste generation. While conservation programs and pricing mechanisms have effectively reduced resource consumption in areas like water, gas, and electricity, applying the same approach to waste in dense urban environments presents a complex problem.	There are some success stories, of course. For instance, there are European programs where residents are charged on their swipe cards each time they use the bin in their basement. Although there are possibilities as to how to do that in different urban environments, it is more challenging than singlefamily homes. Locally, reducing the frequency of garbage collection to biweekly while introducing organics disposal has been highly effective in waste reduction for single-family households. This approach involves making garbage disposal less convenient and recycling more convenient, using a combination of convenience and incentives or disincentives to encourage desirable behavior. However, finding the right balance and making this approach work effectively remains a challenge.
1187	**Educating people about waste reduction/management**	In-person Workshop	Public	24-Oct-23	Public	Many people are unaware that there's a price difference based on the size of their garbage container for collection services. For instance, personally when switching from larger to smaller bins, I was surprised to learn about the cost variation. A better approach would be to initially provide smaller bins and then inform residents about the option to pay for larger ones when they need them, especially if they have to pay for additional garbage tags. This highlights the importance of raising awareness and ensuring people have the necessary knowledge about their waste collection options.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1188	**System change**	In-person Workshop	Public	24-Oct-23	Public	The concern here is that the current focus on recycling is problematic because the recycling system is flawed. I believe that recycling should come after addressing higher-priority issues and ensuring that only high-quality materials are recycled into usable goods, not low-quality or disposable products. There is a need for a nuanced approach to waste reduction, with a greater focus on reducing waste at the source. Incentives are a potential solution, especially for businesses, but the consumers should not be negatively incentivized. The key is to change how we perceive waste, recycling, convenience, and therefore there is a need for education to drive a shift in behavior and reduce waste effectively.	Concepts of waste prevention and valuing materials are included in the draft vision and guiding principles.
1189	**Barriers**	In-person Workshop	Public	24-Oct-23	Public	It is challenging to make equity work.	Noted.
1190	**Clarity on terms and definitions**	In-person Workshop	Public	24-Oct-23	Public	Glossary of terms (In response to What is missing in this list of emerging themes? What else..?)	The concept of transparency is incorporated into the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of the plan development- particularly Idea Generation and Options Analysis.

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1191	**Partnership with various levels of government**	In-person Workshop	Public	24-Oct-23	Public	I work on system integration and breaking down silos in waste management, with a particular focus on viewing food waste as a liquid. In Metro Vancouver, there are various committees and departments and the tendency to categorize waste into separate buckets, like liquid waste plans and solid waste plans. There is a need for breaking through these silos and approaching waste management as cross-disciplinary opportunities to foster collaboration and innovation, which is currently lacking in the terminology used.	Noted.
1192	**Holistic/Systemic approach to waste management**	In-person Workshop	Public	24-Oct-23	Public	I believe it's crucial to see waste management in the context of the broader climate crisis. While waste management is vital, it's just a small piece of the larger climate change puzzle. We need to shift our focus from merely managing waste to rethinking the entire product lifecycle. There are underlying assumptions and beliefs that influence our discussions on waste management, and we should bring them to the surface for examination. We may find that some of these beliefs are not as harmless as they seem and need reevaluation. Consumer behavior, like shaming others for not recycling, is influenced by these implicit understandings about recycling, which may not always hold true. It's time to question these beliefs to better address waste and climate issues.	Climate action is incorporated in the draft guiding principles.
1193	**Solid Waste Management Plan - logistics and implementation**	In-person Workshop	Public	24-Oct-23	Public	In this field, it's important not to be overwhelmed or discouraged by the vast and complex challenges. The key is to focus on creating actionable plans that can make a real difference.	Noted.
1194	**Sorting**	In-person Workshop	Public	24-Oct-23	Public	BC lacks automation in recycling, unlike other provinces in Canada, where customers can simply hand over their bags of bottles, and machines sort the materials for them. In BC, customers are required to sort everything themselves.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1195	**Financial incentives**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should consider the financial incentives and penalties associated with regulation to encourage businesses to participate in food waste reduction	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1196	**Continuous engagement and communication**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should ensure meaningful and authentic engagement by incorporating feedbackand insights from stakeholders into the plan	Noted. Metro Vancouver will make all efforts to truly consider and incorporate feedback received through engagement in the plan update process. Engagement feedback during the vision and guiding principles phase directly helped to shape the draft vision and guiding principles.
1197	**Collaboration with First Nation communities**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver needs involve Indigenous voices and communities in the planning process.	Noted. Metro Vancouver is engaging with First Nations at all phases of the solid waste management plan update process.
1198	**Continuous engagement and communication**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should engage with large mainline suppliers, such as Gordon Food Services and Sysco, to address their role in food waste management and prevention	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1199	**Supporting local businesses**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should provide food businesses with sufficient time to adapt to any new regulations and provide supports for businesses with any sustainability initiatives they undertake	Noted.
1200	**Engagement, education and behavior change**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	As much as Metro Vancouver is responsible for Metro Vancouver, this is a global problem. And there isno one government that can solve this on their own. I think starting with education is really key for all of these things.	Noted.
1201	**Accountability + Transparency**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	And then if I had to pick another one, I'd say accountability and traceability. And that kindof goes back to industry. And policy and regulation. Without accountability or transparency, then you're left to individual businesses making individual decisions. Some may be making the right decision, but, as we know, a lot are making the financially best decision for just their business. So, I think these themes are really paramount as well.	Accountability and transparency are included in the draft guiding principles.
1202	**Penalties**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should explore the feasibility of implementing a fee based on waste usage and assess the need for larger bins and more frequent pick-ups for businesses	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1203	**Regulation and policy development**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should consider regulations requiring businesses to donate usable surplus food	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1204	**Incentives for producers/businesses**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should explore the possibility of incentivizing businesses to hire sustainability analysts	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1205	**Collaboration across the industry**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should collaborate with food recovery organizations and social enterprises to develop a food recovery hub	Metro Vancouver is currently working with food recovery organizations and will review the programs to determine future participation. The concept of collaborating to develop solutions for waste management is incorporated in the draft guiding principles.
1206	**Subsidies for Sustainable Practices**	Collaborative Engagement - Interview	Vancouver Food Runners	25-Oct-23	NGO/non-profit and environmental stewardship groups	I would expect most businesses to have that in place, thinking about prevention, because it just impacts their bottom line, so they're careful about that sort of thing. But I think having funding for roles that can look more carefully at that, especially for businesses that might not have the size to afford that,like a sustainability analyst type of role where you can evaluate and measure and then follow up on reporting. With something like, how much waste are we producing or what's our carbon footprint? With those types of rules, I think a business has to set aside budget for it, and there's not a very clear impact or return on that investment of hiring a person for it. So, having it incentivized or subsidized, I think would be really helpful or even like a consulting type of option for that.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1207	**GHG/Carbon emission reduction**	Collaborative Engagement - Interview	Vancouver Food Runners	26-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should explore the carbon emissions impact of circular economy initiatives, assesstheir effectiveness, and engage in more in-depth discussions and consultations with businesses to understand their operations and challenges	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1208	**Incentives for producers/businesses**	Collaborative Engagement - Interview	Vancouver Food Runners	26-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should consider implementing incentives and rewards for businesses that comply with waste reduction policies, and develop a reporting system for businesses to track and report their waste reduction efforts, with rewards or penalties based on compliance	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1209	**Subsidies for Sustainable Practices**	Collaborative Engagement - Interview	Vancouver Food Runners	26-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should consider creating city awards or recognition programs to showcase andsupport businesses that prioritize waste reduction and sustainability	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1210	**Incentives**	Collaborative Engagement - Interview	Vancouver Food Runners	26-Oct-23	NGO/non-profit and environmental stewardship groups	I know from speaking to other businesses and members of the business community that when new policy or waste protocols or fees or whatever you want to call it are put in place, the onus is always put on the businesses to just comply and follow the rules, and this is the way it's done now versus really trying to find a way to incentivize the behaviour and reward businesses that have higher levels of compliance and also the individuals.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1211	**Accountability + Transparency**	Collaborative Engagement - Interview	Vancouver Food Runners	26-Oct-23	NGO/non-profit and environmental stewardship groups	And you do that sort of thing by having that accountability and that transparency and showcasing who's doing it well and who's not. I think if there was, you know, a work with us and let's incentivize companies who do this exceptionally well, it would be so much more effective than I think what happens often, whichis either the City or Metro Vancouver imposing things and, you know, without getting as much input from the business community. So, that's kind of my rationale behind the two that I think speak to me the most as being things that could be improved.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1212	**Allocating resources for education at various levels**	Collaborative Engagement - Interview	Vancouver Food Runners	26-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver needs to support with developing food waste training sessions and certification program for those in the food industry	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1213	**Sharing resources and information**	Collaborative Engagement - Interview	Vancouver Food Runners	26-Oct-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver needs to support with developing an information portal for food businesses to share resources, best practices, and get inspired to reduce food waste.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1214	**Regulation and policy development**	Collaborative Engagement - Interview	Vancouver Food Runners	26-Oct-23	NGO/non-profit and environmental stewardship groups	At some point, you maybe need to force the hand a little bit and then people need to adapt and then you realize it's not so bad and then you just naturally get used to it. For example, like how the City of Vancouver has a food safe certification, so you need to know the food standards. I was thinking there should be a food waste certification that every chef needs to have-a certification when you're hiring people, you need to know the certification.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1215	**Sharing resources and information**	Collaborative Engagement - Interview	Vancouver Food Runners	26-Oct-23	NGO/non-profit and environmental stewardship groups	Sharing information: for example, there should be a portal, like what the City of Toronto doing or what the City of Seattle is doing, how we can share this information, so we have more resources. And, you know, just sharing each other's best practices A place where we can get more inspired and have a target. That's the one thing we are missing.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1216	**Clarity on terms and definitions**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Circular economy and how it is referenced is confusing. The words after the dash read more like the hierarchy of recycling as opposed to creating a meaningful circular economy. Circular economy is a priority but in the context of waste management that achieves social, economic and environmental outcomes.	Noted.
1217	**Environmental impact**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	There are a lot of strategies and policies focused on environmental outcomes rather than recognizing that our waste management systems can and should be designed with environmental, economic, and social outcomes in mind. In fact, EPR has a foundation of economic policy – producers paying the cost – coupled with regulated environmental targets to get environmental outcomes. This is being underimagined when it comes to the potential for achieving environmental outcomes and coupling them with economic and social outcomes. Quite frankly, environmental outcomes are never going to be a reality if systems are designed to be fair to the stakeholders in it and benefit them economically and socially.	Concepts of environmental stewardship, collaboration, and economic vibrancy are included in the draft guiding principles.
1218	**Regional standardization of services and practices**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Affordability and accessibility – Reuse and recycling. We want the systems to be onestop and accessible in all rural and urban communities across the province and affordable for consumers to access but we also want them to be viable to stay in operation. This is a real struggle in the system – and it's relevant to local government and the small businesses in their communities (i.e., depots).	Concept of inclusive and affordable services is included in the draft guiding principles.
1219	**Recyling facilities/depots**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Depots are not just beverage containers or bottles; a lot of depots are multimaterial and can offer one stop accessibility for recycling and reuse opportunities. The problem is that the stakeholders in the system aren't working together to really clarify what their role is and should be relative to producers in an Extended Producer Responsibility regulatory environment. For example, producers are supposed to pay collection service providers full costs. But they aren't doing this – they are using the monopoly power of Producer Responsibility Organizations (PROs) to underpay depot small businesses. We believe they are doing the same to local government but local government may not know its costs as clearly or believes that it has to pick up the slack of producers and subsidize recycling and reuse opportunities for their citizens. As more and more depots shut down due to unfair pay (i.e., an average of 1.6 per year, with 162 depots remaining in BC overall), then the onus will fall to local government to pick up the slack. Local government will lose these small businesses and have to take on the burden of collection services and negotiating fair pay from producers.	Metro Vancouver has expanded recycling options at its recycling and waste centres in support of a one-stop-shop experience for customers for disposal, recycling, and reuse, thus increasing convenience. While this may mean some material is dropped off at Metro Vancouver facilities rather than depots, there's a need to find a balance between maintaining depot networks and providing customers with more options at regional facilities. Independent recycling depots are a critical part of the waste and recycling systems in the region.
1220	**Product design**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Product design and innovation - The only things that motivates producers under EPR is economic incentive to want to design and innovate and have effective collection systems. If producers are not being held accountable to pay for these things, then the system collapses. Now, as mentioned above, depots start closing and the municipal has to step in and provide services. This puts consumers in a situation where they are now paying for recycling at the point of purchase (to producers), on their taxes (to municipalities if they are subsidizing the cost of producers' recycling systems), and, if local government doesn't accept some materials, at the local landfill for disposal. Instead of waste management systems under EPR that focus on "polluter pays", it really is the resident that is paying waste management twice and even three times just because producers aren't being held to account to pay for their recycling systems and depots are not being kept viable.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1221	**Extended Producer Responsibility (EPR)**	Interview				Convenience and consistency – Accurate recycling information and one stop shop. The challenge that we face is that the government is taking a very siloed approach to waste management and treating every material stream and its work with every Producer Responsibility Organization as discrete. No one is taking a holistic approach and looking at it as a whole system. But the reality is	EPR programs and how they operate are under the purview of the provincial

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1222	**Holistic/Systemic approach to waste management**	Interview				that the consumers are demanding this, and collective service producers are in a position where they have to manage all the different materials and the costs of managing them. Neither the consumer or collection service provider has the luxury of looking at material streams and programs separately. For example, no producer accepts responsibility for the cost of Vancouver resident	phases of plan development-- particularly Idea Generation and Options Analysis.
1223	**Producers Accountablility**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	If these producer responsibility organizations were required to work together, depots could be much more viable than what they are. They could look at cost programs if it is a particularly challenging area how to handle that as a group. The ministry is not looking at it as that holistic approach and that overall point of view is being missed	EPR programs and how they operate are under the purview of the provincial government. Metro Vancouver can only advocate for changes. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
1224	**System change**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Climate resilience is an important part of the picture but unless these systems actually function and do what they say they are going to do then that additional focus of climate resilience through things like densifying materials before they are transported to reduce greenhouse gases feels a stretch. There are so many challenges in our recycling systems that this feels like an outcome that we will and can achieve once we actually have coordinated, effective systems that drive efficiencies. Otherwise, it can't be a one of the top priorities.	Noted.
1225	**Engagement, education and behavior change**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Education and behaviour change - If we did a better job of the systems themselves and if we made our system clearer and more consistent then these things would be handled and handled easier that they are now. Take a systemic lens that holds all the stakeholders accountable to their roles and requirements and then it will be clearer to people like the end uses. Right now it seems like you need a PhD to recycle in this province and that shouldn't be the case but a lot of the challenges is in the design of the recycling systems themselves and, quite honestly, until these issues are addressed then it really will require Vancouverites to have a PhD to manage their waste. If there was accountability and transparency from Producer Responsibility Organizations, then the consumer behaviour and knowledge and the system as a whole would function better.	Conveniene and consistency are included in the draft guiding principles, demonstrating the importance of making the system easier and clearer to use, as a priority over behaviour change alone.
1226	**Incentives**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Triple bottom line lens – Strategy should be about the best waste system, and we need to stop taking just an environmental lens. Or referring to economic incentives to achieve environmental outcomes, when it is truly economic and social systems that we are talking about.	Corporate accountability, resilient and convenient services, and vibrant economy are incorporated in the draft guiding principles.
1227	**Economic considerations**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Economic policy drives environmental outcomes. There are social benefits and there are social players in the system. Social targets are much harder to achieve overall from a social policy perspective and we should be protective of things that our recycling systems, particularly deposit return systems – provide for our less-privileged folks.	Inclusive programs and services are highlighted in the draft guiding principles.
1228	**Extended Producer Responsibility (EPR)**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Stop letting producers off the hook. The guiding principle is that everyone has an accountability in the system. When looking at the municipal lens, they need to stop advocating or protecting producers, it costs taxpayers and it costs resources and puts a burden on the system. The Extended Producer Responsibility systems were intended to relieve this but if local governments keep stepping in and filling the gaps, then we will never get there. Do municipalities understand the gaps they are filling? They are so used to supporting residents, businesses, and partners that I don't know if they are even aware that they are taking away what producers are accountable for and having negative impacts on the system. This takes away from depot viability.	Producer accountability is contemplated in the draft guiding principles.
1229	**Extended Producer Responsibility (EPR)**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Is there understanding at the municipal level of the function of EPR? Without this, the system can't improve.	Noted.
1230	**Producers Accountablility**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Accountability and holding producers responsible – outcomes and recovery rates and increasing recovery rates. Other jurisdictions have higher recovery rates (Alberta has 83% recovery rate for beverage containers and in BC the rate is mid-70%). Part of EPR is to hold the producers accountable to achieve better results.	Producer accountability is contemplated in the draft guiding principles.
1231	**Continuous engagement and communication**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Open conversation is needed to improve the system. As depot operators, we face very different challenges in the system than regional districts and municipalities but there is no means or ways to have those open conversations to improve the system. A multi-stakeholder approach would be very helpful on some of these topics	Noted. Metro Vancouver will consider this as we design the next phases of engagement. Metro Vancouver aims to bring multiple perspectives to the table as we explore ideas and options for strategies and actions.
1232	**Community, regional and global collaboration**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	It is absolutely critical to understand all the stakeholders and don't overlook the depot operators and all voices in the system to really address the concerns and improve the outcomes going forward. Include these voices at conferences, with municipalities and regional districts. We interact with all Producer Responsibility Organizations, the Ministry of Environment and Climate Change Strategy, the municipalities where we work, residents and consumers every day, etc. so these discussions would benefit at all levels of the system.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1233	**Collaboration across the industry**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	When EPR was brought in, depots were taken out of the regulation, so depots are considered collectors or service providers in the system but so are municipalities at this stage. There should be stronger partnerships between these entities. We are essentially filling the same types of roles and facing the same struggles and challenges, but we are not having these conversations. There are more similarities between depots and municipalities under the banner of EPR than they realize. If there was a better understanding of EPR amongst all stakeholders and role accountabilities within EPR, then we would not be having this conversation. Depots want to be running their businesses and collecting materials. Instead, we have had to become EPR subject matter experts and try to ensure improvements to the roles in the system and fairness in how collective service providers are treated. If we aren't doing this, then depots won't survive and, again, local governments will be stepping into these roles.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis

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1234	**Metro Vancouver - Vision and role & responsibilities**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	It needs to be clearly articulated what Metro Vancouvers role is. Local governments cannot and should not be expected to be everything and do everything in what is supposed to be an Extended Producer Responsibility province. I think if role clarity within EPR is clear, then the vision will become a lot clearer. They are thinking about collection and partnerships and consumer education and more, but all of this may not be the focus that MV should have anymore. We know that they need to do right by their residents and businesses. We understand that, but doing right is ensuring that the right people are shouldering the polluter pays portions of the waste management system that BC has adopted. I think that role clarity comes before an effective vision including who Metro Vancouver is in an extended producer responsibility (EPR) world.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1235	**Solid Waste Management Plan - logistics and implementation**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Maybe a mission is needed alongside the vision as this is equally important to support the guiding principles. Define a Vision and Mission that is supported by the Guiding Principles.	Noted.
1236	**Extended Producer Responsibility (EPR)**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	You can't be the producer, the consumer, the educator, the policy driver, the advocate for the consumer, and in a lot of cases the collection system as well, in EPR. That is the old model. If we are stuck in parts of the old model, then we are not driving forward a meaningful strategy because we have not defined our role in that	Noted.
1237	**Metro Vancouver - Vision and role & responsibilities**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Metro Vancouver needs to understand their role in EPR – and where they should and should be acting.	Noted.
1238	**Collaboration across the industry**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Understanding the different roles that various stakeholders hold in their communities is necessary. Depots have a role to play as do municipalities and regional districts although they don't all have to play everything in the system. It is important to take the time to understand who and what role to play.	Concept of collaborative solutions is included in the draft guiding principles.
1239	**Community, regional and global collaboration**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Partnerships - Wayfinders, coordinators and partners when I think about the best role for a municipality. There is a clearly defined understanding in terms of who is setting policy and who is doing education, consumer behaviours. If we know these roles in the system, then there is a partnership approach. I think if there was a partnership hierarchy then depots and municipalities would be looking across from each other and recognizing that they are really in the same situation when it comes to advocating for what our needs are, and who we are trying to serve. It would make more sense to have these proactive discussions in the system.	Concept of collaborative solutions is included in the draft guiding principles.
1240	**Extended Producer Responsibility (EPR)**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	In this model and in this system, municipalities have broader roles but if we are not partnering, municipalities are going to be doing everything and depots are not going to exist. EPR was not intended for this to happen but if they don't figure out their role then they are just assuming all of it anyway.	Concept of collaborative solutions is included in the draft guiding principles.
1241	**Metro Vancouver - Vision and role & responsibilities**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Define your role and who are your partners to make the system function the best it can for Metro Vancouver residents.	Concept of collaborative solutions is included in the draft guiding principles.
1242	**Collaboration across the industry**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Metro Vancouver is an advocate for their residents, coordinators of systems and they are facilitators of partnerships. Binners are partners as they are on the ground moving things into the systems. I hope there was stakeholder mapping, including in terms of interests and influence, in the updates to the strategy because this seems critical and pertinent.	Noted. Metro Vancouver is seeking feedback from all participants in the solid waste system, from governments to binners to depot operators.
1243	**Metro Vancouver - Vision and role & responsibilities**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	If we were talking about guiding principles with a representative of a producer and a representative of a municipality, the discussion would be fascinating. We don't really know each other, and we don't know what we don't know about each other, and it would be a big mistake for Metro Vancouver to take input away through an engagement process and not do discernment by pulling threads in discussion with their stakeholders.	Noted. Metro Vancouver is seeking feedback from all participants in the solid waste system, from governments to binners to depot operators.
1244	**Transparency in waste management processes**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Defining yourself in a system where role clarity is lacking isn't going to result in a strategy that works in the overarching system framework.	Concept of collaborative solutions is included in the draft guiding principles.
1245	**Holistic/Systemic approach to waste management**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	This does not feel like a consultative process to creating the strategy/plan. If you were truly designing a strategy that relies on system partners, it needs that participatory approach to the engagement. If not, it will not be a systemic approach and will not function. It will be like Metro Vancouver drops itself in with a strategy that might not work with these other players.	Noted. The Vision and Guiding principles phase is an early phase of engagement. Metro Vancouver plans to continue to engage stakeholders in subsequent phases where potential strategies and actions will be received, discussed, and evaluated with input from stakeholders.
1246	**Continuous engagement and communication**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	When you are engaging with the stakeholders the follow up information is necessary. We often engage with these consultations, and we rarely hear the results or how our voice was heard or used in the actions. Showing the stakeholders that it is valuable to participate in engagement so that they feel heard and valued so that when these opportunities come up again, they are more willing to participate in the process again. Follow up is key.	Noted. Metro Vancouver intends to follow up with participants of the engagement process with the results of the engagement and how the engagement directly influenced or shaped the draft vision and guiding principles.
1247	**Collaboration across the industry**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Partnerships- Metro Vancouver needs to recognize that its solid waste strategy is dependent on the other players who are filling similar roles in the system. If depots shut down tomorrow, then Metro Vancouver, we assume, is not in a position to assume that role. For example, depots currently handle more than 90% of beverage containers in the province. Is Metro Van prepared to take this on if depots disappear and Encorp comes knocking?	Concept of collaborative solutions is included in the draft guiding principles.
1248	**Accountability**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Role clarity and holding each other accountability – Consumer confusion – we are at the mercy of a very muddled system which is why consumers are so challenged. "You shouldn't need a PHD to recycle in BC." If they look at their partners clearly then the strategy/plan will start to look different.	Convenience and consistency are included in the draft guiding principles, with the intent of making systems simple for all to be able to participate easily in recycling and waste reduction programs.
1249	**Continuous engagement and communication**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	We appreciate the engagement but there is a difference between engagement consulting and engagement partnership in the development of the strategy. This needs to be emphasised in the principles.	Concept of collaborative solutions is included in the draft guiding principles.
1250	**Collaboration across the industry**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Depots do collect much of the substantial volume for much of the PROS and this often goes under the radar. Acknowledging the partners and the role they play is critical.	Concept of collaborative solutions is included in the draft guiding principles.

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1251	**Enforcement of regulations**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	These policy level conversations are happening, but no one is on the ground discussing from an expectations level and making these systems function and work. Higher level conversations are not reflecting what is really happening on the ground level.	Noted. Metro Vancouver hopes that through comprehensive engagement, we can hear from those who are on the ground, including their thoughts on potential strategies and actions in future phases of plan development.
1252	**Extended Producer Responsibility (EPR)**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	Metro Vancouver is the middleman here. Everyone is looking UP – EPR is supposed to be driven by producers with this regulatory oversight by the province but that is not where things are happening and that is not where the pinch points are happening.	Noted.
1253	**Solid Waste Management Plan - logistics and implementation**	Interview	BC Bottle and Recycling Depot	1-Nov-23	Recycling industry	There needs to be some proactive planning to support all levels. We want to make sure there is some focus on HOW this works to build this update so that it functions.	Noted.
1254	**Clarity on terms and definitions**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	It is hard to understand what your thoughts are concerning some of your questions. For that reason, I almost did not take the survey.	Noted.
1255	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Government can do some high-level education, but leave the details to the service providers. EG: GHG involved in recycling glass far outweighs the GHG savings.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1256	**Illegal dumping**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Agree with environmental protection, but not if it involves another EPR of something already being handled by industry. Keeping tipping fees down will reduce illegal dumping if that is where you are heading.	Affordability is included in the draft guiding principles.
1257	**Illegal dumping**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Making disposal fees affordable is what industry has been preaching. High fees & lack of bylaw and environmental enforcementcause more illegal dumping.	Affordability is included in the draft guiding principles.
1258	**Climate Resilience**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Climate resilience is good, but it would be good to know what you're thinking about. If it has anything to do with WTE, then absolutely NO.	Noted.
1259	**Access to Waste management Data**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Access is already provided by service providers. Those that don't want the information, don't ask or look for it.	Noted.
1260	**Clarity on terms and definitions**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Not sure what accountability and transparency you are talking about, hence not important.	Noted.
1261	**Circular economy**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Circular economy is a greenwashed term. If the environmental cost of collection, storage, transportation, exchanging and/or processing a material is higherthan generating a new product with all inputs considered, then new is the way to go. GHGs and carbon footprint are what count, not a cute phrase like circular economy.	Noted. The concepts of keeping materials in circulation, preventing waste, and valuing resources are captured in the draft vision and guiding principles, in an attempt to describe the concept rather than using the term 'circular economy'
1262	**Extended Producer Responsibility (EPR)**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	We lost this battle when we brought in PPP EPR. If the packaging is not readily reusable or recyclable in larger markets, the fees charged by the EPR (eg Recycle BC) should be enoughto cover the full cost of processing and recycling the material and packaging that is more than 20% larger than the item, it should also carry a prohibitive fee (eg Barbie doll $5 pkg fee)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1263	**Regulation and policy development**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Bylaws should say you have to have the services or a self-haul system in place in order to get a business license.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1264	**Diversion**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Government needs to let the industry innovate to drive competition. Dictating how a service should be delivered I agree 100% with increasing diversion, but Ibelieve regional governments throughout BC need to get out of industry's way to deliver it. In MV, our diversion rates have been mostly stagnant since MV has been more focussed onworking against industry than working to improve outcomes.	Innovation and collaborative solutions are incorporated in the draft guiding principles.
1265	**Recyling options**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	More events for recycling/upcycling	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1266	**Recycle**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	The development of further processing (value added) that can use recycled products in ourcities infrastructure. Such as turning plastics into manhole covers, drain covers, plastic polesetc.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1267	**Regulations to reduce waste at the production stage**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	requirement to deal with the waste of the products you sell	The concept of accountability is incorporated into the draft vision and guiding principles.
1268	**User-friendly waste management systems**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Making it easy and accessible to the commercial industry (i.e. construction companies & waste haulers) not just homeowners.	Noted.
1269	**Waste Reduction/Prevention**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	for Metro Vancouver it should be mostly focused on "practical" aspects to facilitate easy reduction of waste for inhabitants of the region: consumers and producers	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1270	**Community-driven initiatives**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Encouraging sharing systems in communities (so far seen as renting items from private companies or borrowing from libraries, tool libraries, thingery and in much more informal structures	Concept of keeping materials in circulation is included in the draft guiding principles, and libraries, tool libraries and other share/borrow initiatives are examples of actions that could help to achieve this. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1271	**Source reduction**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	More conscious consumption and preventing waste before it happens. How can we as individuals navigate our capitalist consumer culture? How can we meet our desires fornew, better, more and our search for happiness, without having to resort to buying something? Much like the create memories, not garbage campaign, I believe there is potential tohighlight lifestyle switches year round that can prevent waste from occurring, while also having many other benefits to an individual.	Concept of waste prevention is incorporated in the draft vision and guiding principles.
1272	**Regulation and policy development**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Reduced risk for decision makers to recommend use of products like recovered asphalt in roadbase.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1273	**Incentives**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	people who make no or very little waste at their residence should benefit, those who make lots of waste should be charged extra	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1274	**Managing waste locally**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Incentivizing local recycling and repurposing industries to avoid overseas shipments of recyclable materials.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1275	**Metrics - evaluation and measurement**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	risk assessment of long term disposal and diversion options	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis

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1276	**Economic considerations**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	focus on C&D hubs - space dedicated for materials push to include deconstructed materials inprocurement and in building codes (also recycled asphalt in roads!)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1277	**Impact on wildlife**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Consider wildlife attractant management, community safety and ecological impacts.	Noted.
1278	**Economic accountability**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Economic accountability	Concepts of accountability and supporting a vibrant local economy are included in the draft guiding principles
1279	**Deposit system**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Deposit/Returns systems on all beverage containers!	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1280	**Reusable packaging**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Refillable options for detergents, hair/body products and pet food.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1281	**Economic considerations**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	clear delineation of commercial / residential services.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1282	**User-friendly waste management systems**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	programs must be simple/easy for home owners.	The concept of simplicity and ease of use is captured in the draft guiding principles under 'convenience'
1283	**Inclusivity in waste management**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	one that includes those of us who commute in to metro for work and use services as part of personal and work actions	The concept of consistency is included in the draft vision and guiding principles.
1284	**Circular economy**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	If you are going to utilize a true circular system, we need to utilize our recycled material back into our city infrastructures. End markets for recycled material is key to ensuring full value and that value should be shared with the public.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1285	**Enforcement of regulations**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	I really like that Interior BC charges you for disposing of trash by the amount/weight ofindividual garbage. Maybe it could look like having the trucks weigh trash upon collection. Alternatively, award people for having the least amount of trash? Positive reinforcements seem to work better in North America	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1286	**Penalties**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	any incentive needs to be accompanied by penalties and enforcement	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1287	**Diversion**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	No load of waste shall be sent to final disposal (landfill or incineration) with more than 20% divertable content. Although this would require an amendment to the EMA, it would force us toput everything through an MRF and extract the recyclable and/or compostable material thatlazy people or those who do not care about waste diversion, simply put in the garbage.Incineration in BC is a delusional idea as it creates GHG's burning waste to createelectricity and displace BC's ZERO GHG hydro-generated electricity. The worst part isthat if we divert what MV says it wants to divert and MV stops deliberately burning recyclablematerial (plastics), the incinerator will not generate enough BTU to create electricity; a doublewhammy caused by our success. No wonder MV has decided to pick fights to stall diversionvs work with industry to meet the region's goals.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1288	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Making it easy and accessible to the commercial industry (i.e. construction companies &waste haulers) not just homeowners.	The concept of simplicity and ease of use is captured in the draft guiding principles under 'convenience'
1289	**Regional standardization of services and practices**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	a wide variety of practical options. clear messaging in the Metro Vancouver region about recycling. more alignment with all regions in BC/Canada on recyclable products. (avoid confusion for users)	Consistency across the region to avoid confusion is included in the draft guiding principles.
1290	**Community-driven initiatives**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Integration and promotion of more sharing structures, for example: a. expansion ofcommunity library services- some already lend books, digital equipment, musical instruments,puzzles...could they offer more items to share amongst the community? b. community centresusually have sports equipment for onsite sports- could they expand and develop short- termrental/lending of sports equipment to the community? c. could Cities/Metro Vancouver offerlocations for neighborhoods to administer their own community sharing spaces?	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1291	**Implement re-use systems**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Further development of reuse programs and infrastructure. This includes both encouraging the development of circular businesses while also promoting reuse behaviour in individuals (with a focus on making it easier and convenient). 3) Encouraging the development of more repair businesses, and promoting individuals to choose repair over disposal. A current barrier is finding existing repair businesses as they are usually independent, don't advertise, hard to find. How can they be highlighted?	Concept of keeping materials in circulation is included in the draft guiding principles, and reuse/repair programs are examples of actions that could help to achieve this. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1292	**Diversion**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Legislation that rewards waste diversion and circularity of CRD wastes such as Wood, increase the cost to dispose of unsorted mixed debris in the landfill, increased costs forcompanies that Demolish Buildings, rather than deconstruct and/or relocate perfectly usefulhomes	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1293	**Continuous engagement and communication**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Ensure industry is consulted early and often.	Noted. Metro Vancouver will consider this as we design the next phases of engagement. Metro Vancouver aims to bring multiple perspectives to the table as we explore ideas and options for strategies and actions.
1294	**Partnership with various levels of government**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Close collaboration between the regional government as the creator of the Solid Waste Management Plan and member municipalities which may enact bylaws in support of this plan.	Noted. Metro Vancouver works closely with member jurisdictions through advisory committees such as the Regional Engineers Advisory Committee Solid Waste Sub Committee
1295	**Accountability + Transparency**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	reliability and low risk	The concept of resilience of the solid waste management system is incorporated into the draft vision and guiding principles.
1296	**Food waste**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	sharing uneaten, unpurchased food	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1297	**Impact on wildlife**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Wildlife attractant management should be a part of the management plan	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1298	**GHG/Carbon emission reduction**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Carbon reduction accountability	Resilience to climate change is included in the draft guiding principles

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1299	**Transparency in waste management processes**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	Consistent clarity and communication about where the waste actually ends up. Successful solid waste management will also shift our perception of waste into something more productive and useful even after it's "disposed".	Transparency about what happens to waste and recycling is included in the draft guiding principles.
1300	**Financial incentives**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	There should be financial incentives to reduce waste- garbage pick up should be charged percontainer NOT hidden in the tax base.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1301	**Managing waste locally**	Collaborative Engagement - Survey	Coast Waste Management Association	1-Nov-23	Waste industry	waste/recycling should be handled locally, not shipped to other countries.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1302	**Protection of natural resources**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	The one i believe that should be taken into consideration is cutting down trees i know in some countries if you cut down you have to grow another tree but animals live in those trees and some of these animals already started a family, and baby birds can't fly yet and if yo cut down a tree these baby animals will die and it makes it harder for them to find another home.	Noted.
1303	**Behavioral change campaigns/ promoting responsible behaviors**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Preventing people from throwing away containers	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1304	**Transparency in waste management processes**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Showing people what happens to garbage, and how garbage affects the ocean.	Transparency about what happens to waste and recycling is included in the draft guiding principles.
1305	**Protection of natural resources**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Being able to give own help to the environment	Environmental stewardship is incorporated in the draft guiding principles.
1306	**Transportation Barrier**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Carpooling. we need to make that more regular.	Noted. This is outside of the scope of the solid waste management plan update.
1307	**Equity and Social justice**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think gender equailty could help a little.	Inclusive programs and services are highlighted in the draft guiding principles.
1308	**Convenient Locations for recycling and waste stations**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think we should add some more recycle and compost bins around the world	Noted.
1309	**Environmental Stewardship**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I believe everyone should consider animals and what they could do to prevent so many animals like racoons from eating their trash/recycling/compost.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1310	**Investments in green technology**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	More eco friendly transportation.	Noted. This is outside of the scope of the solid waste management plan update.
1311	**Food waste**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Food Waste	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1312	**User-friendly waste management systems**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Ease of use and waste management	Convenience is included in the draft guiding principles.
1313	**Convenient Locations for recycling and waste stations**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think that we should be more mindful of the whereabouts of the homeless because they sometimes, can't find the right recycling and garbage stations to put their trash in.	Inclusive programs and services are highlighted in the draft guiding principles.
1314	**Equity in information and education**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Reduced price of education so all families may have children that are well educated without having to be a heavy amount of money.	Noted. This is outside of the scope of the solid waste management plan update.
1315	**Financial Equity**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Making housing more affordable, and easier to obtain reducing the homeless population.	Noted. This is outside of the scope of the solid waste management plan update.
1316	**System change**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Going to a gift economy rather than a consumer driven one. Food supply chain systems. Although you have enough themes to tackle already!	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles. Gifting and reusing rather than consuming new materials can be one way to achieve this.
1317	**Reduced plastic usage**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I would love everyone to rethink their use of all plastics!	Metro Vancouver is currently working with non-profit organizations to encourage reusables rather than single use items such as plastics. Specific ideas on how to further reduce plastics can be explored in the upcoming idea generation and options analysis phases.
1318	**Consumption habits/patterns**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think that minimalism should be taken into account where we buy what we need or borrowing from a friend instead of buying what we want.	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles. Borrowing and lending rather than consuming new materials can be one way to achieve this.
1319	**Climate change**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Protecting nature's wonders from climate change	Greenhouse gas reduction and climate action are incorporated in the draft guiding principles.
1320	**Circular economy**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Making more actions in order to stop poverty including those homeless people on the street. Homeless people can produce lots of waste so we have to take actions on how to stop this situation before the streets are filled with garbage and waste.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1321	**Re-use**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think reuse and buying less is most important	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles. Reusing and buying less can be ways to achieve this.
1322	**System change**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	System needs to be more simple	The concept of a simple system is captured in the draft guiding principles as 'convenient' and 'consistent across the region'.
1323	**Research and Policy**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We can pay for research to invent a new kind of plastic that does not harm the planet	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1324	**Protection of natural resources**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Well my ideas are to stop cutting down trees, stop littering, stop testing and hurting animals, because every damage we do to the earth the more we're closer to destroying the earth.	Noted. These are outside of the scope of the solid waste managemetn plan update.

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1325	**Youth/Next generation focused education/engag ement**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think educating and empowering the younger generations is key so any programs catering to them would be great.	Noted. Metro Vancouver is engaging with youth through the solid waste management plan process and acknowledges the importance of empowering the younger generations to prevent waste.
1326	**Re-use**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	This is crazy but I think if we make a statue out of compost and mushed and mixed it together and make blocks and stack them like a tower it would be safe and reused.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1327	**Convenient Locations for recycling and waste stations**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	You could make recycling a lot more convenient. People won't want to drive an extra 15 minute to recycle at a zero waste facility when they could throw something out in the garbage bin.	Convenience is captured in the draft guiding principles.
1328	**Re-use**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think that instead of just throwing it away, we can use the garbage to create some thing fun like an art project.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1329	**Promotion and awareness of re-use**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Reusing materials instead of trowing them away	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles. Reuse can be one way to achieve this.
1330	**Recyling options**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think that we should be making more recyclable solutions for everyday tools/object so that not everything is made from plastic.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1331	**Reusable packaging**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Having more reusable containers or reusing bags more	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles. Using reusable products rather than single-use can be one way to achieve this.
1332	**Source reduction**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Buy less garbage, make more homemade things.	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles. Purchasing less can be a way to achieve this.
1333	**Reduced plastic usage**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Make your own way to reduce your use in plastic and I hope we make it to our green goals!	Noted.
1334	**Re-use items in landfills**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think we can use garbage and make it into something fun like an art project.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1335	**Environmental Stewardship**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Just keep the environment clean and not polluted.	Environmental stewardship is incorporated in the draft guiding principles.
1336	**Climate change**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think climate change is something we have to prevent. Our future depends on it.	Greenhouse gas reduction and climate action are incorporated in the draft guiding principles.
1337	**Implement re-use systems**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Put in thrift shop or make into other objects.	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles. Thrifting or making products into new useable products are ways that this may be achieved.
1338	**Waste Reduction/Prevention**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think waste reduction is very important for our future.	Waste prevention is central in the draft vision and guiding principles.
1339	**Global collaboration/Alignment with global policies**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Third world countries requiring aid.	Noted
1340	**Convenient Locations for recycling and waste stations**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think that there should be more places that provide recycling and trash stations around the world so we can help the climate crisis a little bit.	The concept of climate action is included in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1341	**Source reduction**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	In the future, I believe that us people should come together and make use of all the materials we have and we should limit the pieces of garbage that are put to waste.	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles.
1342	**Climate change**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I also believe that we should invest more money into saving up for more electrical cars so that our planet will be safer from climate change.	Climate action is incorporated in the draft guiding principles.
1343	**Product packaging**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We should invest more money in compostable packaging, and materials so that we can minimize the amount of garbage and waste that we have.	Waste prevention is central in the draft vision and guiding principles.
1344	**Cost Management/Financial Sopport**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Taking more donations and fundraisers for climate change and pollution materials.	Noted
1345	**Consumption habits/patterns**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Consuming less overall.	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles. Reducing consumption is part of this.
1346	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Education is priority.	Noted. Transparency about what happens to waste and recycling, so people are well informed about waste management systems and how their actions have real impact, is included in the draft guiding principles.
1347	**Awareness of environmental impact**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Doing more fundraisers and awareness programs	Noted. Transparency about what happens to waste and recycling, so people are well informed about waste management systems and how their actions have real impact, is included in the draft guiding principles.
1348	**Public perceptions and attitudes**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I do believe we are a throw away society and I'd love people to think about buying cheap items that will not last.	Concept of circularity and valuing resources is incorporated in the draft vision and guiding principles. Rethinking the purchase of items that don't last is part of this.
1349	**Sorting**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	I think there needs to be sourceseparation so that recyclable matierials are not ending up in the landfill.	Metro Vancouver member jurisdiction-run recycling programs involve source- separation. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1350	**Waste Processing/Management**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Nothing Have more trash cans in park for less waste	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1351	**Youth/Next generation focused education/engag ement**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Every school should be start teaching kids the importance about solid waste management at an early age so that they can always keep this in mind starting as young kids.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1352	**Source reduction**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Find solution to reduce waste and reduce use of fossil fuels.	Waste prevention is included in the draft guiding principles
1353	**Regulation and policy development**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Need to have government regulations	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1354	**Individual responsibility/impact**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Individuals need to take on responsibility and cities need to have regulations.	Accountability from individuals and governments is included in the draft guiding principles.
1355	**Climate Resilience**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	This is a problem for China and India who are creating so much pollution.	Noted. This is outside of the scope of the solid waste management plan update.
1356	**Product packaging**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We have to stop the producers from sending everything out in plastic.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1357	**Product packaging**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We should be able to purchase products that are not wrapped in plastic.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1358	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We need to somehow make people care. How do we get people to care? We need more education and incentives.	Noted. Transparency about what happens to waste and recycling, so people are well informed about waste management systems and how their actions have real impact, is included in the draft guiding principles.
1359	**Awareness of environmental impact**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	People need to hear more about the damage that is happening to our planet. Like the way ICBC does commercials, we need to be shocking people with commercials about the planet.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1360	**Product packaging**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Big companies should have to change how they package products. It's not up to individuals.	Corporate accountability is incorporated in the draft guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1361	**User-friendly waste management systems**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We need recycling to be more easy to understand.	The concept of an easy to use system is captured in the draft guiding principles.
1362	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We should have more recycling bins on the streets	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1363	**Financial Equity**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We should be worried about poverty first, not plastic. We need to concentrate on the economy.	Supporting a vibrant local economy, and also affordability, are captured in the draft guiding principles.
1364	**Climate Resilience**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Canada is so small that we don't make a difference to world pollution.	Noted.
1365	**System change**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Until the big countries change, nothing will change.	Noted.
1366	**Recycle**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Recycling is easy for people who care	Noted.
1367	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Recycling should be made more simple	The concept of an easy to use system is captured in the draft guiding principles.
1368	**Circular economy**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Circular economy is important. We need to send less things to the dump and reuse things	Concept of circularity is captured in the draft vision and guiding principles.
1369	**Recycle**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We NEED people to recycle	Waste prevention and recycling are included in the draft guiding principles.
1370	**Reusable packaging**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Companies need to change their packaging and we need to have easy recycling for soft plastics	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1371	**Reduced plastic usage**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We need to have less plastics with everything we buy.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1372	**Innovation in product design**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We should to invent a kind of plastic that is good for the environment.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1373	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We should have more recycling choices like soft plastics and styrofoam.	Film plastics and Styrofoam are accepted for recycling at recycling depots across the region, and are part of the Recycle BC extended producer responsibility program. Specific ideas on actions or strategies such as how to expand the availability of soft plastic and styrofoam recycling, cna be explored in the next phases including idea generation and options analysis.
1374	**Reduced plastic usage**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	The government needs to make laws for businesses to use less plastic	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1375	**Regulations to reduce waste at the production stage**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We need to have laws for copanies that make products.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis

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1376	**Packaging regulation**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Companies that make products should have to put in packaging without plastic if possible.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1377	**Regulation and policy development**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	There should be laws for companies.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1378	**Reduced plastic usage**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Plastic packaging should be allowed only if necessary. For example, for equipment in hospitals. Other things should be packaged in paper or have less packaging overall.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1379	**User-friendly waste management systems**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We should have better signs on recycling and food waste bins to make it clear what is accepted.	Concept of simplicity and ease of use is incorporated in the draft guiding principles.
1380	**Reduce/ban single-use plastic**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	There should be laws for businesses to use no single use plastics.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1381	**Reduce/ban single-use plastic**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We should have bans on single-use items and some kinds of plastic packaging that are not needed.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1382	**Reduce/ban single-use plastic**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We need the federal government to create bans on singles items. We need to teach young people about caring for our community - to not litter and to recycle.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1383	**Behavioral change campaigns/ promoting responsible behaviors**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We can teach people that they need less things.	Concept of valuing resources is captured in the draft vision statement.
1384	**Behavioral change campaigns/ promoting responsible behaviors**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We need to get people to understand that advertising is making them always want.	Concept of valuing resources is captured in the draft vision statement.
1385	**Regional standardization of services and practices**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	We need to have consistent recycling and food waste in Metro Van. The current system is confusing.	Consistency across the region to avoid confusion is included in the draft guiding principles.
1386	**Reduce/ban single-use plastic**	Collaborative Engagement - Survey	Ocean Ambassadors	1-Nov-23	NGO/non-profit and environmental stewardship groups	Would be good to have laws that limit the use of single use plastics. We need to have clear regulations for businesses to follow.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1387	**Sorting**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	Recognize that not everyone will want to or even cares about recycling, by allowing waste sorting facilities to remove what is left. These are proven to work worldwide regardless what our local governments want to say about it.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1388	**Transparency**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	Accountability and policy development transparency	Accountability and transparency are included in the draft guiding principles.
1389	**Transparency in waste management processes**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	Transparency in waste processing facilities	Transparency about what happens to waste and recycling is included in the draft guiding principles.
1390	**Investing in innovation infrastructure**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	Private sector investment, capacity in region	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1391	**Policies for recycling facilities and landfills**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	Longterm landfill disposal plan	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1392	**Regulation to enable innovation**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	Regulations that allow cost competitive and innovative solutions for tax payers.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis. Innovation and affordability are captured in the draft guiding principles.
1393	**Waste Processing/Management**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	Let waste & recycling industry freely compete. If we want to fine haulers for cardboard and other recyclables being in their loads, we must allow them to dump and sort their loads prior to disposing of it.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1394	**Innovation and Technology in Waste Management**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	Innovaton	Innovation is included in the draft guiding principles
1395	**Regional standardization of services and practices**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	better regional alignment	Consistency across the region to avoid confusion is included in the draft guiding principles.
1396	**Circular economy**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	circular economy	Concept of keeping materials in circulation (i.e. circular economy) is included in the draft guiding principles.
1397	**Investments in green technology**	Collaborative Engagement - Survey	Waste Management Association BC	1-Nov-23	Waste industry	allow for investment / innovative technologies in region to handle non recyclables / create new products	Innovation and collaboration are included in the draft guiding principles.
1398	**Educating people about waste reduction/management**	Interview	BC Housing	6-Nov-23	Multi-family sector	Education and behaviour change there is a lack of understanding what recycling and what re purposing when we speak to the construction industry, many don't understand what these terms mean and what happens when we process materials and the contamination of the product. A lot of people think that they can comingle the products and then later on sort them out or they get sorted out at the landfill. This is not just with large sites but also with homeowners doing small projects. There is an accumulation of hazardous materials and the lack of understanding of these materials that lead people to not check or co mingle things that should not be mixed or improper dumping.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1399	**Awareness of environmental impact**	Interview	BC Housing	6-Nov-23	Multi-family sector	Education needs to happen so that people know that taking things to the landfill is easy and not as expensive as they think. It might not be a direct cost to consumers but if it is an impact to the environment, it will be a cost to the community. Environmental stewardship is a co-partner as education is impacting the environment directly or indirectly.	Environmental stewardship, affordability, and collaboration are included int eh draft guiding principles.
1400	**Accountability**	Interview	BC Housing	6-Nov-23	Multi-family sector	Accountability is an issue. Municipalities do not have the same ability to enforce and the areas that they do enforce, the fines are so minor that developers would rather just pay the fine. Find a way for increased enforcement that will hold developers accountable.	Accountability from all parties is emphasized in the draft guiding principles.

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1401	**10 Emerging Themes**	Interview	BC Housing	6-Nov-23	Multi-family sector	All of them are interconnected and there is not really anything that I would take out. They are all in support of each other.	Noted. Thank you for the feedback.
1402	**Circular economy**	Interview	BC Housing	6-Nov-23	Multi-family sector	Circular economy is quite huge when you are doing home renovations and there may be materials you can pull out and use on other projects.	Concept of circularity is included in the draft guiding principles. Specific actions related to home renovations can be explored in subsequent phases of the solid waste management plan update process.
1403	**10 Emerging Themes**	Interview	BC Housing	6-Nov-23	Multi-family sector	All of these are important in different stages of projects, the order or the importance are dependent on the project and the stakeholder you are working with.	Noted. Metro Vancouver is engaging with parties from many different perspectives, and understands that moving forward with our waste management strategies will require a collaborative approach, as emphasized in the draft guiding pricniples.
1404	**Penalties**	Interview	BC Housing	6-Nov-23	Multi-family sector	Metro Vancouver needs to come up with incentives that act more like penalizing and enforcing.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1405	**Accountability**	Interview	BC Housing	6-Nov-23	Multi-family sector	Maybe when they come to look at inspection and withhold permits if they don't show receipts or show accountability. The penalty has to actually be felt as a penalty. For some larger sites, the	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1406	**Penalties**						
1407	**Demolition and construction waste**	Interview	BC Housing	6-Nov-23	Multi-family sector	A big sector that we need to consider when speaking about waste management and recycling is the construction industry as it feels very much like an add-on.	Thank you for this feedback. Metro Vancouver is reaching out to the construction industry during this and will continue to do so during subsequent phases of engagement and understands that construction and demolition waste is a big piece of the puzzle.
1408	**Demolition and construction waste**	Interview	BC Housing	6-Nov-23	Multi-family sector	When we discuss renovation or demolition materials seem to be like an appendix to the waste program and there should be a focus for the construction industry. One focus for the homeowners, one for the commercial and then one for the construction industry. Homeowners should not be held to the same standard as commercial or construction industry, we need to separate them and have different expectations for recycling, waste etc.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1409	**Sorting**	Interview	BC Housing	6-Nov-23	Multi-family sector	Having waste co mingled in the waste bins is not something that we should be supporting. Particularly when in other countries they have been doing this for decades. It is time to look to other communities to see how they are making things work.	Metro Vancouver member jurisdiction-run recycling programs involve source- separation. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1410	**Demolition and construction waste**	Interview	BC Housing	6-Nov-23	Multi-family sector	A more detailed plan for the construction industry related to hazardous materials is necessary.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1411	**Waste reduction standards**	Interview	BC Housing	6-Nov-23	Multi-family sector	A lot of the floods or damages do not trigger an insurance company to review so companies re disposing of materials that are not to code.	The concept of resilience of the solid waste management system is incorporated into the draft vision and guiding principles.
1412	**Demolition and construction waste**	Interview	BC Housing	6-Nov-23	Multi-family sector	Concentrate on concrete, need to look at ways to recycle it. We are running out of sand, and we will need these materials for construction, so we need to start looking at ways to keep it out of the landfills and to reuse it.	To support the solid waste management plan update process, Metro Vancouver is working on various technical studies, including one that explores options for concrete and asphalt. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1413	**Public perceptions and attitudes**	Interview	BC Housing	6-Nov-23	Multi-family sector	There is misinformation being shared in the public to homeowners and this needs to change. The public needs to be encouraged to do their research.	Transparency about what happens to waste and recycling is included in the draft guiding principles.
1414	**Consistency of regulations**	Interview	BC Housing	6-Nov-23	Multi-family sector	We are overlooking the fact that everyone that is building did not grow up in BC and may not know the regulations and questions to ask when building to ensure there is compliance.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1415	**Engagement, education and behavior change**	Interview	BC Housing	6-Nov-23	Multi-family sector	Need to consider accessibility to returning materials. We are expecting the community to change their habits but as government or institutions we need to change our habits on how this information is being shared. We need to make it more accessible. Start to educate kids at a young age in the schools. If we educate the kids and they may educate the parents and hold them more accountable.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1416	**Behavioral change campaigns/ promoting responsible behaviors**	Interview	BC Housing	6-Nov-23	Multi-family sector	Marketing has a huge impact as far as waste goes and we need to see how we reach out to the schools and bring this message across.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1417	**Enforcement of regulations**	Interview	BC Housing	6-Nov-23	Multi-family sector	These regulations need to be mandatory with certain materials and made to be convenient and more easily enforced. Right now there is little accountability.	Accountability and convenience are included in the draft guiding principles.
1418	**Supporting local businesses**	Interview	BC Housing	6-Nov-23	Multi-family sector	There is a huge push to make everything green but the way a lot of materials in construction are recycled is very different. Batteries and electric parts or solar panels – we need to start thinking about disposal of these material proactively. A lot of green industries are not growing due to this. If we do not have the industry to support those businesses, they will select other communities to focus that on so we need to be ready and responsive to the needs of the green industry so that we are ready when the time comes.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1419	**Educating people in the industry**	Interview	BC Housing	6-Nov-23	Multi-family sector	There needs to be webinars for the construction industry and educational pieces for homeowners as well. This would be helpful on the Metro Vancouver, BC Housing and Municipal websites with links to information and resources. It is important that we work in support of each other to reduce the confusion and make this information more accessible for people.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1420	**Educating people in the industry**	Interview	BC Housing	6-Nov-23	Multi-family sector	Educational pieces are needed for the construction industry – It should be a requirement as far as their licensing to receive education on waste management.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1421	**Enforcement of regulations**	Interview	BC Housing	6-Nov-23	Multi-family sector	It would be a huge focus to not be doing so much grand demolition, to be increasing the level of deconstruction process before demolition. This development permit process needs to be updated to reduce some of the financial constraints related to deconstruction and put that towards enforcement.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1422	**Continuous engagement and communication**	Interview	BC Housing	6-Nov-23	Multi-family sector	Engagement with homeowners – It is important to focus on making the messaging accessible in different languages. Many construction workers speak other languages, (i.e. Punjabi or Hindi), so translating information is necessary to engage various audiences. Create messaging that is accessible using Google translate, as well as for those who are hearing and visually impaired.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis

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1423	**Zero Waste**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	A thing I realized later was that many different communities around the world aren't used to "garbage". Garbage was a new thing for my grandparents when they immigrated to Canada as it really wasn't a thing for the majority of their lives. And their background was farmers from Punjab and they didn't waste anything so no garbage really	The concepts of preventing waste, valuing resources, and keeping materials in circulation are included in the draft vision and guiding principles.
1424	**Implementation of incentives**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Incentive to businesses- too good to go app	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1425	**Local repair and reuse programs**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Bi-annual junk swap	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1426	**Consumption habits/patterns**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Changing global consumption patterns is essential before changing the way we individually circulate, donate reuse items	Noted.
1427	**Producers Accountablility**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Transparency and accountability on the producer side, who often shift the responsibility of consumption on the consumer	Accountability from all parties, and transparency, are emphasized in the draft guiding principles.
1428	**Equity in information and education**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Education and behavior change - Inspired by a personal story involving new neighbors who recently immigrated to Canada who needed assistance in learning about recycling and waste management practices in Vancouver - Need for recognition of the challenge for newcomers without prior experience and acknowledgment of the complexity and contradictions in the existing waste management system - Need for improved information presentation and making information clearer for newcomers and alternative ways of conveying information	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1429	**Connection with the environment**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship: Emphasis on our connection to the environment, considering it everyone's home	Environmental stewardship is incorporated in the draft guiding principles.
1430	**Policies for recycling facilities and landfills**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship - Personal experience volunteering for tree planting and ecological restoration amid COVID and noted a nearby recycling facility emitting an unusual smell, raising concerns about air quality, prompting curiosity about Metro Vancouver's air pollution policies. - Specifically interested in policies for recycling facilities and landfills.	Environmental stewardship is incorporated in the draft guiding principles.
1431	**Impact on wildlife**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship - Environmental concerns related to landfills raised due to news about wildlife consuming garbage and plastics. - Major concern about the potential impact on wildlife due to landfill contents	Environmental stewardship is incorporated in the draft guiding principles.
1432	**Engagement, education and behavior change**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Education and behavior change -Broader issues within the concept of a circular economy should be tackled on a larger scale before adopting such an approach -Reflection on societal trends of constant consumption such as purchasing new appliances and clothes	Concept of circularity is included in the draft guiding principles.
1433	**Need for a shift of responsibility from consumers to producers**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency for producers and consumers to reduce waste: - There is a need to shift the responsibility for waste reduction from consumers to the production side as the current burden on consumers is leading to collective issues of large-scale waste	Corporate accountability is included in the draft guiding principles.
1434	**Producers Accountablility**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency for producers and consumers to reduce waste: - Need for holding large-scale waste producers accountable for their environmental impact as there is a higher responsibility for producers in terms of externalities in production, energy consumption, and other factors influencing consumer goods.	Corporate accountability is included in the draft guiding principles.
1435	**Regulations to reduce waste at the production stage**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency for producers and consumers to reduce waste: - need for initiatives and policies to minimize waste at the production stage	Corporate accountability is included in the draft guiding principles.
1436	**Holistic/Systemic approach to waste management**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Climate resilience - It is important to understand the holistic approach to waste management and there is need for a balanced focus - Emphasis on the interconnected nature of environmental issues and there being an interplay between environmental stewardship, climate resiliency, corporate social responsibility, and consumer education	Environmental stewardship and climate action are incorporated into the draft guiding principles, along with resiliency.
1437	**Need for a shift of responsibility from consumers to producers**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship - Advocacy for shifting responsibility up the supply chain towards producers and increasing education both downstream and upstream	Corporate accountability is included in the draft guiding principles.
1438	**Transparency in waste management processes**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Need to acknowledge the impact of the recycling industry's campaigns by fossil fuel companies and advocate for transparency in the process	Transparency is included in the draft guiding principles.
1439	**Durability/longevity of products**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Product design - Better product design and innovation can have significant positive impact on waste reduction at the individual level - Need for better product durability and functionality and considering long-term perspective	Circularity and innovation are included in the draft guiding principles.
1440	**Subsidies for Sustainable Practices**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	incentives for recycling and waste reduction Supporting the idea of providing incentives for businesses and individuals to adopt sustainable practices, preventing waste and promoting a cheaper price for eco-friendly alternatives - There is an app where businesses and individuals offering sustainable options can be featured, attracting local customers with discounted rates	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1441	**Access to disposal/recycling options**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Affordability and accessibility -Need for easily accessible recycling options and affordability in waste management initiatives	Affordability and convenience are included in the draft guiding principles.
1442	**#N/A**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Affordability and accessibility -Need to address challenges such as financial constraints faced by the disabled and elderly communities in recycling	Affordability and inclusive programs and services are included in the draft guiding principles.
1443	**Financial incentives**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction for businesses and individuals -"Too Good To Go," offers immediate financial rewards for businesses and affordable food options for customers	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1444	**Equity and Social justice**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Affordability and accessibility are linked to the broader issue of meeting basic needs, such as shelter and food and such addressing these needs is crucial for encouraging active engagement in recycling -Need to advocate for combination of affordable, accessible recycling options and incentives to promote widespread participation in waste reduction efforts	Affordability and convenience are included in the draft guiding principles.
1445	**Extended Producer Responsibility (EPR)**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency for producers and consumers to reduce waste -The current focus on consumers rather than producers in waste reduction efforts is concerning and nor productive -Need for extended producer responsibility policies on a federal level, highlighting the need for government intervention in mandating producer accountability -Stresses the importance of transparency regarding the destination of disposed clothing and the need for clear communication to consumers. Lack of education for consumers on proper disposal of clothing -Highlights the complexity of waste diversion and recycling policies at the local and provincial levels, citing challenges faced when seeking information from government authorities -Acknowledges the positive impact of campaigns like Vancouver's "Things Worth Saving" but points out the need for clearer guidance for average consumers	Corporate and government accountability, and transparency about what happens to waste and recycling, are included in the draft guiding principles.
1446	**Interconnected network**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Circular economy -the significance of involving reuse, repair, and refurbishment. -the responsibility for transitioning to a circular economy lies with everyone, including consumers, producers, and governments. Education is crucial in this transition, with a call for making circular economy practices accessible. -Personal experiences from BIPOC communities practicing circularity long before it became a trend, emphasizing the need to acknowledge and respect diverse practices -We can make repair and reuse trendy while appreciating and learning from traditional practices within communities	Concept of circularity is included in the draft guiding principles. Repair and reuse are ways that may be achieved, and can be explored in subsequent phases of the solid waste management plan update process.
1447	**Inclusivity in waste management**	Focus Group					
1448	**Engagement, education and behavior change**	Focus Group					
1449	**User-friendly waste management systems**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Education and behavior change -Consumers face many challenges in navigating complex waste management systems and the pressure to be environmentally conscious. -There is confusion in waste categorization, such as different types of recycling and the nuances of proper disposal. -This leads to mis-categorized garbage which leads to potential waste mismanagement. -Need for clearer graphics or designs to facilitate better understanding of recycling processes. -Need to recognize the complexity of waste management and the importance of effective communication to encourage proper recycling practices.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1450	**Connection with the environment**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship -Important for people to connect with nature to instill a sense of responsibility and protection for natural spaces. -Because of the disconnection from nature in modern lives environmental stewardship is a crucial aspect of fostering a stronger connection to the environment. -Need for individual commitment to promoting environmental awareness and protection through experiences in nature.	Environmental stewarship is included in the draft guiding principles.
1451	**User-friendly waste management systems**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Convenience and consistency for recycling services -Need for simpler and more consistent recycling systems to alleviate confusion and reduce anxiety among residents. -Personal experiences of moving and facing challenges in adapting to different recycling systems in various locations. -Feeling anxious about the complexity of recycling systems, particularly in Vancouver, and the fear of making mistakes. -Simplicity and consistency in recycling programs is crucial especially given the busy and hectic lives of individuals and inconsistency may discourage people from participating in recycling efforts.	Consistency across the region to avoid confusion is included in the draft guiding principles.
1452	**Product cycle**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	The question about the bottom two priorities was challenging due to the interconnected and vital nature of all the discussed topics. - Understanding the full recycling process for different materials, such as textiles, glass, or cardboard is essential and so there is a need for comprehensive knowledge about the entire life cycle of recycled materials.	Transparency about what happens to waste and recycling is included in the draft guiding principles.
1453	**Holistic/Systemic approach to waste management**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction - Need to acknowledge the significance of systemic solutions over individual incentives, making this one of the least important priorities.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1454	**Innovation and Technology in Waste Management**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Need to shift toward systemic solutions and cutting-edge innovations as a more impactful approach to waste reduction and recycling. - Need to focus on systemic solutions, particularly in terms of supporting alternative energy sources and material innovations. - Organizations like BioFabricate are leading the way in alternative material innovations, specifically mentioning the use of seaweed and mycelium for plastic products. There is a need for cutting-edge innovation in addressing plastic-related challenges - Education campaigns to promote awareness and understanding of alternative materials are important.	Innovations and collaborative solutions are incorporated in the draft guiding principles.
1455	**10 Emerging Themes**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	All themes are important	Thank you for your feedback.
1456	**Incentives**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling waste reduction for businesses and individuals - concerned about relying on monetary incentives for behavior change as it may not align with values and could lead to increased material consumption. - Need for a systemic approach and a degrowth model in sustainability as focusing on reducing overall material consumption is crucial. - Need for prioritizing the right materials from the start rather than relying on incentives for recycling after the fact.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1457	**Clarity on terms and definitions**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Climate resilience -Critiques from scholars, particularly indigenous scholars, who find the term vague and question the decision-making process in investing in systems with low climate impact. -Concern about differing perspectives on what constitutes effective climate solutions, for instance in the fashion industry closed-loop textile recycling may be favored by some but criticized by others who prefer low-impact materials and circularity. -Need to advocate for a clearer definition of terms like "climate resilience" and diverse cultural contexts and perspectives in decision-making around climate solutions. -Overall, we need a values-driven, systemic approach to sustainability and climate resilience, while acknowledging the complexity of terminology and diverse perspectives within different contexts.	Noted.
1458	**Awareness of environmental impact**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Climate resilience: The reason being lack of knowledge on what a low-impact system could look like.	Noted.
1459	**Incentives**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction: Incentives may not be necessary as there are already sufficient reasons for recycling and waste reduction	Noted.
1460	**Holistic/Systemic approach to waste management**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Product design and innovation -The focus on spending more money on new products through innovation rather than adopting a systematic approach encourages continued consumption -Disconnect between marketing claims and the practices of companies as more and more companies engage in practices that negatively impact communities overseas and the environment -Overall, there is a need for a more systematic and critical approach to waste reduction.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1461	**Consumption habits/patterns**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Product design -Consumerism is a significant concern -Need for changing consumer education and behavior	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1462	**Considerations for First Nations**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Equity and societal improvements - Specifically concerned about the implications for First Nations, highlighting their existing disadvantages in proximity to waste management infrastructure - Raised questions about whether the theme adequately addresses the historical wrongs experienced by First Nations - The ongoing issues of First Nations living near waste management facilities and the associated health concerns need to be considered	Noted. Metro Vancouver will continue to engage with First Nations throughout the plan update process.
1463	**Considerations for First Nations**	Focus Group					The concept of equity is included in the draft vision and guiding principles.Reconciliation is an important strategic direction for Metro Vancouver's Board and is as important to plan development as the vision and guiding principles.
1464	**Product Marketing**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Climate resilience, investing in systems with low-time impact - Misleading marketing of products as environmentally friendly is an issue - Need for critical examination of supposedly eco-friendly products - Need a shift in spending towards subsidizing clean energy and other sustainable initiatives	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1465	**Product materials**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	How different materials or product advancement will affect the way that we see waste and technological advancements and how they might change accessibility.	The concepts of innovation and accessibility are incoporated in the draft vision and guiding principles.
1466	**Climate justice**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Climate justice because that is missing from the themes.	Climate action is incorporated in the draft guiding principles.
1467	**Waste reduction standards**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Policy as it has a crucial role in enforcing accountability, transparency, and other improvements. - Need for governmental components, such as policies on recycling technology, extended producer responsibility, and transparency mandates for producers. - Need for consultation with diverse groups. - Technological integration for optimizing waste management processes, including analytics for waste generation patterns and the development of apps to support recycling and composting. - Fostering partnerships with companies, institutions, and communities for more effective waste management solutions.	Government accountability, innovation, and collaboration are captured in the draft guiding principles.
1468	**Community, regional and global collaboration**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	The discussion on climate justice highlights the need to address sacrifice zones where waste management issues impact communities.	Transparency and collaboration are incorporated in the draft guiding principles

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1469	**Waste movement**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	- Emphasis is placed on understanding the entire lifecycle of waste, which not only remains in landfills but also moves into different ecosystems. - This requires increased transparency and collaboration with relevant authorities, such as the Department of Fisheries and Oceans, to tackle downstream pollution in rivers and streams, particularly in vital areas like the Fraser River entering the Salish Sea.	The concepts of climate action, equity, transparency, and collaboration are incorporated in the draft vision and guiding principles.
1470	**Climate justice**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups		The concepts of climate action, equity, transparency, and collaboration are incorporated in the draft vision and guiding principles.
1471	**Regulation and policy development**	Focus Group				There is also absence of specific policy mandates on production-related waste. - Drawing parallels to successful measures like the ban on single-use plastic bags, there is a call for more policies to alter behavior and reduce waste. - Need to bring production externalities, such as watershed degradation and chemical leaching, into the public sphere. The goal is to make these effects visible to local communities, fostering awareness of the environmental impacts of current production and consumption practices.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1472	**Health impact**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Need for discussions about health, particularly physical well-being, in the context of environmental protection. - Health impact as being environmentally friendly and protecting nature can lead to better overall health - Pollution in the ocean has potential negative impacts on human health through the consumption of contaminated fish.	Noted.
1473	**Climate change**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Need to acknowledge the reality of climate-related natural disasters as the frequency of such events has increased.	Climate action is incorporated in the draft guiding principles.
1474	**Accountability + Transparency**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Importance of addressing accountability early in the consultation process..	Accountability is incorporated in the draft guiding principles. Metro Vancouver is committed to engaging interested parties throughout the solid waste management plan update process.
1475	**Awareness of environmental impact**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	The importance of educating and guiding people to increase environmental awareness.	Environmental stewardship is incorporated in the draft guiding principles.
1476	**Accountability + Transparency**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Accountability.	Accountability is included in the draft guiding principles.
1477	**Waste reduction standards**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	The importance of policy and transparency in production and that the responsibility for environmental impact should shift from individual consumers to large-scale producers of goods and waste.	Transparency and corporate accountability are included in the draft guiding principles.
1478	**10 Emerging Themes**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	The need for accountability and transparency for businesses, especially in terms of their supply chain and chain of custody. The goal is to empower consumers with information to make informed decisions.	Corporate accountability is included in the draft guiding principles.
1479	**Awareness of environmental impact**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups		Corporate accountability is included in the draft vision and guiding principles.
1480	**Relevance for the indigenous communities**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Need to approach the situation with compassion and acknowledge the diverse backgrounds, abilities, and stories shared by individuals from various areas. The main point is to ensure that the system is accessible and effective for everyone, regardless of their differences.	Inclusive programs and services are highlighted in the draft guiding principles.
1481	**Accessibility + Equity**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Accessibility, consistency, and accountability.	These concepts are all incorporated in the draft guiding principles.
1482	**Cross-cultural collaboration**	Focus Group	Fraser Basin Council - Youth Focus Group	7-Nov-23	NGO/non-profit and environmental stewardship groups	Transformation of value systems to recognize the importance of traditional ecological knowledge held by Musqueam, Squamish, Tsleil-Waututh, and other coastal First Nations. The role of these indigenous communities in traditional resource management and waste disposal should not be overlooked. The approach includes conducting workshops on alternative products and traditional management practices, such as those related to shells and aquaculture, with the goal of integrating these practices into the broader waste management system.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1483	**Engagement, education and behavior change**	Interview	BC Housing	9-Nov-23	Multi-family sector	Accountability and transparency and education and behaviour change are the two most important. When you go through information from Metro Vancouver, they have adopted a waste reduction hierarchy. If you adopt a science-based hierarchy which includes everything on this list. A zero- waste hierarchy will include most of the things on this list.	Accountability and transparency are included in the draft guiding principles.
1484	**Accountability**	Interview	BC Housing	9-Nov-24	Multi-family sector		Accountability and transparency are included in the draft guiding principles.
1485	**Community, regional and global collaboration**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Collaboration is happening internally for BCH and MV needs to collaborate more effectively with partner organizations. Also we should work off the same hierarchy. I think the zerowaste hierarchy 8.0 should be adopted world wide.	Collaboration is incorporated in the draft guiding principles.
1486	**Accountability**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	There are building supervisors and managers that do not buy into recycling or proper waste management so how will that affect tenants and members of the public in their habits. We need to make them accountable.	Corporate accountability is included in the draft guiding principles.
1487	**Accountability**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	I would like to see an accountability agreement so that when tenants move in, they agree to go by the bylaws that exist. i.e. smoking is enforced by bylaws	Individual accountability is incorporated in the draft guiding principles
1488	**Engagement, education and behavior change**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Behavior change happens with community based social marketing where everybody employs the same kind of signage. Most people are served by the EPR system managed by recycle BC. There should be audits so that people can be accountable. We should encourage recycling ambassadors/champions at multi family sites to raise the recycling rates and reduce the contamination levels.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1489	**Innovation in product design**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Product design and innovation -- you have to give people, space to try new things and to fail. What happened is that many budgets don't include enough for resources and initiatives for waste and recycling.	Innovation is included in the draft guiding principles.
1490	**Climate Resilience**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Climate resilience is after the fact. If we all adopted the zero-waste hierarchy, we would not be dealing with climate resilience to the level we are heading towards.	Waste prevention is included in the draft guiding principles

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1491	**Incentives**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Incentives for recycling and waste reduction – Incentives are already built in and waste reduction means we have a second chance. Follow the basic principles of reducing and re-using.	Waste prevention and keeping materials in circulation are included in the draft vision and guiding principles.
1492	**Holistic/Systemic approach to waste management**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	This is a top-down endeavour. Social housing is just one aspect of public funds that go to solve issues and I think this needs to be topdown. i.e. If your organization is committed to reduce waste then this has to be top down. Walk the talk.	Noted.
1493	**Waste Processing/Management**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Transfer stations need random audits at that level too. Due to volume, you are not sourceseparating in those locations.	Loads are inspected at Metro Vancouver recyclign and waste centres to scan for banned recyclable materials. Surcharges apply when banned materials are found in garbage loads.
1494	**System change**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Rethink and redesign are critical to identify to affect change.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy.
1495	**Waste Processing/Management**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Hierarchy and city of Vancouver, this vision needs to be all across the lower mainland.	The vision would apply for the Metro Vancouver region. The updated plan is a regional solid waste management plan.
1496	**Regional standardization of services and practices**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Important to include the non-profits, they should not be allowed to spend the money if they do not so the research. This can take years to correct. i.e. surcharges for garbage and recycling	Receiving feedback from non-profits is an important aspect of the overal engagement process for updating the solid waste management plan, and non-profits play an important role in the delivery of integrated solid waste services in the region.
1497	**Accountability**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	You need to work with the haulers to ensure that everyone is on the same page to create consistency and accountability.	The recycling and waste industry is engaged through an Industry Advisory Committee, and Metro Vancouver has regular engagement with the Waste Management Association of BC.
1498	**Engagement, education and behavior change**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Education and behaviour change and accountability. These work hand in hand in being able to succeed in those other areas. If people are educated on how this works, it can work so much easier.	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1499	**Accountability**	Interview					This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste. Opportunities for increasing accountability, such as through regulation and other means, could be considered as part of an updated solid waste management plan.
1500	**Community-driven initiatives**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	We are trying to build community. With the redevelopment that is happening, how do you maintain that continuity and sense of community? Community gardens, education programs, the right to repair.	Increasing local/neigbourhood scale waste diversion opportunities could be considered as part of an updated solid waste management plan.
1501	**Holistic/Systemic approach to waste management**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	There is no future in the past. We can't have these stigmas that are attached to certain groups of people. We need to include a plan that people in various economic stages can participate in and be held accountable for as well. This includes the deployment of comprehensive programs to manage waste and to educate children.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1502	**Sharing resources and information**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Co-mingling budgets between partners could result in new and innovative ideas for educating about managing waste and recycling.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1503	**Collaboration across the industry**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	If waste management professionals are trying to invoke change, then they need to have a seat at the table. We do not waiver from our organizational safety issues and initiatives. There are many things that get implemented to prevent things from happening, why is this not done for waste management.	This appears aligned with proposed principle #5 - Foster innovation and **collaborative solutions**....
1504	**Holistic/Systemic approach to waste management**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	There is a need for brainstorming and looking at redesigning/rethinking the problem.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy.
1505	**System change**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	If you are going to make any changes to anything you have to start with a redesign or rethink. We keep doing the same thing and expecting different results.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy.
1506	**Accountability**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Accountability is key to supporting change. What are the consequences if we don't? We need to do what's right.	This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste. Opportunities for increasing accountability, such as through regulation and other means, could be considered as part of an updated solid waste management plan.
1507	**Enforcement of regulations**	Interview	YWCA City Shift	9-Nov-23	NGO/non-profit and environmental stewardship groups	Waste recycling guidelines and bylaws are needed and then they need to be enforced to create change and shift behaviours.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1508	**Continuous engagement and communication**	Virtual Meeting	Regional Planning Advisory Committee Social Issues Sub-Committee	9-Nov-23	Metro Vancouver Advisory Committee	Potential engagement with Food Policy Council	This appears aligned with proposed principle #5 - Foster innovation and **collaborative solutions**....
1509	**Food waste**	Virtual Meeting	Regional Planning Advisory Committee Social Issues Sub-Committee	9-Nov-23	Metro Vancouver Advisory Committee	Metro Vancouver's Climate 2050 Agriculture Roadmap - Lots of interest around food waste	Metro Vancouver's various strategies, plans and roadmaps are being considered as part of the solid waste management plan update process.
1510	**Continuous engagement and communication**	Virtual Meeting	Regional Planning Advisory Committee Social Issues Sub- Committee	9-Nov-23	Metro Vancouver Advisory Committee	Regional Food Systems Strategy Update connection	Metro Vancouver's various strategies, plans and roadmaps are being considered as part of the solid waste management plan update process.
1511	**Financial Equity**	Virtual Meeting	Regional Planning Advisory Committee Social Issues Sub-Committee	9-Nov-23	Metro Vancouver Advisory Committee	Cost as part of equity consideration, i.e. disabilities alternatives and cost of alternatives	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1512	**Financial Equity**	Virtual Meeting	Regional Planning Advisory Committee Social Issues Sub-Committee	9-Nov-23	Metro Vancouver Advisory Committee	Consideration of equity and affordability principles / tools - Trade-offs between sustainability and equity.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1513	**Recycling furniture**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Recycling of mattresses and furniture: Will Metro Vancouver implement a system for people who have no access to costs to recycle these items? We have many renters and many people who can't take these to recycling stations. If Metro Vancouver would like to increase participation rates of these kinds of programs, what will they do to help people without access to vehicles?	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.

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1514	**Waste Recylcing Systems**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	In HK, bringing things to recycle was easy; for instance, apartments can't receive scrap metal for recycling, There are only a few return-it shops in Vancouver. These are not accessible or easy to get to these places, especially for people living in towers. So stuff are left in a pile, and not everybody is recycling correctly from what I see at my building.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1515	**Recycling furniture**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Recycling furniture/apps, this follows municipal gov't; call them and they'll pick these up; there's a fee for recycling/dump (need to pay a deposit fee); within a year, she's used it 23 times (or it's offered as such); can post into Facebook marketplace or put in front of house to say it's free, and it'll be gone within a week. Government can do more. They've received more plastics. This year, they said that soft plastics can be recycled but you have to go to returnit. These fees are expensive, but if a particular recycling category is high, then maybe the government could also expand the recycling locations too in the long run. -Educational awareness is different per region; not easy to standardize process (nor may be necessary)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1516	**Allocating resources for education at various levels**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Boarding school changes; as students, our bottles / recyclable containers is a bit frustrating to return. Does Metro Vancouver have more resources for students? Went to HK during the break and did recycling parttime, and learned that recycling in HK compared to Metro Vancouver can be an example. Hong Kong has a [31:25 term] can also recycle bigger electronics, like lighting. It'd be great if the entire province can accept more types of materials and centralised at Return It locations.. - It's hard to access	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1517	**Recycling furniture**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Furniture cannot be recycled and it's time consuming to do. Without a car, it's super difficult. Even if it's some common items, with glass bottled milk for instance, recycling isn't easy. Metro Vancouver can partner with grocery stores to set up a recycling program, even with incentive schemes too.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1518	**Financial Equity**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Question regarding cost of waste disposal. City of Vancouver will collect waste house by house; City staff collects this, but for people in condos, these people need to spend money to dispose of waste. This doesn't seem right/fair. - This is an equity issue	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1519	**Equity in information and education**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Those living in condos/apts, there's not much information about recycling and garbage is not enough especially for newcomers.The information is not transparent and not easy to access - Not much info that can be accessed online	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1520	**Recycling furniture**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Respond to small appliances/furniture; Can try placing the piece at the bus stop marked with "Free" then it might give it a second life with those in need. - Best buy, staples also have recycling programs, but their policies may be weird. Best buy may have smart LED sold, but they won't take these. Different stores have different policies. Can't there be more coordination between the stores? It doesn't make sense that stores selling these items do not have options to recycle these.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1521	**Regional standardization of services and practices**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Consistency between municipalities would make things easier. Richmond, Burnaby, and Vancouver, where most HKers are residing have different recycling standards and programs. Cities have their own autonomy but it's better to have a consistent standard. Less confusion, more incentive, streamlined. Accessibility is key not just for equity, but can change behaviour. Should make behaviour change by making it easier to recycle.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1522	**10 Emerging Themes**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Accountability for producers and consumers: Garbage — most accountable should be producers, because they are responsible for packaging; if there wasn't a problem/issue in the first place, then we wouldn't have these problems. Affordability in recycling.	This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste. Opportunities for increasing accountability, such as through regulation and other means, could be considered as part of an updated solid waste management plan.
1523	**Sustainable product design**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Circular economy and product design / innovation: Compatible to one another. It's costly to the consumer without the circular economy built in.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1524	**Reduced packaging**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Product design too. Many bottles. Buys bulk to save on packaging. Things that are consumed quickly, if they're too small, then too many containers of waste are produced. Material for bottles are also not specified (plastic/ glass)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1525	**Regulations to reduce waste at the production stage**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Product design & innovation — this is most aligned with government policy. For instance, Government of Richmond, many plastic products have gone into the ocean; if gov't can sponsor/incentivize for new materials (e.g. for hair washing products), then it'd be helpful, and consumer behaviour would change	Ocean dumping of solid waste does not occur in Metro Vancouver. This appears aligned with proposed principle #2 - Build confidence about what happens to our waste and recycling...
1526	**Need for a shift of responsibility from consumers to producers**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Accountability & transparency — Producers are now transferring responsibility for waste management to consumers. Sustainability is a collective effort to generate improvements and shouldn't be an individual effort. Media is powerful to changing mindsets: How can gov't use the media to keep producers and consumers accountable?	This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste. Opportunities for increasing accountability, such as through regulation and other means, could be considered as part of an updated solid waste management plan.
1527	**Access to disposal/recycling options**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Accessibility, because not everyone can easily go to recycling places. If a building can already receive these items, then this'll be easy. Communication — Canada has many immigrants, but their Eng isn't great. They may be fearful to access information because their primary language isn't represented by the gov't. This isn't an issue specific to waste management. Gov't can also create maps, even if it's paper. For HK, gov't created an app with the closest location for recycling and options for recycling types. Lots of funding/support went into this map.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1528	**Youth/Next generation focused education/engag ement**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Education is essential to change the behaviour of our next generation and it's crucial for waste reduction	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1529	**Environmental Stewardship**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	All of these are important, but I chose env stewardship, because I think most people are already environmentally minded, but waste management has more logistics that the gov't can be involved with. Education is also pretty good these days, so not a big priority anymore.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1530	**Environmental Stewardship**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Env stewardship is provincial and federal scope. Metro Vancouver cities aren't on the same page, which causes issues for residents	Opportunities for increased collaboration across levels of government can be considered for an updated solid waste management plan.

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1531	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Education. Least important because there's a high awareness about the need for sustainability. Responsibility is downloaded to residents because of this. The most important thing should be accessibility and easiness to act. Gov't and corporate have the most power to make an impact, so they need to act first. In HK, without canteen, students meals don't use sustainable products.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1532	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Education — the need to act is already stressed and people are interested in doing this, but there's no easy way to act.	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1533	**Waste Processing/Management**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Is this only re: solids and not liquids? I.e. gas – Where does one dispose of gasoline? Various locations (stores), but gas stations won't provide options. It's a piecemeal solutions right now	Metro Vancouver Recycles (https://recycling.metrovancouver.org/) is a good resource for questions like this.
1534	**Regional standardization of services and practices**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	No unified response among various municipalities. Includes small appliances/furniture - Buy nothing group can be helpful, but the gov't policy / programs has the most impact. Gov't taking so much from taxpayers but aren't doing enough.	This appears aligned with proposed principle #7 - Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1535	**Recyling facilities/depots**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Hopefully Metro Vancouver can provide more accessible and convenient recycling depots for electronics appliances, gasolines ...	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully, and proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1536	**Relationship building**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Metro Vancouver needs a better way to consult the community and look into user experience research as an incentive or disincentive to not recycle. Metro Vancouver's not speaking with commoners on how recycling experience is being done. Why is it only HKH where I've learned about this info from? Should observe how people recycle. Gov't doesn't do a good job of listening to residents' pain points and actually doing something for us	The solid waste management update process involves comprehensive engagement opportunities for all segments of the public
1537	**Reduced plastic usage**	Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	Buying products with less plastic packaging	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1538		Collaborative Engagement - Workshop	Hong Kong House Cultural Society	19-Nov-23	Public	The statistics are not encouraging because Canada is actually one of the worst contributors to waste	This appears aligned with proposed principle #2 - Build confidence about what happens to our waste and recycling, and how we measure waste reduction and recycling.
1539	**10 Emerging Themes**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Enhancing transparency can raise awareness among a larger audience. And the same time, there must be an affordable cost before people can be encouraged to take action.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1540	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Affordability and accessibility- It affects human habits most which is most important is the success of the whole matter.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1541	**User-friendly waste management systems**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Convenience and consistency- If it is in easier ways, people will keep doing with it. But if it is difficult for handling/ with unclear rules, it cannot to sustain.	This appears aligned with proposed principle #7 - Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1542	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Because it's important to educate our next generation.	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1543	**GHG/Carbon emission reduction**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	I believe reducing consumption and low carbon circular economy practices is important to reduce the impacts of climate change. More awareness and education for individuals and companies are critical to help achieve these goals.	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1544	**Reduce**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Reducing is more effective than reuse or recycle.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy.
1545	**Producers Accountablility**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Some stakeholders are creating waste to other stakeholders. e.g. Shops sending flyers to residents.	This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste.
1546	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Businesses produce a large quantity of goods each year, and it is a great waste to use them only once. There should be waste reduction at the source, with an emphasis on reusing and giving new life to old items. Encouraging maximum reuse is more environmentally friendly than recycling.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1547	**Source reduction**	Collaborative Engagement - Survey				Affordable recycling costs and options serve as the primary incentive for residents to recycle. If the locations of the recycling depots are inconvenient, or if the bottle deposits refund policies are too complicated, people may not accumulate a pile of recycables and return them to the nearb	This is aligned with the highest levels of the solid waste/polution prevention hierarchy.
1548	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Some people might not have a car/ cannot afford doing so e.g. buying specific garbage bags for disposal; some people might not have access to the news about these new policies and might not know when it is implemented and what to do when laws are enforced.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1549	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Forcing people to adhere to a certain approach through legal means is far less effective than inspiring genuine adherence. The former requires a significant administrative cost, involving the monitoring of citizens for compliance.	This comment appears to be aligned with a number of the proposed principles..
1550	**User-friendly waste management systems**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	They are directly impacting waste reduction,as they encourage recycling and make it easier, so that people are more encouraged to do so	This appears aligned with proposed principle #7 - Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1551	**Community, regional and global collaboration**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	collective effort should be the most effective way.	Collaboration is a key element for updating the solid waste management plan. This is aligned with proposed principle #5 - Foster innovation and **collaborative solutions**...
1552	**User-friendly waste management systems**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	People are more likely to participate when it is simple and convenient. It helps to develop recycle habits.	This appears aligned with proposed principle #7 - Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1553	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Even the target is the most important or is the thing that everyone pursue, there are many realistic options and boundaries need to be faced and solved.	Noted

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1554	**Re-use**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	We need to solve the problem from the source. With better design, we can produce products with longer lifespan, and reuse what we have.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy and key elements of a circular economy.
1555	**Sustainable product design**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	With better design, we can produce products with longer lifespan, and reuse with more purpose.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy and key elements of a circular economy.
1556	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	It's crucial to educate the public the importance of reduce. Supporting facilities and resources are essential for the public to choose reuse and repair.	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1557	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Current Recycle-it depots are remote and not accessible. Using recycled and environmental friendly products would surely increase cost and shall be covered by govt incentive	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1558	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	It's easier for people to start a habit of recycling when it is made convenience and accessable.	This appears aligned with proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1559	**User-friendly waste management systems**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1560	**User-friendly waste management systems**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Most of the time people seem to casually toss items into recycling bins, so it's crucial to highlight the importance of education. Additionally, the classification mechanisms for materials (such as plastic-coated paper, newspapers, receipts) are sometimes unclear, leading to confusion among citizens and indicating a need for improvement.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1561	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1562	**Incentives**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	The rest of options seem to be addons, or approaches that have been ongoing and successful. In order to ensure widespread adoption of waste reduction practices, making it accessible to all with added incentives should be the areas that need work the most at the moment.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1563	**Accessibility + Equity**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		This appears aligned with proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1564	**Accountability**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Accountability: everyone should have responsibility	This appears aligned with proposed principle #1- Advocate for increased accountability from residents, businesses and governments to reduce waste.
1565	**Youth/Next generation focused education/engag ement**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Education: That's affecting the next generation hence the future so that they can create a better sustainable society. Also, people have been putting so much emphasis on customers recycling instead of waste reduction at the source, I think it's important to balance both.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy.
1566	**Convenience**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	It should be low friction and convenient for regular people.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1567	**Convenience**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	The more convenient waste reduction measures are, the more they contribute to changing the habits of urban residents.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1568	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	It has to be easy and affordable for people so they don't need to put in too much extra effort.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region, and proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1569	**Incentives**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	With incentives we can reinforce waste reduction actions for both businesses and individuals.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
1570	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	In a fast pace world people value convenience most. A much better recycling design flow can help encouraging people in reviewing their life style and reduce waste. At the same time, I always felt guilty from purchasing goods and there's too much necessary package just for decoration in boosting sales.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1571	**System change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	There is only so much an everyday person can do, while education is important or even crucial, there must be plans/policies targeting businesses/ industries to actually make a difference	This appears aligned with proposed principle #1- Advocate for increased accountability from residents, businesses and governments to reduce waste.
1572	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Because these two items are the ones that can lead to the adoption of such behaviour across the general public. Even if such policy and legislation are in place, if only small population of the society participate, then overall it is not impactful or meaningful to the environment and society as a whole.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1573	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Given that there is increasing inflation and cost of living, affordability of recycling and waste disposal options are clearly important for feasibility. Services that are easy to use are crucial as well because if it is too confusing or complicated, people will not be motivated to take action or know how to do recycling work in correct ways.	This appears aligned with proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1574	**Incentives for consumers**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	For affordability, because the easier people can afford and access can increase the willingness of people to out effort in doing it, when it is not a huge extra step to achieve, people are more willing to do a small step forward compared to those that are hard to access. And for incentive toward business and individual, again as mention above, people tend to do what is most convenient for them, therefore reward will help to encourage people to walk a step forward	Regarding the idea of incentives, specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
1575	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		This appears aligned with proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1576	**Convenience**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	The ease and creativity interested me.	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.

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1577	**Research and Policy**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Circular economy: City should have the research finding in knowing in whole which systems create the most waste. At the same time, city can encourage people in reusing garabge in more creative way like organizing recycle workshop for public	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1578	**Incentives**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	If it's difficult to reduce waste, less people are willing to contribute. It's difficult to make a habit at the beginning. Having incentives can encourage motivate businesses and people to take actions.	This appears aligned with proposed principle #7 - Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1579	**Incentives**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Because it all starts with the individual. Without education, people won't know why recycling and waste management are good or worth doing. And without incentives Luther won't feel a need to do it.	Regarding the idea of incentives, specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
1580	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1581	**Product materials**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Merchandise is a source of waste. Both buyers and sellers bear the responsibility of knowing the materials used in the production and avoiding excessive packaging. Increasing transparency in material usage helps motivate consumers to actively engage in sorting and recycling. Proper and reasonable recycling (procudures) encourage people to make it a regular practice. It also promotes environmental awareness and enables recycled items to reach the correct endpoint, thereby contributing to a second life.	This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste, and proposed principle 6- Prioritize environmental stewardship by valuing and conserving materials and products.
1582	**Re-use**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Circular economy: Reuse is always better than recycle.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy.
1583	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Affordability: To empower the public to take action	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1584	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Through education we can persuade people to reduce waste, and even waste is unavoidable, we can at least brainstorm or encourage the upcycle or reuse through circular economy	This is aligned with the highest levels of the solid waste/polution prevention hierarchy.
1585	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Affordability: Affects my daily life most	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1586	**Circular economy**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	While being environmentally friendly, it is crucial to consider the affordability for residents. Sustainability can only be achieved through a circular economy.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy and key elements of a circular economy.
1587	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1588	**Source reduction**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Accountability: Handling and addressing at the source are most important	This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste, and proposed principle 6- Prioritize environmental stewardship by valuing and conserving materials and products.
1589	**Financial incentives**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	For the general public, monetary incentive is the most significant motivating factor that leads them to compromise. (Previously worked on waste reduction promotion in Hong Kong)	Regarding the idea of incentives, specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
1590	**Behavioral change campaigns/ promoting responsible behaviors**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	People needs motivations or some push factors to change their habits. Accessibility of recycling sites is very critical in facilitating people's change in habits. Besides, when the living costs in BC is getting higher and higher, realistically the cost incurred on recycling is definitely another important factor for people to consider.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1591	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	I think that these two are the ones that can be the biggest barrier to people living a more environmentally sustainable lifestyle. Without accessibility to both education/information/services or recycling/waste disposal options, those without this access are unable to contribute even if they want to.	This appears aligned with proposed principle #7 - Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1592	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1593	**Circular economy**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	A circular economy is a virtuous cycle. In addition to educating the public and promoting environmental concepts, it requires a well-established economic framework for support. Each industry utilizes advertisements to generate diverse demands and entice people into making purchases. A circular economy helps people realize that satisfaction doesn't necessarily come from constantly buying new things. If recycling services are inconvenient, it's challenging to develop the habit.	This is aligned with the highest levels of the solid waste/polution prevention hierarchy and key elements of a circular economy.
1594	**Source reduction**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Affordability: Because we need to eliminate waste from the source and maximize the chances of getting things recycled	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1595	**Awareness of environmental impact**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Because education is a long-term process. Greater transparency makes it easier for people to understand.	Noted and appears aligned with proposed principle #2- Build confidence about what happens to our waste and recycling, and how we measure waste reduction and recycling.
1596	**10 Emerging Themes**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Accountability: People may mostly focus how to executive instead of knowing how the business works.	This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste, and proposed principle 6- Prioritize environmental stewardship by valuing and conserving materials and products.
1597	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	I am not saying they are not important. But relatively I am less concerned about education and equity.	Noted
1598	**Equity and Social justice**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		Noted.
1599	**Transparency in waste management processes**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Transparency and incentives can be complicated and have unintended consequences, which could	Potential unintended consequences will need to be considered for an updated solid waste management plan.

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1600	**10 Emerging Themes**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	make them less effective.	Noted.
1601	**Incentives**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Product design: If you have the right incentive, innovation will flourish without additional input.	Regarding the idea of incentives, specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
1602	**Feasibility and Effectiveness**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Climate resilience: Comparatively expensive, difficult to assess effectiveness	Measuring impacts of actions will be a key aspect of an updated solid waste management plan.
1603	**Incentives for consumers**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	These two points are relatively broad. Over the years, global awareness of environmental education has been well developed. Everyone knows the importance of environmental protection, but habitually succumbs to the inertia of laziness. We need incentives to change people's habits. Allocating funds to concrete, implementable, and quantifiable waste reduction themes is more measurable, and the effectiveness is easier to be evaluated. It will be more effective than investing in other themes where the direct effects are unknown due to too many other uncontrollable factors. This approach allows for better measurement and identification of areas for continuous improvement.	Regarding the idea of incentives, specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
1604	**Reduce, Reuse, and Recycle (3Rs)**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Whether or not people are accountable for it, they should still be responsible for reducing waste; i think most people have the mindset of reuse and repair already	This is aligned with the highest levels of the solid waste/polution prevention hierarchy and key elements of a circular economy.
1605	**Individual responsibility/impact**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	I conserve water not because I am worried about the high utility cost, but simply because I don't want to waste the resources. (What I am trying to say here is) I don't require any incentives from the government (to contribute to environmental protection).	The take-away here is that targeted incentives may be more effective as they don't always work for everyone.
1606	**10 Emerging Themes**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Accountability: They are more focus on information provision which may not be useful when people do not pay attention to or interested in.	Noted
1607	**Global collaboration/Alignment with global policies**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Raising climate resilience would take effort from the whole country and even other nations. It would take a long time and not feasible just by the effort of metro Vancouver.	Opportunities for increased collaboration with other levels of government can be considered for an updated solid waste management plan.
1608	**Affordability of products**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	There has been regenerative products in the market. Yet the price is usually higher and couldn't attract consumers.	Noted
1609	**Public perceptions and attitudes**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Circular economy is important, but the decision to reuse or purchase new items often depends on the economic situation. In better economic conditions, people tend to prefer buying new items, making it challenging to change this behavior.	Affordability is a theme that is being heard and is aligned with Metro Vancouver's Corporate Strategic Plan.
1610	**Incentives**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Incentives have limited effectiveness, and the associated costs are quite significant. Allocating more resources to incentives does not necessarily guarantee effectiveness.	The take-away here is that targeted incentives may be more effective as they don't always work for everyone.
1611	**Recycling infrastructure improvement**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Environmental protection is already a well done area in Metro Vancouver, and it is not as relevant in terms of waste processing. Metro Vancouver already has a rather robust foundation in recycling, and therefore further investment on systems and technology is also not as important	Noted
1612	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Education has been here long enough but doesnt do anything	The take-away here is that more effective information and campaigns need to be considered.
1613	**Storytelling**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	If the people already have the idea and self motivation (due to education) to be environmental friendly, these will not be as important.	Noted
1614	**Protection of natural resources**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Sometimes it's necessary to make changes to natural spaces. Of course we should strive to protect most natural spaces, but stewards often abuse their power in this regard and use it to hide their NIMBY'ism.	This appears aligned with proposed principle #1- Advocate for increased accountability from residents, businesses and governments to reduce waste, and proposed principle 6- Prioritize environmental stewardship by valuing and conserving materials and products.
1615	**10 Emerging Themes**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Transparency has little impact on waste reduction.	Metro Vancouver's experience has been that there is demand for comprehensive information on the solid waste management system.
1616	**Product design**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Innovative product design is not directly related to waste reduction.	An example of the relationship to waste reduction is products and packaging that are re designed to be reusable.
1617	**Allocating resources for education at various levels**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Even though there's excellent recycle design product, it needs customer to be well educated and understood the beauty of those products. Right now we did a good job on reserving the environment, hence more resource should be allocated on education, customer and producer responsibilities.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
1618	**Supporting local businesses**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	I really don't feel like having incentives to encourage businesses, especially big corporations, is useful or meaningful as they are the ones contributing the most in creating these solid wastes for capitalistic reasons and gains. Furthermore, big nationalwide and international corporations have the resources and capacity, whether that is resources or skills/humans, but they haven't been very good at doing it. The focus should really, in my opinion, be with local small businesses and the people who live in the area.	Noted and appears aligned with proposed principle #1- Advocate for increased accountability from residents, businesses and governments to reduce waste.
1619	**Product design**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Climate reslience and product design: I feel like these two themes are more longterm approach and require more expenses for investment, which may not result in significant effect in the short term. I would prefer implement based on themes that are more approachable to the general public first	Noted
1620	**Climate Resilience**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		Noted.
1621	**Holistic/Systemic approach to waste management**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	I believe that there are already a huge amount of education about reducing waste in the society, not that people don't understand, is that there are not enough motivation for people to do it. Same for products, there are currently many designs for reducing waste and there are still a lot of new products and research coming out, therefore for me there are something else that should go in front of them	Noted
1622	**Storytelling**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		The concepts of accessibility and convenience are incorporated into the draft vision and guiding principles.

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1623	**Awareness of environmental impact**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	If the education and awareness of waste reduction goal are extensive enough, I don't think the accountability and transparency would change the game much and investing in systems with low climate impact can be a longterm goal, we can focus on other goals which can be achieved immediately or in a shortterm so to encourage people to make a long-term commitment (this involves money investment as well, not an easy target!	Noted
1624	**Sustainable product design**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Renewable products may not necessarily be the choice of the general public; in terms of resource allocation, they may only reach a minority.	This may be addressed by proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1625	**Awareness of environmental impact**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Climate change, on the other hand, is something many people are unwilling to confront. Starting from education would be more effective in instilling awareness from an early stage, even though the costs and time involved are relatively high and long	Noted and appears aligned with proposed principle #8- Take action to reduce the carbon footprint of materials used in our region.
1626	**Circular economy**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	I chose these 2 items due to the timeliness of the measure. As these may take a longer time to invest or invent new products, I would weight these measures as less urging?	Noted
1627	**Product design**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	It may take a longer time to invest or invent new products, I would weight these measures as less urging?	Noted
1628	**Awareness of environmental impact**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	I think that incentives are not entirely necessary if people understand the need for sustainability; those who have enough education on the subject likely won't need a reward to take action.	Noted
1629	**Consumer choice**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	In terms of product design, I think that those who are committed to living a more sustainable life will likely opt for more sustainable products anyway.	Noted
1630	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Passing this concept to the next generation is crucial.	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1631	**System change**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	How waste management can adapt to the change of the city life? i.e. from detached house oriented system to a system that is usable for different housing types.	Increasing density and changes to zoning, land use and housing types are important factors to consider with planning solid waste systems over the long term
1632	**Protection of natural resources**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	How to reduce water usage in recycling? Cleaning of the green bin, bottles, containers all use water.	Water conservation is an important consideration.
1633	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public		The concept of resilience of the solid waste management system is incorporated into the draft vision and guiding principles.
1634	**Local repair and reuse programs**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Ensure that the items in the recycling bin are genuinely being recycled. Yesterday, I heard a young student mentioned that despite their efforts to sort and recycle, the waste ultimately ends up in the landfill. If this is indeed the case, it becomes challenging to convince more residents to reduce waste at the source.	This is aligned with proposed principle #2- Build confidence about what happens to our waste and recycling, and how we measure waste reduction and recycling.
1635	**Individual responsibility/impact**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Free returns are the most wasteful, involving both wasted packaging materials and the additional environmental impact of shipping items back to the warehouse.	Noted
1636	**Product materials**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Encouragement of a wider variety of materials for recycling, such as electronics and clothes.	Expanded extended producer responsibility programs is something Metro Vancouver continues to advocate for. Electronics and clothing is available for drop off at various locations throughout the region (refer to MetroVancouverRecycles.org)
1637	**Convenient Locations for recycling and waste stations**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	The places for recycle should be more convenient.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1638	**Supporting local businesses**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	City could consider controlling the amount of fast fashion stores or big brand department store in the city. Focus on promoting local consignment stores.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1639	**Incentives for consumers**	Collaborative Engagement - Survey	Hong Kong House Cultural Society	19-Nov-23	Public	Increase the number of plastic bottle and aluminum can recycling machines to facilitate recycling for residents, avoiding the need to store too many containers at once. Often, when people consume bottled or canned beverages while out, they bring the empty containers home or place them in regular recycling bins. Without deposit refunds for containers, some individuals might simply throw them away in the trash.	Thanks for this feedback. Our understanding is that Encorp Pacific/Return It, the producer responsibility organization responsible for beverage container recycling in BC does work with Metro Vancouver member municipalities on the citing of potential additional Return It locations. Express and Go drop off is also available at some Metro Vancouver recycling and waste centres.
1640	**Accountability**	Interview	Vancouver Regional Construction Association	20-Nov-23	Construction and demolition industry	Accountability and transparency are number one for producers and consumers. If you are going to start from the beginning, you must start with producers. There is enough waste in construction for sure.	This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste, and proposed principle 6- Prioritize environmental stewardship by valuing and conserving materials and products.
1641	**Engagement, education and behavior change**	Interview	Public	20-Nov-23	Public	Education and changing behaviours and the way people think about waste.	Education and community based social marketing is an integral aspect to the current solid waste management plan, and is expected to continue in an updated plan.
1642	**Demolition and construction waste**	Interview	Public	20-Nov-23	Public	Affordability and accessibility are also key in construction. We contractors try to keep our waste to a minimum, but everything is based on the dollar for businesses. Ie: reducing waste if it is financially viable.	Affordability is a theme that is being heard and is aligned with Metro Vancouver's Corporate Strategic Plan.
1643	**Re-use**	Interview	Public	20-Nov-23	Public	We will reuse products, recycle stuff if it keeps our cost down. We try to do this as much as we can. We went through a process of determining how products could be reused. We keep some materials that we can and give away or reuse as much as possible to avoid waste. A good example of a resource for reuse of products is Facebook marketplace. Instead of taking materials to the dump and paying to dispose of it, we can sell items on FBM. I had old decking which would have cost me money to take to a landfill. Instead, I sold it on FBM for $100 and it was reused by the purchaser to build a deck at his holiday cottage. Instead of spending $100 at a landfill to dispose of it, I was paid $100 and the buy took it off my hands and reused it.	Noted
1644	**Affordability of waste reduction practices**	Interview	Public	20-Nov-23	Public	A big part associated with cost, in business, is, if materials come back to me, that we cant reuse, then we have to pay to get rid of it. There is an economic factor to keep into account. This also helps to reduce not only waste on our site but also the overall amount of waste that is generated.	Noted

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1645	**Accountability**	Interview	Public	20-Nov-23	Public	It is resused by someone else instead of going to a landfill. This also shows social responsibility accountability and transparency. We need to change our behaviour about what we buy, how we buy and what we dispose of. Less disposal means less landfill.	This appears aligned with proposed principle #1 - Advocate for increased accountability from residents, businesses and governments to reduce waste, and proposed principle 6- Prioritize environmental stewardship by valuing and conserving materials and products.
1646	**10 Emerging Themes**	Interview	Public	20-Nov-23	Public	This is a loaded question because everybody has an opinion. The differences and discrepancies are minimal, but it is just looking at them with a different perspective. I don't think that you can discount any of them as they are all important.	Noted
1647	**Cost effictiveness in waste practices**	Interview	Public	20-Nov-23	Public	Industry is always cost driven so you must be cost effective or give alternatives that can be cash positive to a business. Gyprock (Drywall) is a good example. Its is deemed contaminant (Methane leachate when disposed in a landfill.) it is very costly to get rid of and some construction companies are getting creative on disposal. Instead of taking it to a landfill where it costs them money to dispose of it, many leave off cuts of gyprock in the walls of the homes they are building.	This may be addressed by proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1648	**Affordability of waste reduction practices**	Interview	Public	20-Nov-23	Public	Accessibility and cost are very important to a business. Given a cost effective alternative, they will dispose of it properly instead of paying to dispose of it.	This may be addressed by proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1649	**Continuous engagement and communication**	Interview	Public	20-Nov-23	Public	One of the best things you can do is speak to the industry itself. We have regular meetings with general contractors or trade contractors.	This feedback is appreciated. The solid waste management plan engagement strategy aims to seek feedback from a broad spectrum of industries, individuals and interests.
1650	**Continuous engagement and communication**	Interview	Public	20-Nov-23	Public	We have town halls for those things that impacts the industry to allow for people to voice their opinion and have an open discussion about it.	We will consider this for our collaborative engagement process.
1651	**Demolition and construction waste**	Interview	Public	20-Nov-23	Public	If you want to take the true temperature of what is critical to construction companies and people then contact the VRCA set up a meeting or town hall with different members of the construction industry and address the issue.	We will consider this for our collaborative engagement process.
1652	**Metro Vancouver - Vision and role & responsibilities**	Interview	Public	20-Nov-23	Public	Metrovan needs a vision, something that is shared with the community. I don't even know what the vision is for Metro Vancouver. We need clear messaging from MetroVan on what the problem is and what does it want to achieve and how does it want to achieve it.	Information on Metro Vancouver's vision and mission statement can be found in the Board's Strategic Plan.
1653	**Engagement, education and behavior change**	Interview	Public	20-Nov-23	Public	I have three bins – one is for recycling, one for garbage and one is for food waste, but I don't know what happens to them. What happens to the food and garden waste. Where does the recycling go. Is disposal cost effective for Metrovan, the environment etc? This is where education is important.	This is aligned with proposed principle #2 - Build confidence about what happens to our waste and recycling, and how we measure waste reduction and recycling.
1654	**Accountability**	Interview	Public	20-Nov-23	Public	Accountability and transparency. Who is accountable? Producer or consumers?	Both producers and consumers have an important role to plan in helping achieve our waste reduction and recycling goals.
1655	**Fabric, textiles and clothing**	Interview	Public	20-Nov-23	Public	Clothing brands and labels are made by the hundreds but, what happens to cloithing that doesn't sell?'t sell? Who is responsible for this waste? Where does it go? Do we need to make more consumer goods than people can consume?	This is aligned with proposed principle #2 - Build confidence about what happens to our waste and recycling, and how we measure waste reduction and recycling.
1656	**Metro Vancouver - Vision and role & responsibilities**	Interview	Public	20-Nov-23	Public	Metro Vancouver needs to have a clear vision and put that out into the public because I don't even know what it is. There is nothing that comes up as a single word or one line statement that I can find. This needs to be shared with all stakeholders.	Information on Metro Vancouver's vision and mission statement can be found in the Board's Strategic Plan.
1657	**Youth/Next generation focused education/engag ement**	Interview	Public	20-Nov-23	Public	This generation is all about saving the environment but there is still so much to know, and you have to look at everything to engage this generation to minimize waste.	Noted
1658	**Demolition and construction waste**	Interview	Public	20-Nov-23	Public	In Construction, Waste is not usually high on the agenda as it is not considered an issue or a priority. Materials procurement for a project is a priority. Once its completed, disposal is a low priority. If we have a social agenda and waste and sustainability is a priority for the province, it will trickle down from the top and become a focus. What is the value proposition in the construction industry? Suggested to do some pre engagement to identify the priorities of the construction sector through engaging the VRCA first.	We will consider this for our collaborative engagement process.
1659	**Access to disposal/recycling options**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	Accessibility of bins in covered areas and convenience is an important part, but many older buildings don't have accessible covered space available for recyclables; need to take up parking spaces for recycling bins or require tenants to walk out of the building to get to the recycling area, which is seen as inconvenient. Tenants are not making good use of paper bins/not breaking down cardboard etc. Organics are typically in enclosed spaces, and they smell bad especially in the summer. Makes the experience unpleasant. The cost of solid waste service pickup to landlords will always be an issue that Metro Vancouver should help out with.	This may be addressed by proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1660	**Sorting**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	The recycling sorting is a big issue. If it gets too complicated, people won't take all the steps. Older buildings weren't designed to have so many bins, difficult to manage all of that and find alternative space in the building. If the bins were streamlined, it would be easier for tenants to understand and put all of the recyclables in one place.	This may be addressed by proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1661	**System change**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	All of our recycling and waste services are provided by third parties. That party does audits to track diversion rates, and find ways to improve diversion. Paramount consideration that Concert continues to work on. Concert also has compactors in the buildings which reduces the amount of pickups and helps to decrease waste, this is a costly installation for buildings to take on.	Noted
1662	**System change**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	Compactors in most buildings with exception of townhouse complexes. Helps to reduce the amount of pickups but comes with additional maintenance costs.	Noted
1663	**Subsidies for Sustainable Practices**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	We need Metro Vancouver's support and help managing the cost impact of this on our businesses. Highly controlled and regulated industry. Recycling Initiatives are great but impacts are direct and indirect. Organics program is great but motivates a lot of tenants to throw more down the garburator, which leads to additional costs with maintenance. Mattresses Landlords get stuck with the additional cost of disposing mattresses, many of which are disposed behind buildings. Anything you can do to lessen the pain on our industry and help create solutions will help further your goals and initiatives.	Noted

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1664	**Subsidies for Sustainable Practices**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	Need support and assistance to facilitate these initiatives. Rodent issue in Metro Vancouver seems to have accelerated and is particularly bad and has health concerns attached to it. Bins need to go outside of buildings in smaller complexes and is attracting the rodents. Garbage is a huge chunk of our operating costs therefore tipping fee increases are a concern for our business. Haulers are charging 20-30% more for services which include the tipping fee.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1665	**Engagement, education and behavior change**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	Education. Make sure resident population can reduce recyclables effectively without creating contamination problems. Bins need to be locked to prevent people rummaging through bins.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1666	**Single-stream recycling**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	Single stream bins super convenient for tenants.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1667	**Single-stream recycling**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	The buildings we own use Mini Bins Recycling services and it makes it very convenient for tenants, there is an appeal to go to a single-stream system for recycling for the ease of consumers and cost efficiency. Tired of having a whole bunch of bins at the back of the building. In our opinion it has not changed the contamination level.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1668	**Services for multi-family residences**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	We need to be able to support and educate tenants. For example, with the larger household items Mattresses etc. is there the ability to support a more than "once a year" dumping site that we currently have (which typically needs a vehicle to get to) and cater to more dense areas on a more frequent basis. Or have a day of year that waste is collected from buildings? Tenants in denser areas tend to not have the ability to bring these larger items to these disposal sites, making it convenient will ensure tenants more engaged.	This may be addressed by proposed principle #4- Enable all users, regardless of their income, education, or life experience to participate fully.
1669	**Access to disposal/recycling options**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	The more accessible, the more people will recycle. Mice problem has become a big issue with organics and has become a tremendous cost at lots of the buildings in the lower mainland for pest control costs. Also other wildlife like bears. Moving bins inside has become counterproductive as the bins damage the building infrastructure.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1670	**Single-stream recycling**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	Issues are costs, rodents, organization, support for single stream. Education is helpful- helps a lot when city translates posters. Keep in mind construction sites also seem to produce a lot of rodents, that may also affect the rodent issue if buildings are adjacent to construction sites.	This feedback and the related feedback from other regarding rodents is appreciated. This can be taken into consideration in the Idea Generation and Options Analysis phase of the plan development.
1671	**Equity in information and education**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	Translated posters are a great idea to increase accessibility.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1672	**Garbage/recycling pickup**	SWMP Vision and Guiding Principles Meeting	Landlord BC	23-Nov-23	Multi-family sector	Start of the month, end of the month always really hectic. Those time periods key in terms of garbage pickup. If there is a missed pickup or the timing isn't right, you can be stuck with a lot of material until the next pickup.	Noted
1673	**Financial Constraints on Waste Reduction**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	We appreciate Metro Vancouver understanding the economic realities that our sector continues to face, and respectfully ask for your help and support in managing/limiting the fiscal (cost) impacts of solid waste management for our rental businesses. Solid Waste Management is a key cost driver. We're seeing haulers significantly increasing costs, and we are unable to pass these additional costs (or any portion thereof) to our current tenants through our annual allowable increases. Whereas Paul shared projections of 5% per year cost-increases for Metro's fees, our sector just came through 0% (2020), 0% (2021), 1.5% (2022), 2% (2023), and 3.6% (2024) maximum allowable rent increases (see exhibit below re: operating expense increases for our sector)	Affordability is a prominent theme in the feedback we've received todate.
1674	**Community engagement**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	Tenant engagement/education is an ongoing issue for landlords and property managers. There are no consequences for tenants who don't recycle or deliberately cross contaminate garbage with organics.	This appears aligned with proposed principle #1- Advocate for increased accountability from residents, businesses and governments to reduce waste
1675	**User-friendly waste management systems**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	Accessibility and convenience are essential for recycling however, many of the older purposebuilt rental buildings do not have adequate (or any) indoor space for solid waste and organic receptacles.	Noted
1676	**Sorting**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	Sorting requirements, if too complicated, will ultimately be ignored by tenants resulting in cross contamination or, as if often the case of organics, residents will simply throw them down the garburator, which is counter to our collective objectives.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1677	**Single-stream recycling**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	The notion of single stream recycling (adopted in AB, SK, ONT) should be considered for the purposes of reducing cost to building owners and eliminated the need for multiple receptacles and the space required to store them.	This appears aligned with proposed principle #7- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region.
1678	**Affordability of waste reduction practices**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	Mattress disposal for tenants is expensive. This situation (and cost) is further exacerbated by residents from neighbouring buildings (rental and strata) dumping their mattresses in our dumpster (more often simply beside our dumpster)	Noted. The province's planned introduction of an EPR program for mattresses is intended to help address issues like this.
1679	**Impact on wildlife**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	Rodents are increasingly a problem.	Noted
1680	**Quality of life**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	Smell, especially for organics discourages tenants from recycling especially in enclosed garbage storage facilities.	Noted
1681	**Waste Processing/Management**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	Underground garbage storage can and does damage membranes in parking garages.	Noted
1682	**Waste Processing/Management**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	End and beginning of the month are key times for tenants moving in and out and both generate significant additional garbage.	Noted
1683	**Multi-lingual support**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	Collateral material and signage in different languages would be helpful (I've included the link to the signage that Metro makes available to building owners. I trust this is the most current)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.

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1684	**Cost Management/Financial Sopport**	Email feedback	Landlord BC	24-Nov-23	Multi-family sector	LandlordBC Expense Analyze: We analyzed expense data from 38 purposebuilt rental buildings owned by the private sector in BC, ranging in size from 20-92 units and built between 1965 to 1981. Thirty-six of the buildings are wood-frame construction, and two are concrete. These buildings represent the majority of purposebuilt rental buildings in BC, and typically offer more affordable housing for British Columbians. From the period ended December 31, 2018 to December 31, 2022 expenses across these 38 buildings have increased an average of 38.2%. For this same period, the maximum annual allowable rent increase has increased an average of 2.52%! Minister, the last thing our sector can afford to absorb is a 2024 cap on rent increases below CPI. The business is quickly becoming unsustainable. For the period December 31, 2018 to December 31, 3022, average expense increases for this cohort of rental buildings are as follows: - Property taxes: +7.4% - Insurance: + 157.6% - Water & Sewer: +13.9% - Electricity: +6.5% (net of rebates) - Natural Gas: +70.4% - Waste Removal and Recycling: + 49.7% - Elevator Repair and Maintenance (not all buildings): + 114.4% - Business License: + 14% - Caretaker: + 10.9% - Repairs and Maintenance: + 50%	Affordability is a prominent theme in the feedback we've received todate.
1685	**Food waste**	Collaborative Engagement - Interview	Vancouver Food Runners	24-Nov-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should establish a commercial kitchen/food hub to process surplus food into mealsand provide job skills training around food waste prevention and cooking with surplus food	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1686	**Subsidies for Sustainable Practices**	Collaborative Engagement - Interview	Vancouver Food Runners	24-Nov-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should establish grants for businesses engaged in practices that advance sustainable industry practices and the circular economy and reduce food waste	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1687	**Educating people in the industry**	Collaborative Engagement - Interview	Vancouver Food Runners	24-Nov-23	NGO/non-profit and environmental stewardship groups	Metro Vancouver should support with developing a training or certification on food waste preventionand reduction for those in the food industry.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1688	**Policy reform in support of circular economy**	Collaborative Engagement - Interview	Vancouver Food Runners	24-Nov-23	NGO/non-profit and environmental stewardship groups	To me that's partly like, you know, looking at France, right? Like having that piece of legislation that is not deniable. This is something you need to do; you have to do this. I think that is the biggest piece that willchange so many things. Also, grants, so people like me will be able to do what we're trying to do withouthaving to become a charitable organization.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1689	**Educating people in the industry**	Collaborative Engagement - Interview	Vancouver Food Runners	24-Nov-23	NGO/non-profit and environmental stewardship groups	I actually think that they need to talk to the schools, the culinary schools. When I started working, the green bin was very much optional. My chef just didn't have any thought about the food waste. It was justlike, 'make sure the buffet is full" and all that, right? So, what I'm finding is that when I am going toVancouver Community College, when I'm teaching, I'm having to explain to them that 'no, you don't have,you know, the food liability issues'-- that is long gone.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1690	**Demolition and construction waste**	Interview	505 Junk	27-Nov-23	Waste industry	505Junk – Business model to remove waste from construction and property management waste. Only hauler in BC, USA that has measurement Canada certified scales in every truck so there is track diversion live when it is required. Diversion is built into the business model. Facilitating transfer of materials from construction to the waste facilities.	Noted
1691	**Incentives**	Interview	505 Junk	27-Nov-23	Waste industry	Incentives for recycling and waste reduction – In order to get people moving on something you have to make it worthwhile for them. There needs to be a value attached to it and then there needs to be education.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1692	**Circular economy**	Interview	505 Junk	27-Nov-23	Waste industry	In a circular economy – 505Junk will presell/donate materials (construction materials, furniture) before they can get to the waste facilities. However, without incentives people will not rebuy those items. It is necessary to make the materials affordable so that people will buy them. There needs to be a system or tool for that to happen. There is an expense when it comes down to a circular economy and without that financial benefit/incentive, there are limits to its success.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1693	**Engagement, education and behavior change**	Interview	505 Junk	27-Nov-23	Waste industry	Education and behavior change – Its not a communication problem. Its about the resources that people have access to in order to participate. There are many resources in place that are established and work well and they are very well marketed.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1694	**Production costs**	Interview	505 Junk	27-Nov-23	Waste industry	Product design and innovation - Many people in the construction industry are very aware of the end result when they are making decisions. It comes down to cost.	Affordability is a prominent theme in the feedback we've received todate.
1695	**Sharing resources and information**	Interview	505 Junk	27-Nov-23	Waste industry	Recycling Council of BC is the best resource possible; they have answers to every question and are accessible when needed.	Noted
1696	**10 Emerging Themes**	Interview	505 Junk	27-Nov-23	Waste industry	Metro Vancouver can facilitate on most of the items in this list. No suggested additions.	Thank you
1697	**Value of the environment**	Interview	505 Junk	27-Nov-23	Waste industry	Keep in mind of BC as a whole. We need to emphasize beautiful BC and if we want to improve what we have we need to drive the message home to take care of the environment.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis.
1698	**First Nation focus**	Interview	505 Junk	27-Nov-23	Waste industry	First nations focus to take care of what we have and improve it. Environmental stewardship is the only way forward.	This appears aligned with proposed principle #6 - Prioritize environmental stewardship by valuing and conserving materials and products.
1699	**Incentives for producers/businesses**	Interview	505 Junk	27-Nov-23	Waste industry	Improving how businesses are incentivising and reusing materials.	Accountability, innovation and collaboration are concepts built into the principles. Opportunities for improving incentives can be considered during the idea generation phase of the plan update.
1700	**Incentives**	Interview	505 Junk	27-Nov-23	Waste industry	Circular economy – Incentivising people to do this – triple bottom line effect.	Accountability, innovation and collaboration are concepts built into the principles. Opportunities for improving incentives can be considered during the idea generation phase of the plan update.

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No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
1701	**Accountability + Transparency**	Interview	505 Junk	27-Nov-23	Waste industry	Brokers – maintain accountability for reducing and reusing -They oversee every deal that happens from financing, acceptance to people moving into spaces. -CVRE needs their policies to change -The people that are managing the space need to set milestones that people must follow -Set mandates related to waste and implementing circular economy -Financial incentives	Accountability and stewardship are concepts built into the principles.
1702	**Regional standardization of services and practices**	Interview	505 Junk	27-Nov-23	Waste industry	Policies are so strong the impact has the potential to reach all of BC and beyond	Noted
1703	**Regulation and policy development**	Interview	505 Junk	27-Nov-23	Waste industry	QuadReal property group implemented a LEED process for their tenants and environmental policies -Donate, recycle and reuse material -Demolition – donate some material -Construction – Diversion tracking -Purchase reused material and furniture where possible.	Noted
1704	**Accountability**	Interview	505 Junk	27-Nov-23	Waste industry	Create an engagement process with Brokerage firms to hold them accountable to implementing the guiding principles approved by Metro Vancouver for their tenants.	Accountability and stewardship are concepts built into the principles.
1705	**Regional standardization of services and practices**	Interview	505 Junk	27-Nov-23	Waste industry	All people involved in the business level having the same message. – All private sector businesses and trades groups are aligned in their approach.	Consistency across the region to avoid confusion is included in the draft guiding principles.
1706	**Waste reduction standards**	Interview	505 Junk	27-Nov-23	Waste industry	Create a framework for businesses and trades to follow.	Consistency across the region to avoid confusion is included in the draft guiding principles.
1707	**Solid Waste Management Plan - logistics and implementation**	Interview	505 Junk	27-Nov-23	Waste industry	Move quickly to get this done even if its at 70%. Get this information out faster and revise as you go. It will be better to have something in place at ¾ complete than waiting a long time for it to be 100% complete. Start now even with an imperfect document – two steps forward once step backwards is still a step forward.	Noted
1708	**Extended Producer Responsibility (EPR)**	Interview	505 Junk	27-Nov-23	Waste industry	Thing will change and it will have to be amended down the road anyway, things evolve with time. Your guiding principles may change. Create a cyclical update every year to represent what's happening currently.	The current process involves updating the existing solid waste management plan approved by the province, and will undergo further updates in the future.
1709	**Extended Producer Responsibility (EPR)**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Extended producer responsibility	EPR is a policy approach that has contributed to the world class diversion rate in Metro Vancouver.
1710	**Need for a shift of responsibility from consumers to producers**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Targeted towards large scale companies, not individuals	Increased accountability from businesses is a concept built into the principles.
1711	**Producers Accountablility**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Accountability for large companies and their effects on the environment	Accountability is a concept built into the principles.
1712	**Behavioral change campaigns/ promoting responsible behaviors**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Advertisement and campaigns.	Campaigns are important features of Metro Vancouver's solid waste management programs.
1713	**Incentives**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Incentives	Opportunities for improving incentives can be considered during the idea generation phase of the plan update.
1714	**Circular economy**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Long term effects of it	Noted
1715	**Cost Management/Financial Sopport**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Money	Noted
1716	**Youth/Next generation focused education/engag ement**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	I think targeting certain demographics about the climate should be considered, such as how social media use contributes to overconsumption in youth, etc.	Noted for the idea generation phase of the plan update.
1717	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Realistic/Accessible processes of recycling	Accessiblility is a concept embedded in the principles.
1718	**Incentives**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	It captures it most, I just think incentives that are realistic and practical are quite important.	Opportunities for improving incentives can be considered during the idea generation phase of the plan update.
1719	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Accessible materials for homes (compost bags are expensive)	Accessiblility is a concept embedded in the principles.
1720	**Sustainable product design**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Easy recycling of products by design rather than forever plastics being shipped to the Philippines from our blue bins	Building confidence about what happens to our waste and recycling is a concept embedded in the principles.
1721	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	From a systemic approach: increase the rates of correct garbage disposal and recycling. Lots of areas out there recycling and garbage together.	Noted for the idea generation phase of the plan update.
1722	**Reduced plastic usage**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Reduce plastic bags	Noted for the idea generation phase of the plan update.
1723	**Allocating resources for education at various levels**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Composting information and education	Noted for the idea generation phase of the plan update.
1724	**Penalties**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Penalties for polluters or non-conformers to encourage proper disposal	Noted for the idea generation phase of the plan update.
1725	**Tarditional/indigenous knowledge and values**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	First Nations worldviews, targeting corporations	Noted for the idea generation phase of the plan update.
1726	**Climate justice**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Climate justice	Noted
1727	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Education about how recycling impacts climate change and other societal issues	Noted for the idea generation phase of the plan update.
1728	**Waste Generation**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	School lunch waste, how many students are purchasing single use items when they can have a reusable alternative	Waste reduction and prevention are incorporated in the draft guiding principles.

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1729	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Education	Noted for the idea generation phase of the plan update.
1730	**Awareness of environmental impact**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Education on waste and how it really impacts the earth and the environment	Noted for the idea generation phase of the plan update.
1731	**Waste Generation**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Waste in school and malls	Noted for the idea generation phase of the plan update.
1732	**Environmental impact**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Possible consequences	Noted
1733	**Protection of natural resources**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Preserve forest and stop oil and gas expansion	Noted
1734	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More education for general public about different types of garbage disposal	Noted for the idea generation phase of the plan update.
1735	**Collaboration with First Nation communities**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Indigenous land principles (education)	Stewardship is a concept included in the principles
1736	**Continuous engagement and communication**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Increasing communication between govt and citizens	Noted for the idea generation phase of the plan update.
1737	**Financial barriers**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Acknowledgement for those unable to do their part due to economical circumstances	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1738	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Allowing inexpensive recycled clothing like thrift clothing to stay inexpensive an allow people with less money to afford clothing and stop overconsumption in wealthier people.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1739	**GHG/Carbon emission reduction**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Implementation of bio architecture into the landscapes to help the emissions of C2O	Noted for the idea generation phase of the plan update.
1740	**Verifying Recycling Outcomes**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Showing to the public where the recycling goes and proving it actually is recycled to a full extent.	This appears aligned with proposed principle #2 - Build confidence about what happens to our waste and recycling, and how we measure waste reduction and recycling.
1741	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Affordable and practical are the most important	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully.
1742	**Environmental impact**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Waste and connection to climate change.	Taking action to reduce carbon footprint of materials used is a concept embedded in the principles.
1743	**Individual responsibility/impact**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Using eco friendly clothing more often than usual	Noted
1744	**Accessibility + Equity**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	The most important one is the accessibility and understanding of the process.	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully, and principle #2 - Build confidence about what happens to our waste and recycling.
1745	**Garbage/recycling pickup**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	The amount of times garbage is collected	Noted
1746	**Equity in information and education**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Accessibility to more knowledge about services that are already provided	This appears aligned with proposed principle #4 - Enable all users, regardless of their income, education, or life experience to participate fully, and principle #2 - Build confidence about what happens to our waste and recycling.
1747	**Need for a shift of responsibility from consumers to producers**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Shifting the blame from consumers to corporations	Increased accountability from businesses is a concept built into the principles.
1748	**Reduce/ban single-use plastic**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	I think convenience should be considered or not allowing single use plastics	Noted for the idea generation phase of the plan update.
1749	**Innovation and Technology in Waste Management**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Create ideas for keeping plastic as a recyclable product that one can use by themselves over a over	Reuse is a concept embedded in the principles.
1750	**Equity in information and education**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Making the webpage or introducing a system of videos for teaching immigrants how to use the recycling system in BC	Noted for the idea generation phase of the plan update.
1751	**Community, regional and global collaboration**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Seems to cover some good points. I'd just like if it was integrated more into society. Like you pay 25 cents when purchasing a recyclable bottle and then you get it back after dropping it off at a recycling station. Like in Germany.	This idea is captured in provincial extended producer responsibility policy.
1752	**Incentives**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Legislation incentives for officials to consider	Noted for the idea generation phase of the plan update.
1753	**Multi-lingual support**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Multilingual support for my neighbors.	Noted for the idea generation phase of the plan update.
1754	**Consumption habits/patterns**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Lower consumption	Noted
1755	**Climate change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Climate change	Concepts around reducing carbon footprint and environmental stewardship have been incorporated in the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1756	**Climate change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Climate Change impacts	Concepts around reducing carbon footprint and environmental stewardship have been incorporated in the draft vision and guiding principles. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1757	**Waste management through a climate lens**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Overall focus on environmental health	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1758	**Extended Producer Responsibility (EPR)**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Paired extended producer responsibility and incentive programs for businesses to change practices	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1759	**System change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Connection between circular economy and affordability/accessibility (talked with the representative a little bit about this)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1760	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	I think education and behaviour change is the most important	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1761	**Transparency in waste management processes**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Transparency on what happens to waste	This appears aligned with proposed principle #2- Build confidence about what happens to our waste and recycling, and how we measure waste reduction and recycling.
1762	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Minimize the cost	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1763	**Allocating resources for education at various levels**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Visits to schools to promote campaigns and share knowledge.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1764	**Local repair and reuse programs**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Community events such as the clothing swap by threading change	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1765	**Reduced plastic usage**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Not using plastics in grocery store for getting produce and fruit	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1766	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Educating the population about it.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1767	**Incentives**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More incentives to manage waste	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1768	**System efficiency**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Make it more efficient	Noted
1769	**Cost effictiveness in waste practices**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Break down how money can be saved on an individual level through waste management.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1770	**Landfills**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	I think a more effective and eco-friendly landfill should be in the future for Metro Vancouver	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1771	**Awareness of environmental impact**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Less trash on the streets in downtown	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1772	**Awareness of environmental impact**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More education in terms of what impacts not recycling can have on climate change and environment	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1773	**Solid Waste Management Plan - logistics and implementation**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	A solid waste management should be practical and realistic to incentivize citizens. It is very hard to persuade a majority with voluntary altruism.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1774	**Accountability**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Accountability is vital for success	Accountability is a concept built into the principles.
1775	**Engagement, education and behavior change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Education is important to inform the public	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1776	**Accessibility + Equity**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Accessible waste management	Accessiblility is a concept embedded in the principles.
1777	**Garbage/recycling pickup**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Garbage pickup	Noted
1778	**User-friendly waste management systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Accessibility and simplicity are important. Sometimes it's hard to know if something is recycling or garbage.	Accessiblility is a concept embedded in the principles.
1779	**General**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Love the ideas and your mission	Thank you
1780	**Managing waste locally**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Don't export garbage	Noted
1781	**Accountability**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Teamwork and accountability	Accountability and collaboration are concepts built into the principles.
1782	**Reduced plastic usage**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Reduce plastic bags at grocery stores	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1783	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Accessible and affordable	Accountability and affordability are concepts built into the principles.
1784	**Youth/Next generation focused education/engag ement**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	I think teaching younger students from elementary to young adults is a great system	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1785	**Limits on waste generation**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	We should think about what we buy and produce and limit things that are not necessary	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1786	**Accessibility + Equity**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Access for everybody, reducing personal waste, also targeting corporations in the lower mainland and their contributions	Accountability and accessibility are concepts built into the principles.
1787	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Recycling trucks that pick up large cardboard boxes and other such recyclables that dont fit	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1788	**Waste Reduction/Prevention**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	I personally don't think anything will help. take the plastic stress situation for example, they revoked it	Noted
1789	**Implement re-use systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	School cafeteria reusable dishes or compostable utensils	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1790	**Sorting**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Easy to use garbage sorting	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1791	**Incentives**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More incentives and more environmentally friendly!	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1792	**Incentives**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More incentives	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1793	**Incentives**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Incentives for waste sorting	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1794	**Waste Reduction/Prevention**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	The streets are clean.	Noted
1795	**Economic considerations**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More resources	Noted
1796	**Implement re-use systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More innovative ways of reuse	Fostering innovation is a concept build into the princples.
1797	**Allocating resources for education at various levels**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Education In schools and school programs to support teachers	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1798	**Convenience**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	I think convenience is the key	Accessibility and convenience are key concepts embedded in the principles.
1799	**Transparency in waste management processes**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	I would appreciate more transparency about where plastic goes after it's been recycled.	Building confidence about what happens to our waste and recycling is a concept embedded in the principles.
1800	**Access to Waste management Data**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Transparency about how much is actually recycled	Building confidence about what happens to our waste and recycling is a concept embedded in the principles.
1801	**User-friendly waste management systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Accessible and easy to navigate sustainability	Accessibility and convenience are key concepts embedded in the principles.
1802	**Reduced plastic usage**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Eliminate plastic waste	Noted
1803	**Youth/Next generation focused education/engag ement**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Early education about how to be more environmentally friendly in our garbage disposal	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1804	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Take more forms of recycled goods	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1805	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	A easier way to know what can be recycled such as labels on specific items	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1806	**#N/A**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Proper waste education for older generations	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1807	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More recycling bins in downtown	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1808	**Transparency**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Increased transparency with businesses (food primary establishments)	Accountability and building confidence about what happens to our waste and recycling are concepts embedded in the principles.
1809	**Transparency**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	It needs to be transparent, practical and affordable	Accountability and building confidence about what happens to our waste and recycling are concepts embedded in the principles.
1810	**Environmental Stewardship**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	How we are the stewards of the land and its systems. Our world can exist without us, we cannot exist without her.	Stewardship is a concept included in the principles
1811	**Public perceptions and attitudes**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Maybe they should be more concentrated on making different marketing more eco friendly	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1812	**Convenience**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Should be simple, intuitive, and incentivized	Accessibility and convenience are key concepts embedded in the principles.
1813	**Sorting**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More sorting trash cans near bus stops	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1814	**Financial incentives**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Rewards regarding better waste management can motivate people to manage bwttwr	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1815	**Garbage/recycling pickup**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Garbage pickup same day every week	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1816	**Reduced plastic usage**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Hopefully there will be a lot less litter on the grounds and less plastic used.	Noted
1817	**Reduce/ban single-use plastic**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	I think that creating less single use plastics and forcing people to buy their own reusable products.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1818	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More spaces for cans to be recycled on the streets.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1819	**Recyling facilities/depots**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Recycle bins and garbage bins should be raccoon proof like having locks on them	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1820	**System change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Have solid waste refined by engineering recycle plants that are as effective as possible for productive results	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1821	**Inclusivity in waste management**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Same as above, make it easier for immigrants if you're taking a lot of them- collaborate with universities and public agencies to inform and educate about these topics, rather than the people learning through receiving tickets	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1822	**Waste Recylcing Systems**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Make it like Germanys bottle recycling plan.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1823	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	More bins and garbage locations	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1824	**Sharing resources and information**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Information for allophones in my area.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1825	**Incentives**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Very simple and accessible with incentive	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1826	**Garbage/recycling pickup**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Consistent garbage delivery	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1827	**System change**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Tertiary systems	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1828	**Waste Processing/Management**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	A central waste management centres located throughout the city	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1829	**Access to disposal/recycling options**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	Having a central waste management area for the public	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1830	**Environmental Stewardship**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	It should hopefully be a positive experience for everyone evolved and for the environment	Noted
1831	**Recycle**	Collaborative Engagement - Survey	Mind Your Plastic	4-Dec-23	Not-for-Profit Sector	It should include more directions for how to appropriately recycle.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1832	**Research and Policy**	Collaborative Engagement - Workshop	Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Waste composition studies - these could be built out more to become more accessible to more commercial & residential spaces, possibly require studies to be done periodically so data can be compared year over year for example. Setting targets for the region and then providing evidence (by way of these studies) may encourage commercial and residential spaces to prioritize their actions around waste management. It may also create more jobs for Metro Van.	Metro Vancouver routinely conducts waste composition studies.
1833	**Accountability**	Collaborative Engagement - Workshop	Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Accountability and enforcement for both consumers and manufacturers; bylaws to enforce diversion efforts (e.g. contamination fees, no dumping)	Accountability is a concept built into the principles.
1834	**Subsidies for Sustainable Practices**	Collaborative Engagement - Workshop	Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Support (financial, recognition, promotion) to individuals, groups, and businesses already modeling the themes, especially support for small business.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1835	**Consumption habits/patterns**	Collaborative Engagement - Workshop	Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Overall, a reduction in the consumption lifestyle	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1836	**Right to repair**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Circular Economy - Enabling repair over replacing (purchasing new) is important for behaviour change.	Supporting a circular economy is captured in the draft guiding principles.
1837	**Regulations to reduce waste at the production stage**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Circular Economy - Must take precedence to influence any product innovation to make sure it causes net reduction in production.	Supporting a circular economy is captured in the draft guiding principles.
1838	**Promotion and awareness of re-use**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Circular Economy - Reuse should be the highest priority.	Supporting a circular economy is captured in the draft guiding principles.
1839	**Circular economy**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Circular Economy - Critical for prioritizing reduction. It must be the base / foundation for the other themes to be acted on properly.	Supporting a circular economy is captured in the draft guiding principles.
1840	**Circular economy**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Circular Economy - There is an existing knowledge base	Supporting a circular economy is captured in the draft guiding principles.
1841	**Durability/longevity of products**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Product Innovation - Can include making things more repairable and durable (might be the same as circular economy)	Innovative and collaborative solutions are incorporated in the draft guiding principles.
1842	**Product standards/regulations**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Product Innovation - The right to repair legislation is critical / has to accompany this, especially since a lot of what people purchase is technology.	Innovative is incorporated in the draft guiding principles.
1843	**Regulations to reduce waste at the production stage**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Product Innovation - Solves the problem from the source rather than dealing with the end of life.	Innovative is incorporated in the draft guiding principles.

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1844	**Accountability + Transparency**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency - It touches on so many of the other themes and can improve implementation of the other themes.	Accountability and building confidence about what happens to our waste and recycling are concepts embedded in the principles.
1845	**Transparency**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency - Having more systematic transparency around product footprint / design will help support businesses who are making a difference who are educating their customers on their own.	Accountability and building confidence about what happens to our waste and recycling are concepts embedded in the principles.
1846	**Transparency in waste management processes**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Accountability and transparency - Transparency in what gets recycled and where it goes is necessary because people at the waste depot, even if they're recycling, doubt where it's going, and there are people not making it to the depot who are probably discouraged by a lack of transparency.	Accountability and building confidence about what happens to our waste and recycling are concepts embedded in the principles.
1847	**Convenience**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Convenience and Consistency - There are some people who use the excuse of inconvenience for non-participation in diversion efforts; making it easier should improve recycling rates (e.g. for soft plastics)	Convenience is a concept embedded in the principles.
1848	**Environmental Stewardship**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Environmental Stewardship - Encompasses all the other themes.	Stewardship is a concept included in the principles
1849	**Climate Resilience**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Climate Resilience - The most serious problem facing humanity; catastrophic impacts if it is not addressed.	Creating a solid waste system that is resilient to climate change and future challenges is embedded in the principles
1850	**Incentives**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Incentives for waste reduction and recycling - An option for 'easy wins'	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1851	**Incentives**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Incentives for waste reduction and recycling- Being rewarded for good actions is scientifically proven to be a good lever, at least for short-term initiation of changed behaviour to create a community of practice / community norms.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1852	**Diversion**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Affordability and accessibility - Gut feeling that most people already can divert waste.	Affordability and accessibility are concepts embedded in the principles.
1853	**Affordability of waste reduction practices**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Affordability and accessibility - "If we can afford to consume the way we do, we can afford to cut back on consumption behaviours and shift."	Accountability is a concept embedded in the principles.
1854	**Consumption habits/patterns**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Affordability and accessibility - This sounds like improving convenience, but the consumer convenience preference is what's driving consumption – when does that stop? "We are too much of an Amazon society right now."	Accountability is a concept embedded in the principles.
1855	**Affordability of waste reduction practices**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Affordability and accessibility - In the past, waste disposal was very inexpensive, but still compared to the damage being done with waste it's still quite cheap – we don't need to make it cheaper.	Noted
1856	**Affordability of waste reduction practices**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Affordability and accessibility - It's just not as important as the other themes.	Noted
1857	**Metrics - evaluation and measurement**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Climate resilience - The metrics for assessing climate initiatives are too inexact and don't effectively connect to individual actions; it's hard for the public to measure.	Noted
1858	**Climate Resilience**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Climate resilience - There are already significant resources dedicated to a climate focus at an institutional and governmental level, from business to municipal to provincial and federal, and there are better topics of focus for solid waste management.	Noted
1859	**Climate Resilience**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Climate resilience - It's more removed from solid waste management than the other themes.	Noted
1860	**Climate Resilience**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Climate resilience - It's too broad.	Noted
1861	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Education and behaviour change - It's extremely difficult to change behaviour with education alone.	Noted
1862	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Education and behaviour change - Education can end up backfiring, e.g. people can be discouraged.	Noted
1863	**Engagement, education and behavior change**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Education and behaviour change - Its cost-to-benefit ratio is difficult to measure and likely less than other themes.	Noted
1864	**Environmental Stewardship**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Environmental stewardship - It's already implicit in the other themes; if we take care of those, this will be addressed.	Noted
1865	**Innovation in product design**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Product design and innovation - Focusing on product innovation risks continued encouragement of overproduction. Yes, let's innovate, but only in conjunction with reduction, reuse, and circular economy design principles.	Waste prevention is central in the draft vision and guiding principles.
1866	**Right to repair**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Product design and innovation - The right to repair is more important.	Noted.
1867	**Innovation in product design**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Product design and innovation - Let's reuse what we can with what we already have — obviously we'll have to innovate some, but not make that our top priority, use what we have and find different ways to put in the stream	Waste prevention is central in the draft vision and guiding principles.
1868	**Right to repair**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Legislation for the right to repair.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1869	**Supporting local businesses**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Small businesses really need support for their improved reuse / diversion; they're often innovating / doing the most, but they don't have enough exposure to survive as a company.	Noted

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1870	**Extended Producer Responsibility (EPR)**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Extended producer responsibility: if you produce it, you have to have a solution.	EPR programs and how they operate are under the purview of the provincial government. Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis.
1871	**Extended Producer Responsibility (EPR)**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	The idea of extended consumer responsibility; if you buy it, you have to be accountable – the more you consume, the more you pay.	Accountability is a a concept embedded in the principles.
1872	**Demolition and construction waste**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Priority on construction and demolition waste, including renovations, for both commercial and residential buildings.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1873	**Enforcement of regulations**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Enforcement e.g. contamination for commercial users, diversion requirements.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1874	**Diversion**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	The biggest diversion opportunity gap from a resident perspective is textile recycling.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1875	**Enforcement of regulations**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Commercial sector private contracting with haulers makes it easier for them to not comply with diversion requirements. Increased fines or enforcement could help.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1876	**Waste reduction standards**	Collaborative Engagement - Workshop	SPEC Master Recycler Vancouver	6-Dec-23	NGO/non-profit and environmental stewardship groups	Developing / improving building codes for improved recycling areas; create best practices that can be applied across new building designs.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development-- particularly Idea Generation and Options Analysis
1877	**Metro Vancouver - Vision and role & responsibilities**	Letter: Concerns Regarding the Functioning of the IAC Committee and the Solid Waste Management Plan Consultation Process	Waste Management Association of BC	11-Dec-23	Industry associations	We would like to acknowledge Metro Vancouver's efforts to promote sustainable practices. Along with this, it is important to acknowledge the crucial role the private Waste and Recycling Industry has played in servicing the Region, from providing hauling services of the various material streams, sorting, processing & brokering these materials, through private investments in waste management strategies and infrastructure.	On behalf of the Board Chair, we appreciate your thoughtful comments and your acknowledgement of the work that Metro Vancouver is doing to promote sustainable practices. We also truly appreciate the commitment and work of waste and recycling industry representatives on the Industry Advisory Committee as well as the Solid Waste Management Plan Public/Technical Advisory Committee. The work of these two committees is critical to the success of the solid waste management plan updateprocess. We understand that members of these committees are volunteering their time and energy, and we are grateful for their valuable contributions.
1878	**Diversion**	Letter: Concerns Regarding the Functioning of the IAC Committee and the Solid Waste Management Plan Consultation Process	Waste Management Association of BC	11-Dec-23	Industry associations	Metro Vancouver has been able to achieve the diversion results it has because of innovation, investment, and competition in the marketplace. Diversion rates will increase if and only if there is good public regulation that allows for continued competition in compliance with the Competition Bureau of Canada regulations, recommendations and statements allowing the required innovation, and investment to take place. For the past several years, the recycling market has stalled due to regulatory uncertainty from the extreme overreach.	The Metro Vancouver solid waste regulatory framework promotes waste reduction and recycling through mechanisms such as the generator levy to encourage waste to be delivered to regional solid waste facilities where disposal bans on recyclable materials apply. In fall 2023, Metro Vancouver engaged with interested parties on two initiatives aimed to help ensure compliance with the generator levy provisions of the Tipping Fee Bylaw: the smart waste program and draft updates to the Tipping Fee Bylaw. Work is progressing on these initiatives as engagement feedback is being reviewed and considered.
1879	**Collaboration across the industry**	Letter: Concerns Regarding the Functioning of the IAC Committee and the Solid Waste Management Plan Consultation Process	Waste Management Association of BC	11-Dec-23	Industry associations	A Dysfunctional Process: From our and other industry members perspective, the IAC has not been functioning as effectively as it should be, but more importantly, not how it was intended coming out of the Elevate process with the Province, Metro Vancouver and the WMABC. Also troubling we have not been truly following the terms of reference and seem to have gotten into a 'check-the- box' session of so-called consultation driven and manipulated by Metro Vancouver staff. Hence, we are not sure what we are working on. We run the risk of losing well educated & knowledgeable participants if change does not happen. A positive step forward has been the election of Lori Bryan, Executive Director of the WMABC, as cochair of the IAC. She has indicated her goal of steering the committee to its intended purpose and allow industry to have a meaningful impact on our waste & recycling system in our Region. We will need to allow for some time to see if the IAC can become the Industry Advisory Committee it was developed to be and achieve its goals.	Your letter raises concerns related to the function of the Industry Advisory Committee including your view that the committee is not following its Terms of Reference. Metro Vancouver is fully committed to ensuring the work and structure of the Industry Advisory Committee are consistent with its Terms of Reference. As mentioned in your letter, Lori Bryan, Executive Director of the WMABC, is the newly elected CoChair of the Industry Advisory Committee and has made clear her intention to work with members to facilitate opportunities for dialogue and input on relevant key topics and in the development of the updated solid waste management plan. Metro Vancouver staff and the Industry Advisory Committee CoChairs are working to address concerns raised by members about committee productivity and function. The January 9, 2024 Industry Advisory Committee meeting included small group discussions for members to collaborate on deciding on key topics for the 2024 Industry Advisory Committee work plan, as well as how those topics are best discussed. Metro Vancouver staff look forward to supporting the CoChairs in their roles and having a productive year with Industry Advisory Committee members.

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1880	**Transparency**	Letter: Concerns Regarding the Functioning of the IAC Committee and the Solid Waste Management Plan Consultation Process	Waste Management Association of BC	11-Dec-23	Industry associations	Industry Concerns: Recently, attention was diverted towards the update of the tip fee bylaw and the implementation of the Smart Waste Program. These two topics are riddled with many concerns from industry and other stakeholders, and while these initiatives hold significant consequences for industry, we are extremely concerned that Metro Vancouver staff did not engage the IAC on these topics well in advance of any rollout, trial, testing, or being reported to the Metro Vancouver Zero Waste Committee. It would also seem that the radical injections to the tip fee bylaws should form part of the SWMP update and not a standalone update. I will provide a more thorough letter on these items, at a later date.	Your letter also references the draft updates to the Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017, as amended (Tipping Fee Bylaw), and the smart waste program. Draft Tipping Fee Bylaw updates, including draft updates to records management requirements related to the generator levy, and the smart waste program were introduced for information at the July 13, 2023 Zero Waste Committee meeting. Generator levy provisions have been included in the Tipping Fee Bylaw since 2018, and the authority for Metro Vancouver to implement the generator levy pursuant to the Greater Vancouver Sewerage and Drainage District Act, S.B.C. 1956, c.59, has been in place since 1995. The updates to the generator levy provisions of the Tipping Fee Bylaw presented at the July 13, 2023, Zero Waste Committee in draft, as well as the smart waste program, are intended to ensure that all waste management companies operating within Metro Vancouver appropriately collect and remit the generator levy as required by the Tipping Fee Bylaw. In fall 2023, GVS&DD engaged with interested parties on draft updates to the Tipping Fee Bylaw and the smart waste program, including discussions at Industry Advisory Committee meetings. Engagement work was focused on mitigating potential concerns from the waste management community with respect to the draft Tipping Fee Bylaw updates and smart waste program.Considering feedback received through engagement, Metro Vancouver staff are working on a further revised draft of the Tipping Fee Bylaw updates and a draft smart waste program implementation plan, which will be made available for written comment. .Metro Vancouver recognizes that a comprehensive engagement program is integral to the development of an updated solid waste management plan. Metro Vancouver established the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) to act as an independent, thirdparty advisory group to Metro Vancouver staff and the Board on consultation and engagement for the plan update. Metro Vancouver staff work with the Engagement Panel to guide the development and implementation of a robust and inclusive ᵉYoᵂᵘᵣ ᶠleᵗᵗeᵗᵉᵣᐟaᵇᶦˢsᵒᵘʳᵉᵉᶠᵉᵉᵈᵇᵃᶜᵏ ʳᵉᶠᵉʳⁿᶜᵉˢᵗʰᵉᵈᵉᵇʳᵃᵐᵉᵈᵘᵖᵈᵃᵗᵉᵈˢᵗᵒᵐᵇᵉᵉᵗᵎᵍᵉᵃᵗᵉʳ ᶻᵛᵉᵃⁿᵒᶜᵒᵂᵘᵛᵉʳˢᵉᶜᵒᵂᵐᵉᵐᵇᵉʳᵃᵍᵉᵉᵃⁿᵈ	
1881	**Continuous engagement and communication**	Letter: Concerns Regarding the Functioning of the IAC Committee and the Solid Waste Management Plan Consultation Process	Waste Management Association of BC	11-Dec-23	Industry associations	we believe it is essential to allocate sufficient resources and attention to identifying innovative and cost effective solutions to waste reduction, recycling, composting, and waste diversion. By doing so, Metro Vancouver can set an example for other regions and contribute significantly to global sustainability goals in the most cost effective and transparent way possible. Moreover, the time and effort spent on solving bigger problems will have longlasting positive impacts on the environment and the well-being of our communities	Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017, as amended (Tipping Fee Bylaw), and the smart waste program. Draft Tipping Fee Bylaw updates, including draft updates to records management requirements related to the generator levy, and the smart waste program were introduced for information at the July 13, 2023 Zero Waste Committee meeting. Generator levy provisions have been included in the Tipping Fee Bylaw since 2018, and the authority for Metro Vancouver to implement the generator levy pursuant to the Greater Vancouver Sewerage and Drainage District Act, S.B.C. 1956, c.59, has been in place since 1995. The updates to the generator levy provisions of the Tipping Fee Bylaw presented at the July 13, 2023, Zero Waste Committee in draft, as well as the smart waste program, are intended to ensure that all waste management companies operating within Metro Vancouver appropriately collect and remit the generator levy as required by the Tipping Fee Bylaw. In fall 2023, GVS&DD engaged with interested parties on draft updates to the Tipping Fee Bylaw and the smart waste program, including discussions at Industry Advisory Committee meetings. Engagement work was focused on mitigating potential concerns from the waste management community with respect to the draft Tipping Fee Bylaw updates and smart waste program.Considering feedback received through engagement, Metro Vancouver staff are working on a further revised draft of the Tipping Fee Bylaw updates and a draft smart waste program implementation plan, which will be made available for written comment. .Metro Vancouver recognizes that a comprehensive engagement program is integral to the development of an updated solid waste management plan. Metro Vancouver established the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) to act as an independent, thirdparty advisory group to Metro Vancouver staff and the Board on consultation and engagement for the plan update. Metro Vancouver staff work with the Engagement Panel to guide the development and implementation of a robust and inclusive engagement process The Engagement Panel reports to the Zero Waste Committee on

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1882	**Continuous engagement and communication**	Letter: Concerns Regarding the Functioning of the IAC Committee and the Solid Waste Management Plan Consultation Process	Waste Management Association of BC	11-Dec-23	Industry associations	The consultation on the solid waste management plan should and must be the primary focus at this time. Engaging with stakeholders, including residents, businesses, and other relevant organizations, will enable us to gather diverse perspectives and develop comprehensive strategies to address the challenges we currently face.	Your letter also references the draft updates to the Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017, as amended (Tipping Fee Bylaw), and the smart waste program. Draft Tipping Fee Bylaw updates, including draft updates to records management requirements related to the generator levy, and the smart waste program were introduced for information at the July 13, 2023 Zero Waste Committee meeting. Generator levy provisions have been included in the Tipping Fee Bylaw since 2018, and the authority for Metro Vancouver to implement the generator levy pursuant to the Greater Vancouver Sewerage and Drainage District Act, S.B.C. 1956, c.59, has been in place since 1995. The updates to the generator levy provisions of the Tipping Fee Bylaw presented at the July 13, 2023, Zero Waste Committee in draft, as well as the smart waste program, are intended to ensure that all waste management companies operating within Metro Vancouver appropriately collect and remit the generator levy as required by the Tipping Fee Bylaw. In fall 2023, GVS&DD engaged with interested parties on draft updates to the Tipping Fee Bylaw and the smart waste program, including discussions at Industry Advisory Committee meetings. Engagement work was focused on mitigating potential concerns from the waste management community with respect to the draft Tipping Fee Bylaw updates and smart waste program.Considering feedback received through engagement, Metro Vancouver staff are working on a further revised draft of the Tipping Fee Bylaw updates and a draft smart waste program implementation plan, which will be made available for written comment. .Metro Vancouver recognizes that a comprehensive engagement program is integral to the development of an updated solid waste management plan. Metro Vancouver established the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) to act as an independent, thirdparty advisory group to Metro Vancouver staff and the Board on consultation and engagement for the plan update. Metro Vancouver staff work with the Engagement Panel to guide the development and implementation of a robust and inclusive
1883	**Enforcement of regulations**	Letter: Concerns Regarding the Functioning of the IAC Committee and the Solid Waste Management Plan Consultation Process	Waste Management Association of BC	11-Dec-23	Industry associations	As we move forward together to meet the Region's sustainability goals, we believe all interested parties need to be mindful of the Provincial Integrated Solid Waste Management Planning (ISWMP) process. The Provincial ISWMP represents, and provides guidelines for, interested parties ultimately endorsed and signed off by the Minister responsible for the Environment Management Act. Our Association and our members have observed over the past decade, efforts by Metro Vancouver administration to develop "workarounds" to avoid the premise behind the ISWMP process. The IAC 'check the-box' process is an example of this.	monopolistic practices and impacts on consumers, customers and services providers". These concerns were set out in a 2019 Competition Bureau open letter to the British Columbia Minister of Environment and Climate Change Strategy with respect to proposed Metro Vancouver regulatory measures being considered by the Minister (Bureau Letter). The Bureau Letter indicates that the views in the letter are "[s]eparate from its enforcement mandate" and "in the context of [the Bureau's] role as an advocate for the benefits of a competitive marketplace". The Bureau Letter further clarifies that the Bureau "makes representations, such as [the Bureau Letter], to public bodies that carry regulatory activities to shed light on competitionrelated issues that exist independently of any outcomes of a formal investigation under the enforcement provisions of the [Competition Act]". The Bureau Letter accordingly does not establish any compliance requirements or regulations related to the management of municipal solid waste in Metro Vancouver. Metro Vancouver's perspective is that the views expressed in the Bureau Letter are not consistent with public interest objectives related to environmental stewardship and waste reduction and recycling pursued by Metro Vancouver. Rather, the Bureau Letter focuses simply on the premise that the lowest cost of garbage disposal for some generators can be achieved through competition on disposal. We agree with your letter's conclusion that private sector innovation and investment are essential in advancing the region's sustainability goals. Metro Vancouver works to advance waste reduction, improve reuse and recycling systems, and manages the remaining waste in an environmentally responsible manner. Metro Vancouver's perspective is that the Metro Vancouver model of transparent, uniform and predictable garbage tipping fees, and consistent rules that encourage recycling through the disposal ban program are fundamental in advancing waste reduction and recycling in the region. This approach also supports competition among private waste management companies as all companies are subject to the same garbage disposal costs and rules. Another key aspect of the Metro Vancouver solid waste system is that the system is fully funded on a

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1884	**Regulation and policy development**	Letter: Concerns Regarding the Functioning of the IAC Committee and the Solid Waste Management Plan Consultation Process	Waste Management Association of BC	11-Dec-23	Industry associations	As an example of the importance of a Regional District's Integrated Plans, we highlight once again the Competition Bureau of Canada's concern relative to monopolistic practices and impacts on consumers, customers and service providers. The WMABC and other industry stakeholders, have entered what was believed to be a collaborative process meant to inform the updating of Metro Vancouver's ISWMP. What we see unfortunately are various policy and bylaw decisions that would routinely require open and transparent consultation led by administration prior to being presented to the Zero Waste Committee or the IAC, and ultimately the Province for approval. By prioritizing this consultation process and making it transparent, we can foster a sense of collective responsibility and ownership, leading to a more inclusive and effective waste management plan.	Your letter also references the draft updates to the Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017, as amended (Tipping Fee Bylaw), and the smart waste program. Draft Tipping Fee Bylaw updates, including draft updates to records management requirements related to the generator levy, and the smart waste program were introduced for information at the July 13, 2023 Zero Waste Committee meeting. Generator levy provisions have been included in the Tipping Fee Bylaw since 2018, and the authority for Metro Vancouver to implement the generator levy pursuant to the Greater Vancouver Sewerage and Drainage District Act, S.B.C. 1956, c.59, has been in place since 1995. The updates to the generator levy provisions of the Tipping Fee Bylaw presented at the July 13, 2023, Zero Waste Committee in draft, as well as the smart waste program, are intended to ensure that all waste management companies operating within Metro Vancouver appropriately collect and remit the generator levy as required by the Tipping Fee Bylaw. In fall 2023, GVS&DD engaged with interested parties on draft updates to the Tipping Fee Bylaw and the smart waste program, including discussions at Industry Advisory Committee meetings. Engagement work was focused on mitigating potential concerns from the waste management community with respect to the draft Tipping Fee Bylaw updates and smart waste program.Considering feedback received through engagement, Metro Vancouver staff are working on a further revised draft of the Tipping Fee Bylaw updates and a draft smart waste program implementation plan, which will be made available for written comment. .Metro Vancouver recognizes that a comprehensive engagement program is integral to the development of an updated solid waste management plan. Metro Vancouver established the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) to act as an independent, thirdparty advisory group to Metro Vancouver staff and the Board on consultation and engagement for the plan update. Metro Vancouver staff work with the Engagement Panel to guide the development and implementation of a robust and inclusive engagement process The Engagement Panel reports to the Zero Waste Committee on
1885	**Community, regional and global collaboration**	Letter: Concerns Regarding the Functioning of the IAC Committee and the Solid Waste Management Plan Consultation Process	Waste Management Association of BC	11-Dec-23	Industry associations	If we are to have true, open, and honest collaboration, at a minimum, the following should occur; Metro Vancouver states what their end goal is without a prescribed path to get there. Metro Vancouver and the Industry Advisory Committee (IAC) discuss all issues surrounding the goal including: - Ensure it is reasonable - Discuss amendments that may be put forward by IAC members - Discuss optional or additional goals that the IAC may have and determine if the goals need to be modified and if so, what modifications are required. - Discuss where we are today so we have a starting point. - Discuss ALL issues from ALL perspectives around the IAC table to determine what needs to be reset to our current position and agree on our starting point - In accordance with the Provincial Integrated Solid Waste Management Plan Planning Process, ALL aspects of the ISWRMP are part of the consultation process. - Discuss and determine how IAC sees the path forward to reach the goal without being prescriptive in how we get there.	Your letter provides suggestions for a path forward for the Industry Advisory Committee. Our hope is that the Industry Advisory Committee process will continue to evolve and help support our mutual interest in advancing zero waste and the circular economy. We continue to be open to continually improving how the Industry Advisory Committee functions and how it can contribute to a better overall solid waste system.
1886	**Product packaging**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Reduction, reuse, recyclability of ALL elements of packaging and product support (No packaging if possible, PLA blister packaging where required, QR codes vs. manuals, befriendly inks,etc)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1887	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	awareness of recycling education program	Education is one of several tools that can be used to achieve solid waste management plan goals.
1888	**Incentives for producers/businesses**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Incentive tiers / badges for companies that achieve higher levels of success.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1889	**Recycling infrastructure improvement**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	The list seems very thorough. Thought: investment in recycling and infrastructure to more adequately handle the volume of materials (I.e., bio plastics)	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1890	**Regulations to reduce waste at the production stage**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Creation of government programs beyond SR & ED Tax credits to ignite faster changes and developments in material innovation for the product creation industries.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1891	**Affordability of waste reduction practices**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	I find prices higher for recycled products. It should be cheaper!. Without customer investment, policy does not translate into results	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1892	**Waste Recylcing Systems**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Have Metro Vancouver and the province of BC stop throwing their non biodegradable, nor incinerable flame resistant workwear from going to landfill, when their is a closed loop made in Canada recycling program right in their own back yard and readily available.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1893	**Fabric, textiles and clothing**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	This is a smaller city but having fabric recycling spots in the city where people can give away old rags will be ideal.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1894	**Solid Waste Management Plan - logistics and implementation**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Realistic and practicality of implementing above said themes	Noted
1895	**Fabric, textiles and clothing**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Natural fibers over man-made= better quality for the consumer and circular industry once items are exhausted they can be composted.	Noted
1896	**Circular economy**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Things that biodegrade are a part of the circular economy	Noted
1897	**Consumption habits/patterns**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Think local. We need to change purchasing habits & we need to set an example.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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1898	**Local economy**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Buy local - food, clothes, products. This needs to happen in corporate purchasing and by our government and crown corps.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1899	**Educating people in the industry**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Supporting design for circularity through education to businesses.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1900	**Product materials**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Bring back single use plastics The paper is causing more garbage And it is gross.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1901	**Product materials**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	The fibres from the "paper straws" are extremely toxic to humans And not to mention the multiple cases of micro metals found in all of these single use paper products	Noted
1902	**Sustainable product design**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Produce longer lasting more versatile products. Reeducate consumers that overconsumption is destroying our climate	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1903	**Global collaboration/Alignment with global policies**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Alignment with Global/European policies and standards.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1904	**Allocating resources for education at various levels**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	A unified message on all fronts, K-12 schools , post secondary , institutions and business.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1905	**Solid Waste Management Plan - logistics and implementation**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Practicality vs idealism.	Noted
1906	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	1. Workshops/Community Fairs/Events around understanding waste management for common people	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1907	**Transparency in waste management processes**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	2. Visibility of what happens to different waste streams	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1908	**Consumption habits/patterns**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Consume less	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1909	**Fabric, textiles and clothing**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	All clothing and fabric needs to be recycled and turned into insulation or rugs or a durable fabric for car seat interiors etc.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1910	**Educating people about waste reduction/management**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Education is so important. Even a simple pamphlet circulated to each household would be great. Even with our current recycling program, I spend so much time standing in front of the recycling bin with a miscellaneous piece of plastic in my hand wondering if it can be recycled or is garbage.	Education is one of several tools that can be used to achieve solid waste management plan goals.
1911	**Local repair and reuse programs**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Hosting repair workshops	Metro Vancouver currently supports member municipalities in their hosting of repair workshops. Waste prevention, including through repair, is a core concept in the principles.
1912	**Holistic/Systemic approach to waste management**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Look at the transfer network of goods and focus on the common nodes not the end points.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1913	**Engagement, education and behavior change**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Directly changing behaviors of producers and consumers seems easy but is difficult and remote from the solution.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1914	**Reusable packaging**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	If you require retailers to take back packaging (like was done in Germany years ago), a lot less packaging use will quickly result.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1915	**Fabric, textiles and clothing**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	I am in the clothing industry and I have not found many places to recycle fabric scraps	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1916	**Allocating resources for education at various levels**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Mandate the Recycling and Global warming program in school Curriculum and recommended credits to take for the Post Secondary Education!	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1917	**Promotion and awareness of re-use**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Higher solid waste diversion rates need to be coupled with local recycling into new usable materials so that those materials are not diverted into other regions /countries. Circular economies are more environmentally responsible if they exist within a contained geographic region.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1918	**Consumption habits/patterns**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	More initiatives around tackling overconsumption at all levels of the industry.	Waste prevention is central in the draft vision and guiding principles.
1919	**Research and Policy**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	More research and developement on smart materials and skill-sharing for salvage & repair/reuse programs.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1920	**Verifying Recycling Outcomes**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Well, currently it is hard to believe that recycling is actually happening. Is there proof? Do we know the efforts we are putting in make any difference whatsoever? It kinda feels like it isn't happening so there is a why bother attitude.	Building confidence about what happens to our waste and recycling is a concept embedded in the principles.
1921	**Policies for recycling facilities and landfills**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	From the industrial workwear standpoint, we would like to see 3 things with regards to disposal of flame resistant aramid workwear garments and fabric scraps...1) Metro Van etc to stop throwing their non biodegradable textile waste into landfill, 2) Build recycling points into the public tender bidding process, as the closed loop system for this waste stream is available to all manufacturers supplying you. 3) Use your Metro Van big stick and tell industries to stop putting this type of waste into landfill.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1922	**10 Emerging Themes**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	These all feel very important so hard to prioritize or rank some lower	Noted
1923	**System change**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	A more extensive garbage collection where the waste produced gets thrown back into the production of manufacturing.	The concept of a circular economy is embedded in the principles

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1924	**Incentives for consumers**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Consumers need to be incentivized by retailers to upcycle, recycle, and buy. Incentives need to hit the pocketbook; if you don't need the incentive, then opt to pay it forward as an inkind donation.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1925	**Youth/Next generation focused education/engag ement**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2024	Public	Education in the schools. Children influence their care providers and peers. Get the schools more involved.	Education is one of several tools that can be used to achieve solid waste management plan goals.
1926	**Innovation and Technology in Waste Management**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	We love seeing what other creative recycling programs are doing. Specifically, Raven Recycle in Whitehorse. As glass was not recyclable in the Yukon, they recently purchased a specific type of kiln and partnered with the local glassblowing community. They have an artist residency programs that gives artists the ability to pull any materials they want from the depot. Generally speaking, ways to involve the community in different ways, and to engage artists inusing found/recycled/sustainable materials.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1927	**Reduced plastic usage**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Get plastic out of our lives! Specifically in clothing, single use food containers and wrap.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1928	**Fabric, textiles and clothing**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Grants or support for new businesses that can help with textile waste recycling. There currently is no infrastructure.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1929	**Providing Information on Product Materials**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Digital Product Passports for all products and all supply chains. Full transparency, shared accountability and actual extended product responsibility that minimizes government / taxpayer waste management services.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1930	**Need for a shift of responsibility from consumers to producers**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2024	Public	Shift the burden back to private profits.	Accountability is a core concept embedded in the principles
1931	**Reduce, Reuse, and Recycle (3Rs)**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Linking reuse, repair and recycling groups all together	Noted
1932	**Recyling options**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	The ability to recoup some of the costs associated with recycling. Clearer, more easier to access guidance around recycling of non-standard items (ie. Paper,plastic etc.)	Education is one of several tools that can be used to achieve solid waste management plan goals.
1933	**Transparency in waste management processes**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Transparency on the use of waste, share lifecycle story, what is hard, what iseasy. Progressive programs that support business that will not have theresources to change all at once.	Building confidence about what happens to our waste and recycling is a concept embedded in the principles.
1934	**Fabric, textiles and clothing**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	I just threw out a massive bag of textiles, they where no longer wearable, and I had no where to recycle them. There are many options that can be extended with the use of recycled clothing and fabrics	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1935	**Reduced plastic usage**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	I think moving away from plastic packaging is essential to our future. I alsobelieve that having consistent and transparent processes for managingcompostable packaging is a must across Canada.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1936	**Fabric, textiles and clothing**	Collaborative Engagement - Survey	BC Apparel & Gear Association	November- December 2023	Public	Having regional drop centres for textile waste	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1937	**Waste Reduction/Prevention**	Independent Consultation and Engagement Panel - Stakeholder Presentations	TreeCycle Canada	1-Dec-23	Industry associations	Waste reduction strategies - Waste hierarchy – we don't want to skip steps in the hierarchy - Highest and best use - Closed loop systems - Materials as resources - Source separation - Amplify circular economy	Noted
1938	**Source reduction**	Independent Consultation and Engagement Panel - Stakeholder Presentations	TreeCycle Canada	1-Dec-23	Industry associations	Treecycle is trying to showcase going to the source of the waste to reduce rather than dealing with the end product. Diverting waste at the source is imperative.	Noted
1939	**Demolition and construction waste**	Independent Consultation and Engagement Panel - Stakeholder Presentations	TreeCycle Canada	1-Dec-23	Industry associations	Home deconstruction model: - District of North Vancouver requirements – must salvage 3.5 kg of reclaimed lumber per square foot of the finished floor space during demolition. - This is a relatively easy model that we can replicate - Maybe not enforced, but encourage contractors and developers with incentives	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1940	**Source reduction**	Independent Consultation and Engagement Panel - Stakeholder Presentations	TreeCycle Canada	1-Dec-23	Industry associations	90% of trees that are removed (due to construction/development or urban forest management) are used or given away to be used as firewood - Should stop this practice and stop waste at the source - Incentivize solutions that divert waste via regulatory reform - If we could encourage municipalities to create tree removal salvage bylaw amendments they could potentially be applied to metal recovery, soil recovery, etc.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1941	**Collaboration across the industry**	Independent Consultation and Engagement Panel - Stakeholder Presentations	TreeCycle Canada	1-Dec-23	Industry associations	In response to "What's your perspective for the infrastructure able to handle this type of waste management?": Some of the solution would be increasing the opportunities and collaborations – we need opportunities for nonprofits and other smaller organizations to get their foot in the door to innovate	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1942	**Wood**	Independent Consultation and Engagement Panel - Stakeholder Presentations	TreeCycle Canada	1-Dec-23	Industry associations	In response to "What would you do in the Stanley Park example, where 27% of trees have been identified as needing to be removed?": Involved a similar project previously: 300 trees removed through Lynn Headwaters Regional Park that was a partnership between Metro Vancouver and a forestry company. We do try and offer cost effective solutions.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1943	**Collaboration with First Nation communities**	Independent Consultation and Engagement Panel - Stakeholder Presentations	TreeCycle Canada	1-Dec-23	Industry associations	In response to "Have you tried to reach out to local First Nations for partnership?": Yes, although we haven't established anything yet we have had incidental partnerships with providing some Nations with wood for traditional uses (smokehouses).	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1944	**Waste-to-energy**	Independent Consultation and Engagement Panel - Stakeholder Presentations	TreeCycle Canada	1-Dec-23	Industry associations	In response to "Impression that you had a sense that Metro Vancouver is moving towards wasteto- energy too quickly. What does that mean?": I spoke with a National Zero Waste Council member who told me that most of the wood is being burned instead of being reused	Noted

Solid Waste Management Plan Vision and Guiding Principles - Feedback Log

No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
1945	**Equity in information and education**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Binners' Project	1-Dec-23	NGO/non-profit and environmental stewardship groups	Thank you for the opportunity to present in person – this is so important for accessibility and relevant to our community of Binners who may not have access to tech needed for virtual meetings.	You're welcome. All feedback is being considered and is appreciated.
1946		Independent Consultation and Engagement Panel - Stakeholder Presentations	Binners' Project	1-Dec-23	NGO/non-profit and environmental stewardship groups	Binners are waste system experts – lived experience from sorting through our waste on a daily basis. No reward for this work except the deposit monies and potentially the small rewards that come from binning (clothing or items that can be resold)	The role of binners is considered integral to the overall waste management system.
1947	**Community engagement**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Binners' Project	1-Dec-23	NGO/non-profit and environmental stewardship groups	Collaborative engagement: Binners Project conducted surveys with their community at the Coffee Cup Revolution event, providing opportunities to interact with Binners and ask their opinion – this was beneficial for the community as they often feel like they are not heard or no one wants to hear their opinion. Inperson engagement is encouraged to get more people to participate.	Noted
1948	**Clarity on terms and definitions**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Binners' Project	1-Dec-23	NGO/non-profit and environmental stewardship groups	Engagement questionnaire feedback: The language was not accessible for some people in the Binners community - Accessibility, circular economy, climate (terms from the survey) – these terms required definitions and additional explanation to most of the respondents	Noted
1949	**Community engagement**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Binners' Project	1-Dec-23	NGO/non-profit and environmental stewardship groups	We also organized consultations and had 33 people show up for indepth consultations	Noted
1950	**Accessibility + Equity**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Binners' Project	1-Dec-23	NGO/non-profit and environmental stewardship groups	People who are providing their expertise should be paid for their time and knowledge	Noted
1951	**Community engagement**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Binners' Project	1-Dec-23	NGO/non-profit and environmental stewardship groups	In response to an engagement panel member's question "so great to hear about your experience on the ground. Can you please share some of the feedback that you received or suggestions you have about other ways to connect with this and other communities?": Yes, one of the things we were challenged with was the time constraint – specifically the RFI (for Collaborative Engagement) and how we could construct a fairly robust engagement in the limited time, and how to connect with Binners that we aren't engaged with on a regular basis or already members of our organization. One the things that we found useful in the past for advertising opportunities is putting up posters, but we weren't able to do that this time with the limited time available. We ended up recruiting through engagement at the Coffee Cup Revolution event and that is where we found members to attend the consultation.	Noted
1952	**Demolition and construction waste**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	More than 50% of total emissions are produced by the construction of new buildings and homes, before the building is even occupied	Noted
1953	**Waste Reduction/Prevention**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	Home relocation is a way to reduce waste and provide housing for coastal communities. 25% of homes will be demolished by 2030 in Metro Vancouver	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1954	**Waste hierarchy**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	Why is our collaborative strategy currently focusing on the bottom of the waste hierarchy (demolition)?	Metro Vancouver is engaging on a broad range of principles for an updated solid waste management plan, covering the full hierarchy.
1955	**Zero Waste**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	How do we stop creating waste?	Waste prevention is central in the draft vision and guiding principles.
1956	**Waste Reduction/Prevention**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	The highest and best use of wood would require designing buildings to last as long as possible and for reuse, then relocation, deconstruction and demolition	Waste prevention and reduction are central in the draft vision and guiding principles.
1957	**Zero Waste**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	Our priorities in the previous solid waste management plan was what do we do with this waste- new plan should be how can we stop creating waste.	Waste prevention is central in the draft vision and guiding principles.
1958	**Re-use**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	Build less by maximizing the use of existing assets, design for long lasting and reusable buildings	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1959	**Waste reduction standards**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	Responsible removal assessments would require applicant to assess the options for the home prior to permitting from municipalities for demolition	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1960	**Waste reduction standards**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	A green permit solution that provides permitting for all homes to be moved and create a density bonus incentive	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1961	**Clarity on terms and definitions**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	Suggestion that simplifying language used during engagement will help get C&D industry more engaged, need further thought on how to engage that community	Noted
1962	**Educating people in the industry**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	In response to an Engagement Panel member's comment "there will be a need for a whole education program to deal with this as a future prospect. To determine the appropriate approach for any program we will need to know what the options are.": Yes, our early collaborations have suggested that home construction and development companies would be able to choose their own contractors to assess the homes. For permitting processes there is not a huge issue there – maybe a bit of issue with bylaws – but mostly the knowledge is common within permitting.	Noted
1963	**Waste Reduction/Prevention**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	In response tp IAC Co-Chair's queston " What do you see from a regulatory perspective that might be needed to see more reuse of homes?": Participant Response: -Leverage cost savings -Expediting early demolition/deconstruction permits -Expediting permits when there are waste reduction strategies in place -Incentives / Significant savings -Support and increase the market demand for local deconstructed wood	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

Solid Waste Management Plan Vision and Guiding Principles - Feedback Log

No.	Theme/Categroy	Source/Material	Organization/Group	Date	Sectors / Audience	Comment/Question	Metro Vancouver Response
1964	**Re-use**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Nickel Bros	1-Dec-23	Industry associations	In response to Zero Waste Committee liaison's question "Can nonresidential buildings be relocated? Or is this just single family homes?": Yes, we have moved office buildings and apartment buildings. There is a need for health buildings, apartments, and business buildings in Indigenous communities. Some of these buildings can be repurposed in those communities or built into additions.	Noted
1965	**Clarity on terms and definitions**	Independent Consultation and Engagement Panel - Stakeholder Presentations	HSR Zero Waste	1-Dec-23	Industry associations	Definition for zero waste is important to consider. Words matter – definitions need to be consistent and universally held. By calling something it isn't then it gets confusing – this leads to the word "recycling". EU has a different definition – any recovery operations into which resources are recovered into other purposes – Does not include anything recycled into fuel or other energy.	Noted
1966	**Global collaboration/Alignment with global policies**	Independent Consultation and Engagement Panel - Stakeholder Presentations	HSR Zero Waste	1-Dec-23	Industry associations	Metro Vancouver counts some materials that are used for fuel as 'recycled materials'. By using the term "Recycling" without using the term that is defined globally we are drawing resources away from groups that are working towards the internationally understood terms and policies.	Noted
1967	**Global collaboration/Alignment with global policies**	Independent Consultation and Engagement Panel - Stakeholder Presentations	HSR Zero Waste	1-Dec-23	Industry associations	We would like to see internationally recognized classifications of waste disposal implemented in Metro Vancouver and adopted in the SWMP update	Noted
1968	**Collaboration across the industry**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Waste Management Association of BC	1-Dec-23	Industry associations	Speaking as a member of the Public/Technical Advisory Committee and Industry Advisory Committee – there has been frustration about the lack of progress. We would like to see the committees being put to better use (i.e., leveraging the expertise of members, receiving fewer reports for information, more opportunity for collaboration). The engagement opportunities we have been presented in the past have been challenging and have felt like a "check the box" exercise with limited opportunity for collaboration.	Noted
1969	**Collaboration across the industry**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Waste Management Association of BC	1-Dec-23	Industry associations	In response to Chair of Engagement Panel's question "You have referenced the committees and that you think they could be put to better use. Within the lifecycle of a group (forming, storming, norming, and performing) – where do you think the committees are at right now?": Participant Response: -The Public/Technical Advisory Committees seems to be mainly receiving information and the members are feeling like they would rather be leveraged for their expertise – discussion of the issues and solutions. -Set targets and allow industry to suggest ways to achieve those. -If workable alternative suggestions or solutions are provided by industry, they must be truly considered by Metro Vancouver	Noted
1970	**Waste hierarchy**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Zero Waste BC	1-Dec-23	Industry associations	Advocate for moving up the waste hierarchy	Waste prevention is central in the draft vision and guiding principles.
1971	**Waste Reduction/Prevention**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Zero Waste BC	1-Dec-23	Industry associations	What's working? Generation per capita has gone down	Noted
1972	**GHG/Carbon emission reduction**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Zero Waste BC	1-Dec-23	Industry associations	GHGs have been declining with less organics in the landfills and but it's gone up at the Wasteto- Energy Facility	Climate action is a concept embedded in the guiding principles for the plan update.
1973		Independent Consultation and Engagement Panel - Stakeholder Presentations	Zero Waste BC	1-Dec-23	Industry associations	Life expectancy for an incinerator is 30 years and ours is 35 years old	Noted
1974	**Waste-to-energy**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Zero Waste BC	1-Dec-23	Industry associations	Testing in Europe has shown higher pollution amounts than expected in relation to the use of waste to energy facilities and incineration	Continuous monitoring data for a number of parameters for the Waste-to-Energy Facility is available on the Metro Vancouver website. Stack test data is also available. The facility continues to meet regulatory requirements for air quality monitoring. Dioxins and furan emission levels are well below regulatory limits.
1975	**Waste Reduction/Prevention**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Zero Waste BC	1-Dec-23	Industry associations	Need to reduce waste as much as possible, and use managed landfills for the remaining waste	Waste prevention is central in the draft vision and guiding principles.
1976	**Global collaboration/Alignment with global policies**	Independent Consultation and Engagement Panel - Stakeholder Presentations	Zero Waste BC	1-Dec-23	Industry associations	Use internationally accepted definitions for zero waste and waste hierarchy	Noted
1977	**Food waste**	Independent Consultation and Engagement Panel - Stakeholder Presentations	BetterTable.ca	1-Dec-23	Industry associations	Food is a huge opportunity in waste reduction. Goal – reduce food waste by 50%.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1978	**Food waste**	Independent Consultation and Engagement Panel - Stakeholder Presentations	BetterTable.ca	1-Dec-23	Industry associations	Regional consumption – think about the carbon footprint of the food we're buying. When considering total GHGs, 20% is related to food.	Noted
1979	**Penalties**	Independent Consultation and Engagement Panel - Stakeholder Presentations	BetterTable.ca	1-Dec-23	Industry associations	Participant Recommendation: Fines for having organics in waste going to landfill – this would be connected to business licensing.	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis
1980	**Reduce/ban single-use plastic**	Independent Consultation and Engagement Panel - Stakeholder Presentations	BetterTable.ca	1-Dec-23	Industry associations	Participant Recommendation: Complete ban on compostable plastic products	Specific ideas on actions, strategies, or policies will be considered in future phases of plan development--particularly Idea Generation and Options Analysis

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

To: Zero Waste Committee

From: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

Date: June 24, 2025 Meeting Date: July 3, 2025

Subject: **Solid Waste Management Plan Update – Idea Generation Engagement Summary**

RECOMMENDATION
That the GVS&DD Board receive for information the report dated June 24, 2025, titled "Solid Waste Management Plan Update – Idea Generation Engagement Summary".

EXECUTIVE SUMMARY
Metro Vancouver is a North American leader in waste reduction and recycling, having achieved a 65% recycling rate – roughly twice the Canadian average. Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan and identifying opportunities to further advance waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy. The plan update is supported by a robust and inclusive engagement process.

In 2024, Metro Vancouver completed the idea generation phase of engagement, contributing to the development of potential strategies and actions, as well as draft goals and a draft waste hierarchy. An engagement summary report (Reference 1) describes key potential strategies and actions identified through engagement such as improving consistency and compliance in multi-family buildings; expanding infrastructure for repair and reuse; increasing accessible and multilingual communications; and using financial and regulatory mechanisms to encourage waste reduction and recycling.

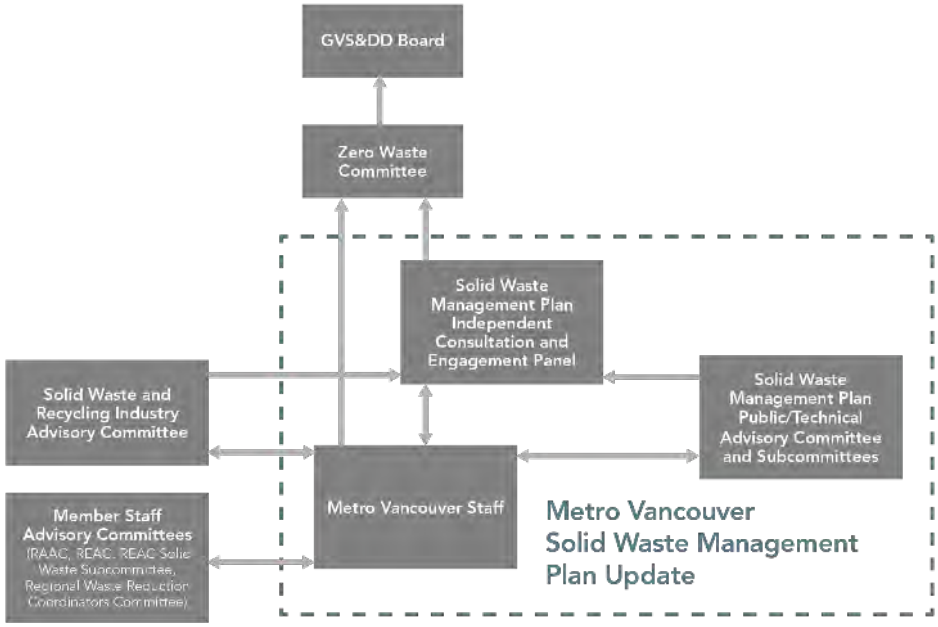
The ideas gathered through engagement are being compiled and considered using a set of criteria, resulting in a draft set of strategies and actions for further refinement through the next phase of engagement: options analysis.

PURPOSE
The purpose of this report is to provide the Zero Waste committee and GVS&DD Board with information on engagement feedback from the idea generation phase in 2024, related to updating the regional solid waste management plan.

BACKGROUND

In November of 2019 the GVS&DD Board (Board) authorized initiating an update of the regional solid waste management plan. Subsequently, a Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) was formed to provide third-party expert advice on the development of a comprehensive and inclusive engagement process. Pre-engagement was completed in 2021 to receive feedback on how audiences prefer to be involved moving forward, and the Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee were formed in 2022.

The following graphic depicts the various committees involved in providing input as the solid waste management plan is updated.



Engagement on vision and guiding principles took place in 2023, and in June 2024 the GVS&DD Board approved the resulting vision statement and guiding principles for an updated solid waste management plan, listed below. The idea generation phase launched shortly after that.

Vision: *A thriving region where nothing is wasted and resources are valued.*

Guiding Principles:

1. *A solid waste and recycling system that is affordable, convenient, and consistent across the region*
2. *A solid waste system that is resilient to climate change and future challenges*
3. *Accountability from residents, businesses and governments to prevent waste*
4. *Environmental stewardship and climate action*
5. *Inclusive solid waste services and programs*
6. *Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation*
7. *Transparency about what happens to garbage and recycling*

The following timeline shows the multiple engagement phases of the solid waste management plan update process.



IDEA GENERATION ENGAGEMENT

During the idea generation phase in 2024, Metro Vancouver sought to hear from interested parties about potential actions and strategies that could be included in an updated solid waste management plan. These ideas will be evaluated in the subsequent phase, options analysis, by applying a set of criteria and conducting engagement on the draft strategies and actions.

Idea generation engagement activities were designed and carried out to reflect Metro Vancouver's commitment to delivering a robust and inclusive engagement process and to ensure voices from impacted residents and businesses in Metro Vancouver are considered. The engagement approach was also informed by guidance from an independent panel of engagement experts.

Feedback

Metro Vancouver heard from a wide range of audiences including First Nations, member jurisdictions, neighbouring regional districts, hospitality and food retail sectors, health authorities, not-for-profit organizations, and the public. Feedback from each meeting, workshop, or conversation was recorded and compiled in a feedback log consisting of nearly 3,000 discrete lines of data.

The feedback was analyzed and organized into 13 categories. The engagement summary report (Reference 1) provides detail about the types of ideas falling under these categories, and Metro Vancouver's response. Many of the comments were already incorporated in the vision and guiding principles for the draft plan, other comments helped to inform draft goals and a draft waste hierarchy for an updated plan, and other comments were identified as potential strategies and actions to consider as part of the options analysis phase. The feedback log (Reference 2) provides a full record of engagement feedback.

Feedback that represented ideas for strategies and actions were identified; that data has been consolidated, and is undergoing further evaluation using a set of criteria, developed based on the Board Strategic Plan, the vision and guiding principles, and engagement feedback. The resulting short list of strategies and actions, along with the full list of ideas from idea generation, will be shared publicly during the options analysis phase of engagement.

Below is a snapshot of the categories of feedback, listed alphabetically:

- **Accessibility and inclusivity** to achieve equity in waste systems by addressing barriers users may experience.
- **Accountability and transparency** for residents to understand what happens to their waste and recycling, including providing detailed data and clearer definitions.
- **Affordability, convenience, and consistency** including better support for multi-family buildings, consistent services across the region, and simplified infrastructure.
- Shifting towards a **circular economy**, including promoting circular product and packaging design, and expanding infrastructure and programs for repair and reuse.
- **Collaboration** through stronger partnerships across jurisdictions and sectors to share knowledge and drive systems change.
- **Education, engagement, and awareness** by using clear, accessible, and multilingual communications to increase public understanding and participation in waste reduction.
- **Environmental stewardship and climate action**, linking waste reduction to greenhouse gas emission reduction and sustainable resource management.
- **Infrastructure and capacity**, including suggestion for decentralized systems and expanding capacity to accommodate long-term needs.
- **Innovation and technology**, including ideas on using artificial intelligence and smart tools to improve sorting, reduce contamination, and enhance user experience.
- **Markets and economy**, including the need for stable recycling markets, ideas on tax incentives and rewards to promote recycling, and stronger engagement with businesses to scale circular solutions.
- Ideas on consistent **policy and regulation** across the region included expansion of extended producer responsibility programs, penalties for excess packaging, mandated recycling, and regulations on construction waste.
- Ideas for increasing participation and reducing contamination in **recycling and composting** programs included improved labelling, education, incentives, and regulation.
- **Waste prevention** was a top priority, with excess packaging, single-use items, and food waste being prominent topics discussed.

Engagement Process

In 2024, Metro Vancouver engaged with local First Nations and member jurisdictions, adjacent regional districts, advisory committees, and the public to generate a set of potential actions and strategies for inclusion in the updated plan. These ideas will be evaluated in the upcoming phase: options analysis.

The engagement process was guided by a set of seven issue/opportunity discussion questions which were developed based on a review of the existing solid waste management plan, previous engagement feedback, and solid waste management statistics. These discussion questions served as a framework during idea generation engagement and were discussed by multiple audiences including member jurisdiction staff, adjacent regional districts, advisory committees, and the public. Some groups addressed one or two topics that were most relevant to their community or industry, while other groups addressed several or all of the topics:

What actions can build on our success to:

- *Rethink and prevent waste in the first place?*
- *Enhance accountability for eliminating waste?*
- *Leverage knowledge and expertise through collaboration?*
- *Increase participation and reduce contamination in organics and recycling programs?*
- *Promote confidence in recycling systems?*
- *Help us expand inclusive programs and services?*
- *Plan for future infrastructure and systems for waste management across the region?*

Metro Vancouver's overall approach to the idea generation phase was to meet audiences where they were. This meant providing accessible online engagement options, attending community events where people were already gathered, and working with not-for-profit organizations that had long-standing, established relationships with their membership or networks. In addition, Metro Vancouver had a dedicated engagement web page (Reference 3) with an online questionnaire that was open to the public.

First Nations, Member Jurisdictions, Neighbouring Regional Districts

Metro Vancouver began Idea Generation engagement by sending letters to First Nations, member jurisdiction mayors and councils, and neighbouring regional district boards (Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District) to describe this phase and invite participation.

Metro Vancouver received input from the Regional Engineers Advisory Committee, Regional Engineers Advisory Committee Solid Waste Sub-Committee, and the Regional Waste Reduction Coordinators' Committee through the Metro Vancouver Conference Day event, a workshop, and regular committee meetings. Metro Vancouver received feedback from neighbouring regional district staff through a virtual meeting and presented to the FVRD Board.

In July 2024, four local First Nations attended a joint meeting to discuss potential strategies, actions, and priority goals for the updated solid waste management plan. Meeting participants included representatives from the following local First Nations:

- q̓ʷɑ:n̓ƛ̓əṅ (Kwantlen)
- kʷikʷəƛ̓əm (Kwikwetlem)
- Sḵwx̱wú7mesh Úxwumixw (Squamish)
- Semiahmoo

Feedback received at the July 2024 meeting included questions about the regional recycling rate, increasing services for repurposing materials and reducing plastic packaging, tracking the effectiveness of the plan update implementation and transparency of data, options for expanding existing solid waste facilities, and investment into new technologies for innovative solutions in renewable energy and reducing greenhouse gas emissions. Detailed feedback from First Nations will be provided to the Ministry of Environment and Parks.

Solid Waste Management Plan Public/Technical Advisory Committee
The Solid Waste Management Plan Public/Technical Advisory Committee chose to form working groups to contribute their feedback to the idea generation phase of the plan update. The chosen topics for three working groups were Construction and Demolition Waste Management, Food Waste and Organics Management, and Plastics Management. In addition, six regular committee meetings were held in 2024. Eighteen committee members participated in one or more working groups and each working group was led by a committee member chair. Staff provided administrative support to the working groups.

Working groups met several times, resulting in a final presentation and recommendations. Working group meeting notes and recommendations are published on the committee website (Reference 4). Some of the recommendations included setting waste reduction and collection targets including interim goals, embedding a construction zero waste hierarchy within Metro Vancouver's procurement and policies, and working across sectors and levels of government to improve food waste policies. The committee also had other opportunities at regular meetings to contribute feedback on idea generation to ensure committee members who were not a part of the working groups had a chance to provide feedback.

Solid Waste and Recycling Industry Advisory Committee
The Industry Advisory Committee elected to incorporate small group discussions into regular meetings to allow deeper focus on key topics related to the solid waste management plan update. Members also took part in two in-person workshops during the idea generation phase to contribute directly to the plan development. Feedback from this group demonstrated their commitment to leveraging solid waste management opportunities and innovative solutions for the region, highlighted the importance of public and private sector collaboration, and included ideas on planning, infrastructure, accountability, and education. Meeting notes, including small group feedback summaries, are available on the committee web page (Reference 5).

Public
In fall 2024, staff engaged the public through various channels including an online questionnaire, community events, and opportunities to present directly to the Zero Waste Committee, Solid Waste Management Plan Public/Technical Advisory Committee, and Independent Consultation and Engagement Panel. Engagement was promoted through an e-blast, newspaper advertisements, QR codes on weigh scale receipts, and social media posts. Metro Vancouver received 228 responses to the online questionnaire and engaged 1,385 residents at community events, and 6,500 residents at the PNE who participated in an engagement activity.

Metro Vancouver made efforts to reach out to sectors, particularly those that are impacted by the solid waste management plan but have not participated in previous phases of the plan update process, including seniors, food retail and food service, construction and demolition, and multi-family housing. Four virtual dialogue sessions were facilitated with representatives from key sectors including food and beverage, health care, and tourism. Three interviews were held with representatives from housing and food retail sectors.

Collaborative Engagement
Metro Vancouver initially introduced the Collaborative Engagement program during the vision and guiding principles phase, offering funding and support to not-for-profit organizations to conduct engagement with their members or networks. To help reduce barriers for the participating organizations, Metro Vancouver provided a comprehensive toolkit of resources including materials to support engagement planning. The success of the program in its first year led Metro Vancouver to repeat the program during the idea generation phase, with a few improvements based on participant feedback in the previous year. These improvements included providing printable resources to ensure groups without access to technology could participate, simplifying technical language to increase accessibility, and increasing the amount of time for organizations to plan and schedule their engagement activities.

Through this program, Metro Vancouver heard from over 1,500 individuals from underrepresented or equity-denied communities. These participants were very grateful to be given the opportunity to contribute to the solid waste management plan update process and they would not be participating without this program. The program also took a non-directive approach for engagement, allowing participating organizations to decide what engagement activity would work for them and their audiences.

In 2024 Metro Vancouver worked with 16 organizations and reached over 650 residents. Participating organizations delivered engagement activities including workshops, questionnaires, focus groups, interviews, newsletters, a shoreline cleanup event, virtual forums, and social media engagement. The Collaborative Engagement program will continue in Fall 2025 during the options analysis phase.

More information can be found on the Collaborative Engagement web page (Reference 6).

Solid Waste Management Plan Independent Consultation and Engagement Panel
Metro Vancouver receives guidance from the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) on the development and implementation of engagement on the solid waste management plan update. The Engagement Panel is an independent, third-party panel including: Andrea Reimer (Chair), Cheryl Brooks, Peter Fassbender, and Veronika Bylicki. Sarah Kirby-Yung, Metro Vancouver Board Director and Chair of the Zero Waste Committee, is the Zero Waste Committee liaison on the panel. In addition to providing advice during engagement planning and implementation, the public was invited to present directly to the Engagement Panel, offering an opportunity to provide feedback on the engagement process itself.

Below is a message provided directly by the Engagement Panel:

> *The idea generation engagement summary is an important milestone in the work to build Metro Vancouver's next solid waste management plan, and the Panel is pleased to offer our comments on it.*
>
> *As Zero Waste Committee members may remember from earlier submissions, through pre-engagement in the early stages of our work the Panel established three main tests by which to judge the effectiveness of engagement. These are (1) transparency of both the process and the information that staff are using to inform the process; (2) provision of multiple engagement avenues to allow participants to "right size" their participation, and (3) persistent innovation in reaching those that have not traditionally had effective pathways for participation, including First Nations and equity-denied groups.*
>
> *In our opinion this most recent phase has met these tests through continuous innovation by staff of processes that support these outcomes. The engagement in the idea generation phase has also substantively addressed some general areas of focus we suggested in our last report to the Zero Waste Committee in June 2024, on the occasion of the vision and guiding principles engagement report. Specific items that have seen good progress in this phase of engagement:*
>
> - *We were heartened to see that diligent efforts to engage local First Nations resulted in a direct meeting with some First Nations, as well as ongoing efforts by Metro Vancouver to increase First Nations engagement with the creation and expansion of several working groups.*
>
> - *Specific sectors with high touchpoints on solid waste such as hospitality and tourism which have been difficult to engage, were the most engaged we've seen since this work began in 2020. Specific factors in this success are an expanded Collaborative Engagement program and through targeted outreach that builds*

on the relationships staff have built in these sectors over the course of the engagement work.

Thank you for the opportunity to provide comments on this phase of engagement and we are happy to answer questions as they arise.

ALTERNATIVES
This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS
Engagement on the solid waste management plan update is included in the approved Solid Waste Services budget.

CONCLUSION
Metro Vancouver is a North American leader in waste reduction and recycling. Through updating the regional solid waste management plan, it strives to further advance waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy. The plan update process is supported by a robust and inclusive engagement process, going above and beyond provincial requirements. In 2024, Metro Vancouver completed the idea generation phase of engagement contributing to the development of potential strategies and actions, as well as draft goals and a draft waste hierarchy. An engagement summary report describes key potential strategies and actions identified through engagement, organized into categories. The ideas gathered through engagement are being consolidated and assessed using key criteria, to produce a draft set of strategies and actions for engagement in the next phase: options analysis.

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2. Metro Vancouver. (2025). Solid Waste Management Plan Idea Generation Feedback Log. https://metrovancouver.org/services/solid-waste/Documents/idea-generation-phase-feedback-log.pdf.
3. Metro Vancouver. (2025). Solid Waste Management Plan Update Web Page. https://metrovancouver.org/services/solid-waste/solid-waste-management-plan-update.
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5. Metro Vancouver. (2025). Solid Waste and Recycling Industry Advisory Committee Web Page. https://metrovancouver.org/services/solid-waste/solid-waste-and-recycling-industry-advisory-committee.
6. Metro Vancouver. (2025). Solid Waste Management Plan Collaborative Engagement Web Page. https://metrovancouver.org/services/solid-waste/collaborative-engagement-program.

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Solid Waste Management Plan Update

Idea Generation Phase

Engagement Summary Report



Acknowledgements

Thank you to everyone who provided input into the idea generation phase of public engagement for the solid waste management plan update. Metro Vancouver embraces collaboration and innovation in providing sustainable regional services that contribute to a livable and resilient region and a healthy natural environment for current and future generations.

The purpose of the idea generation phase of engagement was to gather ideas for potential strategies and actions to include in an updated solid waste management plan, while aligning with the vision statement and guiding principles developed in the previous phase of plan update engagement. We appreciate your time as well as the insights and feedback you shared with us during the idea generation phase. We invite you to participate in the next phase of engagement in the fall of 2025: options analysis.

About Metro Vancouver

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is governed by a Board of Directors of elected officials from each member jurisdiction.

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1. About the Solid Waste Management Plan Update

Metro Vancouver is responsible for waste reduction and recycling planning, and operating a series of solid waste facilities in the region.

Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan and identifying opportunities to further reduce waste and increase recycling, reduce greenhouse gas emissions, and promote a circular economy. Updating the plan is a multi-year process, with the most recently completed phase being the idea generation phase. Metro Vancouver is actively engaging with governments, including First Nations, government agencies, waste and recycling industry, waste producers, businesses, communities, and Metro Vancouver residents to guide updates to the plan. Below is a graphic showing the phases of the solid waste management plan update process.



The idea generation phase builds on the vision and guiding principles established in the previous engagement phase, helping inform a set of potential strategies and actions. The ideas generated will be evaluated in the next phase of the project: options analysis.

This report provides a summary of what was learned through engagement during the idea generation phase.

2. Executive Summary

This report details the idea generation phase of engagement as part of Metro Vancouver's solid waste management plan update. This phase focused on listening and learning from the public, First Nations, and interested parties on potential strategies and actions to include in an updated solid waste management plan.

Idea generation builds on the previous phase which engaged on values and priorities that informed development of the vision and guiding principles. The results from the idea generation phase will inform the final phase of engagement which is options analysis. Potential actions and strategies identified through idea generation will be evaluated using criteria, and presented for further feedback during options analysis engagement. Draft goals and a draft waste hierarchy will also be developed considering feedback in this phase and previous phases.

Metro Vancouver's process for developing the solid waste management plan update involves following provincial guidelines and consideration of engagement input and feedback received during all phases. The idea generation engagement process began in spring 2024, engaging First Nations, member jurisdictions, neighbouring regional districts, and advisory committees.

Public engagement was held from September 16 to December 13, 2024, and included an online questionnaire, outreach at seven community events, interviews, and community outreach at the Pacific National Exhibition (PNE) from August 17 to September 2, 2024. In addition, Metro Vancouver worked with 16 not-for-profit organizations with interest in solid waste management or environmental issues, as well as organizations representing equity denied and under-represented communities.

These not-for-profit organizations were invited to leverage existing connections within their communities and engage with audiences on solid waste topics, to reach those who may not be aware of or have access to provide input to Metro Vancouver.

The purpose of public engagement was to build on the vision and guiding principles established in the previous phase to help inform a set of potential strategies and actions for the plan, which will be further assessed and evaluated in the options analysis phase of the project.

Summarized below are potential actions and strategies identified in the engagement feedback, organized into categories. The categories are presented in alphabetical order:

- **Accessibility and Inclusivity**

  Emphasized the need for equity by addressing barriers related to language, mobility, income, and cultural relevance. Suggestions included culturally responsive outreach, support for equity-deserving groups (e.g., seniors, newcomers, people with disabilities), and stronger partnerships with underserved communities.

- **Accountability and Transparency**

  Highlighted public desire for clearer definitions, accessible performance data, and transparent processes around recycling outcomes. Participants called for greater responsibility from producers, haulers, and governing bodies, with Metro Vancouver encouraged to lead in standard-setting and public reporting.

- **Affordability, Convenience and Consistency**

  Stressed that ease of access and cost are key drivers of participation. Recommendations included consistent recycling systems across municipalities, better infrastructure in multi-family buildings, expanded curbside and drop-off services, and volunteer-led supports.

- **Circular Economy**

  Focused on shifting to a reuse-based system with circular product design, packaging reform, and expanding infrastructure and programs for repair and reuse. Feedback supported policy change, and community-level reuse spaces.

- **Collaboration**

  Called for stronger partnerships across sectors, jurisdictions, and disciplines, ranging from municipalities and industry, to academia, and First Nations. Suggestions included shared data platforms, joint working groups, and global knowledge exchange to scale solutions and drive systems change.

- **Education, Engagement, and Awareness**

  Underscored the importance of multilingual education, gamification, and school and community-based programming to foster behavior change. Participants called for improved access to information, industry engagement, and coordinated public awareness campaigns.

- **Environmental Stewardship and Climate Action**

  Linked waste to environmental and climate concerns such as greenhouse gas emissions and pollution. Comments called for incorporating traditional Indigenous knowledge and cultural practices, corporate accountability, and integration of climate considerations in infrastructure planning.

- **Infrastructure and Capacity**

  Identified lack of infrastructure for waste and recycling processing as both a barrier and opportunity, especially in urban settings. Key ideas included decentralized systems, expanding organics and construction waste processing capacity, and long-term planning for future needs.

- **Innovation and Technology**

  Expressed excitement about artificial intelligence, smart tools, and data-driven solutions. Participants advocated for policy and business partnerships to support innovation and build a sustainable waste economy.

- **Markets and Economy**

  Emphasized the economic potential of sustainable waste systems. Suggestions included tax incentives, workforce development, and promoting business cases for circular practices.

- **Policy and Regulation**

  Called for stronger, consistent regulations across jurisdictions. Ideas included expanding extended producer responsibility programs to cover more product categories and hold manufacturers and retailers accountable. Packaging restrictions, penalties for excess packaging, better enforcement, and improvements to construction and demolition waste policies and procurement rules were also raised.

- **Recycling and Composting**

  Focused on barriers to participation and high contamination rates. Solutions included clearer labelling, education, incentives, and improving composting programs. Participants emphasized the importance of source separation and called for improved infrastructure, mandatory sorting, and incentives to support early intervention across sectors.

- **Waste Prevention**

  Advocated for waste prevention as a top priority, with strong support for addressing overconsumption, excess packaging, single-use items, and food waste through regulation, education, and addressing cultural barriers and understanding.

First Nations Engagement

Metro Vancouver acknowledges that the region's residents live, work, and learn on the shared territories of many Indigenous peoples, including 10 local First Nations: q̓ic̓əy̓ (Katzie), q̓ʷɑːn̓ƛ̓ən̓ (Kwantlen), kʷikʷəƛ̓əm (Kwikwetlem), máthxwi (Matsqui), xʷməθkʷəy̓əm (Musqueam), qiqéyt (Qayqayt), Semiahmoo, Sḵwx̱wú7mesh Úxwumixw (Squamish), scəw̓aθən məsteyəxʷ (Tsawwassen), and səlilwətaɬ (Tsleil-Waututh).

Metro Vancouver respects the diverse and distinct histories, languages and cultures of First Nations, Métis, and Inuit, which collectively enrich our lives and the region. The solid waste management plan update presents an opportunity for Metro Vancouver to advance collaboration and strengthen relationships with First Nations.

In summer 2024, letters were sent to 49 First Nations and Tribal Councils whose consultative areas interact with the Metro Vancouver region, and Métis Nation of BC, inviting feedback on the idea generation phase of the plan update. On July 26, 2024, Metro Vancouver met with representatives from four local First Nations to discuss potential strategies and actions and priority goals for the updated solid waste management plan:

- q̓ʷɑːn̓ƛ̓ən̓ (Kwantlen)
- kʷikʷəƛ̓əm (Kwikwetlem)
- Sḵwx̱wú7mesh Úxwumixw (Squamish)
- Semiahmoo

Feedback received at the July 2024 meeting included questions about the regional recycling rate, increasing services for repurposing materials and reducing plastic packaging, tracking the effectiveness of the plan update implementation and transparency of data, options for expanding existing solid waste facilities, and investment into new technologies for innovative solutions in renewable energy and reducing greenhouse gas emissions. Detailed feedback from First Nations will be provided to the Ministry of Environment and Parks.

3. About the Engagement Process

In fall 2024, Metro Vancouver engaged First Nations, member jurisdictions, neighbouring regional districts, and advisory committees to gain their insights and ideas on potential strategies and actions for the plan, through in-person and virtual meetings and workshops. Public engagement occurred from September 16 to November 8, 2024, including an online questionnaire and community events.

The purpose of public engagement was to build on the vision and guiding principles established in the previous phase to help inform a set of potential strategies sand actions for the plan, which will be further assessed in future phases.



The table below provides a summary of engagement activities for the idea generation phase including intended audience(s).

AUDIENCE	ENGAGEMENT METHOD/DESCRIPTION
Member jurisdictions	Metro Vancouver launched idea generation engagement by sending correspondence to mayors and councils of member jurisdictions. Metro Vancouver engaged the following member jurisdiction staff committees: • Regional Administrators Advisory Committee– shared project information • Regional Engineers Advisory Committee– engaged / received feedback during the Metro Vancouver Conference Day event • Regional Engineers Advisory Committee Solid Waste Sub-Committee and the Regional Waste Reduction Coordinators' Committee – received input through a workshop and regular committee meetings
Neighbouring regional districts	Metro Vancouver sent letters to regional district boards Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District. Metro Vancouver staff met with regional district staff and provided a presentation to the Fraser Valley Regional District Board.
Solid Waste and Recycling Industry Advisory Committee, Solid Waste Management Plan Public/ Technical Advisory Committee, Youth and Education Advisory Panel	Metro Vancouver staff shared project information and received feedback and insights on potential strategies and actions to address identified issues and opportunities. The Public/Technical Advisory Committee formed working groups to develop ideas for the updated plan on three topics: food waste and organics, construction and demolition waste management, and plastics.

Key Sectors	Metro Vancouver facilitated virtual dialogue sessions with representatives from four key sectors. These sessions provided an opportunity to identify options and proposed strategies for identified issues and opportunities.
Public outreach at the PNE	Metro Vancouver staff engaged residents at the Pacific National Exhibition (PNE), prior to the active public engagement phase, to engage and educate the public on recycling and waste management, and to share information on the idea generation phase of the project.
Online questionnaire	An online questionnaire was shared on the project webpage to gather feedback about potential barriers to participation in waste reduction and recycling efforts and learn about the public's priorities when thinking about solid waste management actions and opportunities.
Community Events	Metro Vancouver participated in seven community events around the Metro Vancouver region to share information, and to gain feedback and insights from the public on recycling and waste management.
Collaborative Engagement	Collaborative engagement provided an opportunity to engage with 16 not-for-profit organizations, including organizations with an interest in solid waste management or environmental issues, and/or organizations representing equity-denied and underrepresented communities. A comprehensive toolkit of resources, including facilitation guides and meeting materials, was provided to organizations to support engagement with their audiences or communities. Each organization provided a feedback report which was incorporated into the idea generation analysis.
One-on-one interviews	One-on-one interviews with representatives from local organizations.
Public presentations to the Zero Waste Committee and the Solid Waste Management Plan Public / Technical Advisory Committee	Members of the public were invited to provide presentations to the Zero Waste Committee and Public/Technical Advisory Committee, to share ideas for strategies and actions that could be included in an updated plan.
Public presentations to the Solid Waste Management Plan Independent Consultation and Engagement Panel	The public was invited to present directly to the Independent Consultation and Engagement Panel to provide feedback on the engagement process.

4. Engagement Promotion

Information on the engagement opportunities was shared with the public and interested parties multiple ways.

Website

The dedicated project webpage for the solid waste management plan update was updated for idea generation engagement to provide project background information, promote public engagement opportunities, and host the online questionnaire. The calendar of engagement events was also shared on this webpage to encourage public participation. There were more than 5,500 web page visits during the idea generation phase.

In addition, QR codes linking to the solid waste management plan web page were printed on the bottom of weigh scale receipts issued at Metro Vancouver solid waste facilities.

Social Media

The idea generation phase of the solid waste management plan update was promoted on social media from September 16 to November 8, 2024. Social media posts provided project information and encouraged public participation and input and reached more than 100,000 people.

Print Ads

Print ads were published in the Vancouver Sun and The Province newspapers, in September and October 2024. These ads provided project information and public engagement opportunities.

E-blasts

Engagement opportunities were promoted via email to over 1,300 recipients who are subscribed to receive notifications on Metro Vancouver solid waste topics, including the solid waste management plan.

Engagement opportunities were also promoted to several Boards of Trade and Chambers of Commerce (with the Burnaby Board of Trade sharing information through their newsletter), and by Landlord BC (questionnaire sent to members).

Outreach

4 advertisements
in the Vancouver Sun and The Province newspapers

5,520 visits
to project webpage

2 e-blast
Two notifications were sent to database of over 1,300 contacts, and forwarded to advisory committees and other interested parties

20
Social Media posts
Reach: 117,867
Engagements: 289
Clicks: 852

5. Engagement Participation

The graphic and table below outline the level of participation in each of the engagement opportunities offered.

Overall, Metro Vancouver staff facilitated 29 meetings, received over 200 responses to the online questionnaire, reached over 1,300 participants at community events. In addition, 6,500 participated in the engagement activities and nearly 23,000 participated in an educational activity at the Pacific National Exhibition (PNE). Metro Vancouver also worked with 16 not-for-profit organizations who coordinated engagement with their networks and communities, reaching approximately 650 individuals through these organizations.



ENGAGEMENT METHOD	PARTICIPANTS	DATE

Meetings and workshops	• Member jurisdictions:
	  ◦ Indigenous Relations Committee
	  ◦ Regional Administrative Advisory Committee
	  ◦ Regional Engineers Advisory Committee (at Metro Vancouver Conference Day)
	  ◦ Regional Engineers Advisory Committee Solid Waste Sub-Committee
	  ◦ Invest Vancouver Advisory Committee (report only)
	  ◦ Regional Communications Advisory Group
	  ◦ City of Coquitlam staff (on request)
	• Neighbouring regional district staff
	• Fraser Valley Regional District Board
	• Sunshine Coast Regional District Board (report only)
	• Solid Waste Management Plan Public / Technical Advisory Committee
	• Solid Waste and Recycling Industry Advisory Committee
	• Society Promoting Environmental Conservation – Master Recyclers Zero Waste Committee
	• Youth and Education Advisory Panel
	• Youth4Action
	• Waste Management Association of BC members meeting
		March – November 2024

Community outreach at the PNE	• Approximately 6,500 participants in the engagement activity, and nearly 23,000 participants in an educational activity	August 17 – September 2, 2024
Outreach at Community Events	1,385 participants at seven events • SFU Vendor Expo (190) • Car Free Day – Main Street (450) • Metro Vancouver Housing – Heather Place (1) • North Shore Shipyards Festival (430) • RiverFest, New Westminster (140) • Tsawwassen Mills Shopping Centre (18) • Diwali Festival, Surrey (156) • In addition, Metro Vancouver hosted an information booth at the Coffee Cup Revolution event, organized by the Binners' Project, and at the SWANA Day conference.	September – November 2024
Sector Engagement Meetings	• Canadian Beverage Association • Retail Council of Canada (Food Retailers) • Health Authorities (Lower Mainland Health Organization Waste Management Teams) • Destination Vancouver	October – December 2024
Collaborative engagement organizations hosting engagement activities	• BC Apparel and Gear Association • BC Hotel Association • Binners' Project • Bioloop Foundation • CityHive • Coast Waste Management Association of BC • Fraser Basin Council • Hong Kong House Cultural Society • Master Recyclers (Society Promoting Environmental Conservation) • Mind Your Plastic • Ocean Wise • Recycling Council of BC • Surrey Board of Trade • Vancouver Food Runners • Women Transforming Cities • Zero Waste BC	September – December 2024
Interviews/Meetings	• Metro Vancouver Regional Planning and Housing • IGA (Retail) • Strandberg Consulting	October – December 2024
Online questionnaire	• 228 participants	October – December 2024

Collaborative Engagement Program

The Collaborative Engagement program is an inclusive public engagement program that Metro Vancouver initiated during the vision and guiding principles phase of engagement. The program offers funding (up to $5,000), staff support, and resources to not-for-profit organizations to conduct engagement with their members, communities, or networks. The goal of this program is to address the issue of advancing diversity, equity, and inclusion in Metro Vancouver's engagement processes by collaborating with and hearing from audiences and organizations who otherwise may not be aware of or have access to opportunities to provide input to Metro Vancouver. This includes organizations that represent underrepresented or equity-denied communities, youth, seniors, urban Indigenous people, and environmental groups.

During the idea generation engagement phase, Metro Vancouver worked with 16 organizations, who led and facilitated engagement activities with their networks. These activities included workshops (virtual and in-person), in-person and online questionnaires, focus groups, interviews, email newsletters, a shoreline clean up event, virtual forums, and social media engagement. Each organization submitted an engagement summary report to Metro Vancouver that included feedback to be considered while identifying potential strategies and actions. Over 650 residents were engaged through the collaborative engagement program for idea generation. Feedback from the organizations indicated that participants would likely not have been involved in the solid waste management plan update engagement process without the Collaborative Engagement program.

Facilitated Sessions

Metro Vancouver staff facilitated workshops or feedback sessions with the Solid Waste Management Plan Public/Technical Advisory Committee, Solid Waste and Recycling Industry Advisory Committee, Regional Engineers Advisory Committee (at Metro Vancouver Conference Day), Regional Engineers Advisory Committee Solid Waste Sub-Committee, Regional Waste Reduction Coordinators' Committee, neighbouring regional district staff, Society Promoting Environmental Conservation Master Recyclers Zero Waste Committee, Youth and Education Advisory Panel, and Youth4Action. Project information was shared, and participants were provided with an opportunity to share their feedback, ideas, and potential solutions to address identified issues and opportunities.

Sector Engagement

Metro Vancouver facilitated four virtual dialogue sessions with representatives from the Canadian Beverage Association, Retail Council of Canada (food retailers), Health Authorities, and Destination Vancouver. These sessions provided an opportunity to identify ideas and proposed strategies for identified priority areas.

Online Questionnaire

A total of 228 participants responded to an online questionnaire. The online platform provided the public and interested parties the opportunity to self-select their participation in particular components of the questionnaire. The questionnaire was open from August 23 to November 8, 2024, and aimed to explore public practices, ideas, and priorities in waste reduction and recycling, as well as barriers to participation.

A link was shared on the Metro Vancouver solid waste management plan project web page, social media, email promotions, and at engagement meetings and workshops.

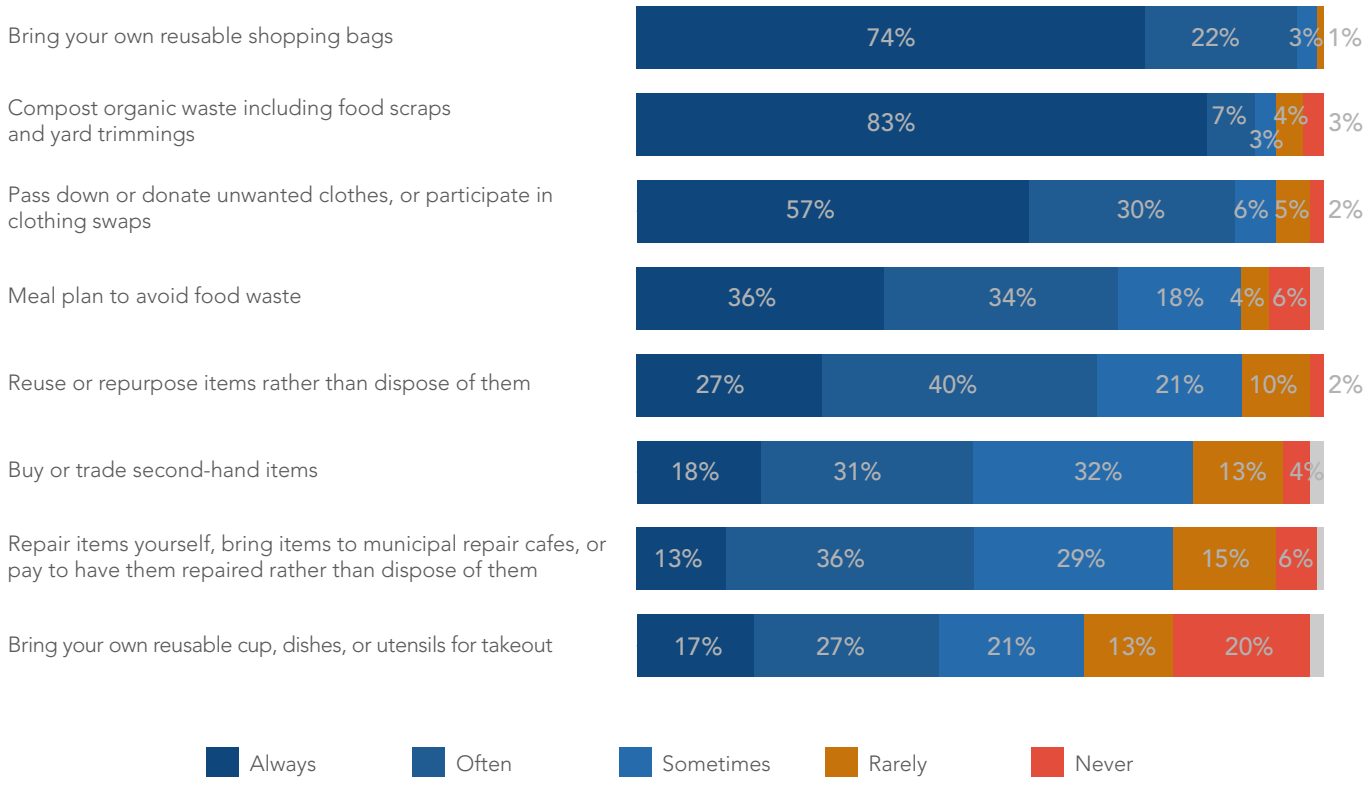
6. Detailed Engagement Feedback – Online Questionnaire

An online questionnaire was launched to gather feedback about potential barriers to participation in waste reduction and recycling efforts and learn about the public's priorities when thinking about solid waste management actions and opportunities. Below is a detailed summary of the feedback received through the online questionnaire that was completed by 228 indaviduals. The key themes from the questionnaire are incorporated into the overall engagement feedback summary in the following sections.

Waste Reduction Practices

Many respondents noted that they are buying only what's needed, opting for second-hand or longer-lasting products, and avoiding unnecessary items. Recycling and reuse were key strategies, with respondents sharing their approach to taking hard-to-recycle materials to proper facilities, finding creative ways to repurpose items, and advocating for improved recycling systems. Education and community involvement play a strong role, as individuals share knowledge and support local waste-reduction initiatives. Thoughtful packaging choices — like buying in bulk or selecting products with minimal or sustainable packaging — were seen to help reduce waste at the source. Repairing and maintaining products is another common practice among respondents, although the desire for better access to repair services was a common sentiment.

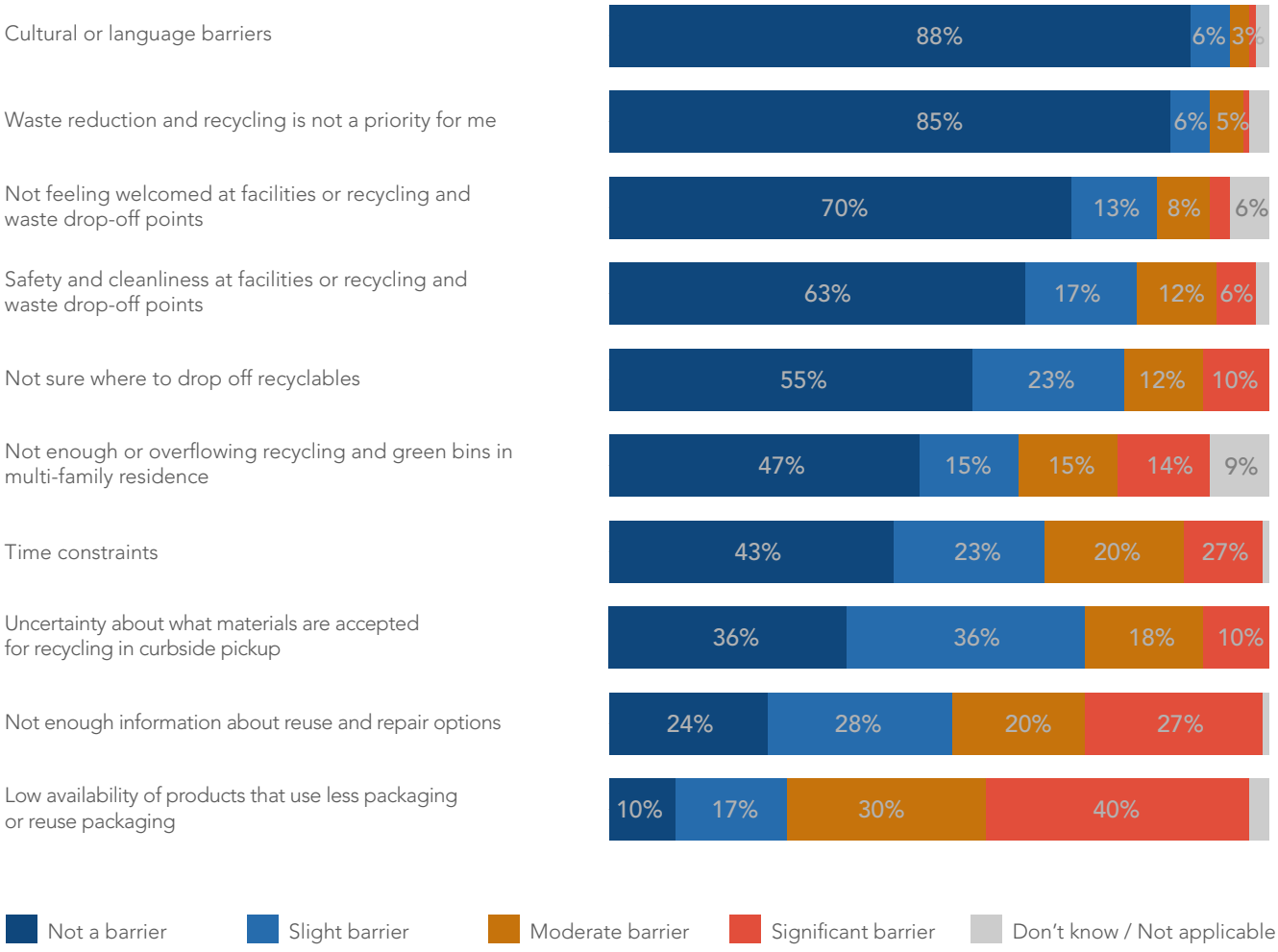
Question: How often do you do the following to reduce waste?



Accessibility and Inclusion

Questionnaire respondents identified numerous barriers to effective waste management, including limited access to recycling facilities, space constraints in small or multi-family homes, and confusion about sorting and disposal rules. Inconsistent policies across the region, high costs of sustainable options, and lack of trust in the recycling system were identified as further hindering participation. Groups such as seniors, low-income households, non-English speakers, and those without vehicles face added challenges due to accessibility, language, or physical limitations. Suggestions included improving infrastructure, offering multilingual education, enhancing clear and accessible signage, expanding curbside services, and enforcing clearer, standardized policies to make waste reduction more inclusive and manageable for all members of the public.

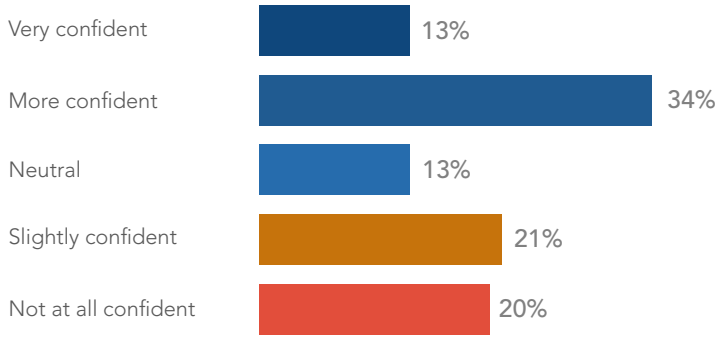
Question: To what extent do the potential barriers below prevent you and your household from participating more actively in waste reduction and recycling efforts?



Confidence in the Waste System

When asked what could be done to increase confidence in current recycling systems, respondents highlighted a strong desire for greater transparency in the recycling process, with calls for clear information, videos, and success stories to build trust. Education was a major theme, including the need for multilingual outreach and school programs. Many suggested the need for regular reporting on recycling outcomes and contamination rates, as well as easier access to recycling services. There were strong calls for accountability, including enforcement measures and producer responsibility, along with systemic changes to eliminate non-recyclable packaging. Respondents emphasized hands-on learning, better communication through digital channels, and practical guidance to reduce contamination.

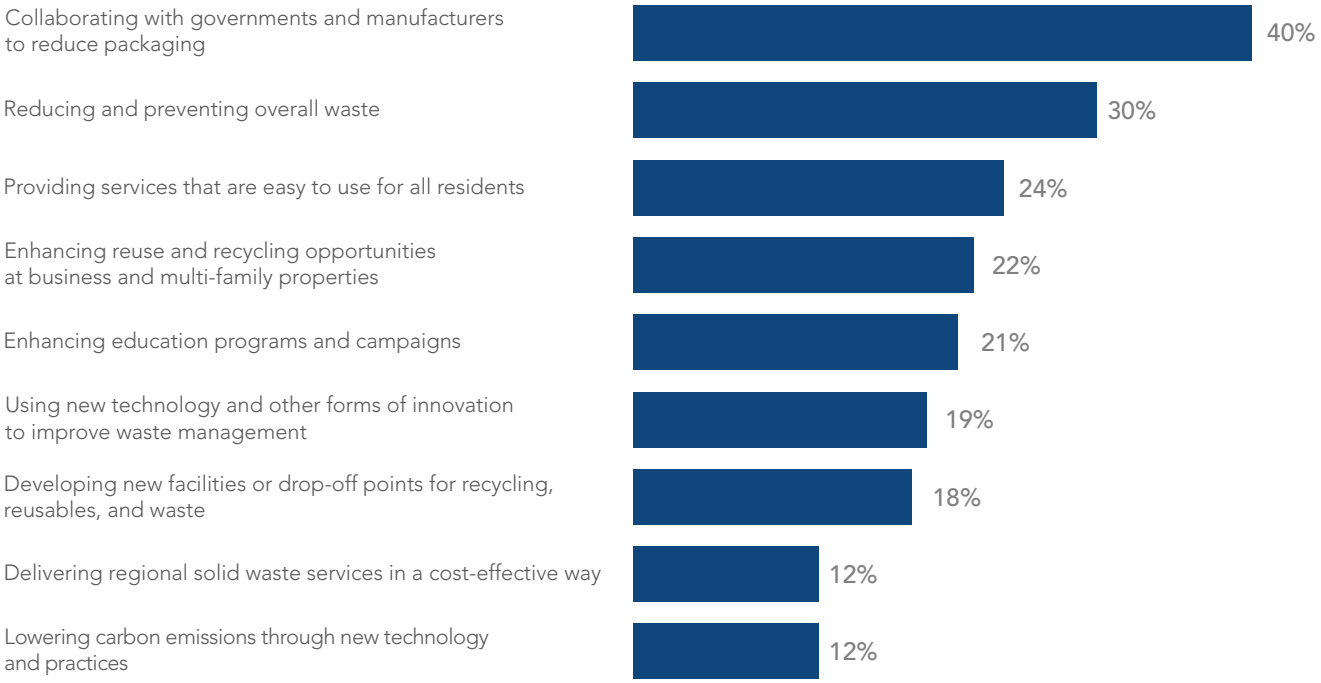
Question: How confident are you that the items you recycle are being recycled into new products instead of ending up in disposal?



Looking to the Future

When asked to pick Metro Vancouver's top priorities for the future when it comes to solid waste management respondents emphasized the need to reduce packaging and overconsumption at the source, calling for bans on Styrofoam, taxes on excess packaging, and promotion of reusable alternatives. They supported expanding and standardizing recycling services, improving infrastructure, and investing in circular economy practices like repair and reuse. Education, transparency, and community engagement were seen as critical, alongside stronger policy and incentives to hold businesses accountable. Equity, accessibility, and the inclusion of Indigenous knowledge were highlighted, along with support for environmental innovation, new technology and practices, and solutions for hard-to-recycle materials and construction waste.

Question: What should be Metro Vancouver's top priorities for the future when it comes to solid waste management?



Idea Generation

Question: Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?

Respondents suggested that to reduce the amount of waste in the region, Metro Vancouver should start by reducing packaging and promoting reusable alternatives, expanding and standardizing recycling services, and investing in repair, reuse, and circular economy practices. They called for stronger education, transparency about recycling outcomes, and more accessible infrastructure. Respondents also emphasized the need for legislation to hold producers accountable, incentives for waste reduction, and equitable access to services, especially for underserved communities. There was support for environmental innovation, better handling of niche waste streams.

Feedback from the questionnaire comments were included in the overall feedback analysis that has been summarized in the What We Learned and How We Are Responding section below.

7. Engagement Feedback – What We Learned and How We Are Responding

Below is a thematic summary, in alphabetical order, of what we learned throughout the engagement phase from all methods and audiences, along with Metro Vancouver's intended response to each area of priority, describing how the feedback will be considered in the solid waste management plan update process.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Accessibility and Inclusivity	This theme highlights the need for equity in waste systems by addressing barriers related to language, mobility, income, and cultural relevance. Feedback emphasized the importance of tailoring programs for equity-deserving groups, including newcomers and people with disabilities and embedding systemic equity within policy and practice. There was a strong focus on ensuring education and outreach efforts are culturally responsive, i.e., tailored to the values, lived experiences, and communication preferences of diverse communities. Feedback emphasized the need for targeted outreach strategies, culturally relevant content, and deeper partnerships with underserved and newcomer communities to improve awareness and participation in waste reduction. Further suggestions included engaging religious and cultural groups to promote waste reduction, supporting seniors and low-income residents with accessible recycling options, and collaborating with businesses to align with their sustainability goals. Overall, this theme reflects a growing recognition that inclusive and accessible waste management systems are essential.	"Inclusive solid waste services and programs" is a guiding principle for the updated solid waste management plan. Metro Vancouver will continue to assess how all actions that form a part of the updated plan can be implemented in an accessible, inclusive way.

Accountability and Transparency	This theme reflects public demand for clearer, more transparent, and accountable waste systems. Many participants wanted to know what happens to their recycling, how much is recycled, and who is responsible when things go wrong. There were calls for better data, clearer definitions, improved public reporting, and stronger producer and hauler accountability. Comments also encouraged Metro Vancouver to lead in setting standards and making performance data more accessible to the public. Transparency was seen as essential to building trust and motivating residents to participate in waste reduction and recycling initiatives.	"Transparency about what happens to garbage and recycling" and "Accountability from residents, businesses and governments to prevent waste" are guiding principles for the updated solid waste management plan. Transparency is also part of the criteria used to assess potential action options for inclusion in the updated plan, and many ideas being evaluated include providing more information about recycling.
Affordability, Convenience, and Consistency	This category included comments related to overcoming barriers to residents accessing waste and recycling services, including affordability, convenience and accessibility, and consistency of service across the region. Feedback highlighted that affordability and ease of access are major drivers of participation in waste and recycling programs. There was a call for consistent recycling and sorting systems across Metro Vancouver member jurisdictions, simplified infrastructure, and better support in multi-family buildings. Affordability of disposal, access to facilities, and public transportation barriers were commonly cited as issues that require attention and action, especially for and among low-income and equity-denied populations. There was a clear demand for expanded infrastructure and services, especially in high-density areas, and a desire for more volunteer-driven or community-led supports to bridge participation gaps. Examples include more drop-off centers, increasing public recycling bins, and offering curbside collection for hard-to-recycle items like soft plastics, textiles, and electronics. Seasonal or mobile recycling depots were also proposed for bulky or less common items.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is a guiding principle for the updated solid waste management plan. Metro Vancouver is considering strategies for the plan including making it easier to recycle and encouraging development of new recycling infrastructure.

Circular Economy	Feedback related to this theme focused on shifting from a linear to a circular model of production and consumption. Key ideas included promoting circular product design, scaling up repair and reuse infrastructure, and encouraging mindful consumer behaviour. Feedback emphasized the need for policy and leadership to support circular transitions, including incentives for business innovation, packaging redesign, and local reuse networks. Participants recommended promoting repairable products, supporting businesses that repurpose waste into usable goods, and creating community spaces to encourage the reuse of clothing, electronics, and furniture. These initiatives were seen as essential to building a circular economy where resources are kept in circulation rather than discarded. Comments also highlighted challenges to broader adoption of circular practices, including gaps in supportive infrastructure, difficulty scaling reuse models, fragmented policy, and limited financial incentives. Education and community engagement, including the integration of Indigenous knowledge systems, were mentioned as critical tools to support long-term transitions.	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is a guiding principle for the updated solid waste management plan. Metro Vancouver is considering strategies for inclusion in the plan including advocating for circular economy regulations, facilitating the transition to a more circular regional economy through waste prevention, and improving access to circular consumer services and goods.

Collaboration	Feedback emphasized that collaboration is essential to building a more effective, integrated, and equitable waste management system. Participants called for stronger partnerships across Metro Vancouver member jurisdictions to align infrastructure, staffing, procurement, and education efforts particularly to support smaller communities and ensure consistent service delivery. Metro Vancouver was encouraged to take a leadership role in convening cross-sector collaboration with health authorities, Indigenous communities, academic institutions, non-profits, and private industry to co-develop solutions, share expertise, and pilot innovations. Suggested actions included creating regional working groups, centralized collaboration hubs, industry-specific tables (e.g., for textiles and C&D), and shared data platforms to improve transparency and alignment. Feedback also highlighted the need for inter-jurisdictional coordination with adjacent regional districts and the Province to advance policy and infrastructure planning. Finally, participants stressed the importance of community-based partnerships with local organizations, housing providers, and cultural groups to strengthen public education, build trust, and support more inclusive and locally responsive waste reduction initiatives.	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is a guiding principle for the updated solid waste management plan. Many ideas received for the plan that are undergoing options analysis include collaborations with industry, non-profits, First Nations and institutions.

Education, Engagement, and Awareness	Feedback consistently highlighted the importance of clear, accessible education to strengthen public understanding and participation in waste reduction. Comments emphasized the need for multilingual resources, school-based programs, community-led initiatives, and engaging social media campaigns. There was particular interest in interactive and engaging formats, like gamified recycling challenges and storytelling campaigns. Collaborative outreach emerged as a key strategy, suggesting partnerships with schools, libraries, neighbourhood houses, and cultural organizations to deliver hands-on workshops, place-based education, and local engagement. Several comments noted that outreach efforts should be tailored to meet residents where they are both physically and culturally. Industry engagement was also viewed as critical, with calls for producers and retailers to play a greater role in educating consumers through packaging design, product labelling, and clearer disposal guidance. Participants also stressed the importance of centralized, consistent information, and addressing public skepticism and misinformation through transparency and repetition.	Metro Vancouver is considering strategies and actions for inclusion in the plan including educating residents and businesses on reuse, refill, and recycling. Many potential action options being considered include education and outreach components.
Environmental Stewardship and Climate Action	This theme links waste management to climate action and environmental protection. Comments highlighted the contribution of waste to greenhouse gas emissions and pollution. Participants called for corporate accountability and climate-responsive infrastructure planning. Participants also highlighted the value of Indigenous-led sustainability approaches both through leadership roles and through the integration of traditional ecological knowledge, such as the principles of zero waste, and respect for land stewardship. There was also discussion on the emotional and social impacts of climate change, underscoring the broader significance of responsible waste management and sustainable resource use.	"Environmental stewardship and climate action" is a guiding principle for the updated solid waste management plan. Impacts on greenhouse gas reduction and pollution prevention are key components of the criteria used to assess potential action options for inclusion in the updated plan.

Infrastructure and Capacity	Feedback under this theme focused on the need to expand and modernize infrastructure to meet the demands of a growing and diversifying population. Participants called for increased capacity to process organics, recyclables, construction and demolition (C&D) waste, and harder-to-manage streams such as bulky items, textiles, electronics, medical waste, and hazardous materials like asbestos drywall. Contamination prevention, particularly in organics and mixed C&D loads, was seen as a priority for improving diversion outcomes. There were strong calls for more localized and decentralized infrastructure solutions, including community depots, pop-up repair and reuse hubs, and textile collection sites, to improve access and reduce transportation costs. Land use constraints, especially the loss of industrial land to development, were identified as a key barrier to expanding infrastructure. Concerns around logistics, including travel distances to solid waste facilities and site accessibility, were flagged as obstacles that reduce participation from both residents and businesses. Lastly, some participants expressed a desire for Metro Vancouver to take a more visible and proactive leadership role in long-term infrastructure planning, with greater transparency and coordination to ensure the system can meet future regional needs.	"A solid waste system that is resilient to climate change and future challenges" is a guiding principle for the updated solid waste management plan. Metro Vancouver is considering strategies for inclusion in the plan including encouraging the development of new recycling infrastructure. Many of the concerns expressed by engagement participants are reflected in the evaluation criteria used to assess potential action options, including convenience, transparency, and economic prosperity.

Innovation and Technology	There is strong enthusiasm about the role of technology and innovation in advancing waste management, with feedback highlighting tools such as artificial intelligence, smart bins, and data-driven apps to improve sorting, reduce contamination, and enhance user experience. Participants called for greater investment in emerging processing technologies, as well as support for pilot projects and community-led solutions. Many emphasized the importance of cross-sector collaboration and international knowledge sharing, pointing to successful practices in places like Singapore, Japan, and New York. There were also calls for regulatory frameworks and funding mechanisms, such as tax incentives or allocating a portion of generator levies to better support innovation and reduce financial risks for early adopters. Participants stressed the value of partnering with businesses, researchers, and non-profits to co-develop sustainable materials, reuse and recycling technologies, upcycling initiatives, and circular economy infrastructure. Overall, this theme highlights a desire to embrace emerging tools, creativity, and partnerships to meet the region's evolving waste challenges.	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is a guiding principle for the updated solid waste management plan. Many of the priorities expressed by engagement participants are reflected in the criteria used to assess potential action options, including innovation and collaboration.

Markets and Economy	Feedback under this theme highlighted both economic challenges and opportunities to advance a more circular waste system. A lack of stable markets, particularly for C&D waste, wood, plastics, textiles, and organics, continues to make recycling and reuse financially unviable compared to landfilling. Participants called for local market development, tax incentives, and pricing structures that make diversion more attractive. There were also calls for increased funding to support infrastructure and innovation, more stable commodity markets, and stronger engagement with businesses, especially subject matter experts, to scale circular solutions. Financial tools such as tax breaks, grants, deposit-refund systems, and rewards for waste reduction were widely supported, along with penalties for excessive packaging. Public-private partnerships, job creation, and support for small businesses and non-profits were seen as essential to growing the reuse and recycling economy. Many saw economic opportunity in a more circular system and encouraged more visible promotion of a business case for sustainability.	"A solid waste system that is resilient to climate change and future challenges" is a guiding principle for the updated solid waste management plan. Metro Vancouver is considering strategies for inclusion in the plan including encouraging the development of new recycling infrastructure and increasing recycled content, which helps to develop new markets. Many of the concerns expressed by engagement participants are reflected in the criteria used to assess potential action options, including resilience and economic prosperity.

Policy and Regulation	Feedback in this theme reflected a strong demand for more consistent and enforceable policy frameworks to regulate products, packaging, construction waste, and land use. Participants called for clear, coordinated action across all levels of government to reduce confusion and improve accountability. Many emphasized the need for stronger product and packaging regulations, including restrictions on hard-to-recycle or excessive packaging, mandatory recycled content, and clearer labeling standards. There was broad support for expanded extended producer responsibility programs, with suggestions to require producers to take back packaging and products, and to impose financial penalties for non-recyclable or wasteful materials. Participants also called for greater enforcement and compliance mechanisms, including fines, inspections, and clear consequences for violations. Specific attention was given to construction and demolition waste, with feedback calling for policies that mandate diversion, support deconstruction, and remove permitting barriers to innovation. Finally, participants stressed the importance of government leadership, including the use of tax tools, procurement policies, and transparent planning processes to support circular and sustainable waste systems. Many participants expressed that without regulatory pressure and incentives; voluntary industry action alone will not be sufficient to drive change.	Metro Vancouver is considering strategies for inclusion in the plan including advocacy for policies at other levels of government. The updated solid waste management plan will include a regulatory strategy describing Metro Vancouver's regulatory authority and priority areas for potential changes to regulation considering feedback received during engagement.

Recycling and Composting	This theme focused on participation barriers, contamination issues, and the need to restore public confidence in recycling and organics programs. Participants highlighted challenges related to inconsistent recycling options in multi-family and mixed-use buildings, a lack of clarity around what materials can be recycled or composted, and the need for standardized solutions for handling diverse material streams such as textiles, electronics, and bulky items. Suggestions included clearer labelling, targeted education campaigns, and consistent messaging to reduce confusion and contamination. Incentives were proposed to increase resident participation, along with system improvements that would make sorting and disposal more intuitive and accessible. Many expressed that boosting transparency and demonstrating the impact of recycling efforts would be key to rebuilding public trust in these systems. Source separation was also identified as essential. Feedback called for better infrastructure and enforcement to support early sorting, especially in construction, commercial, and multi-family settings. Participants recommended mandatory bins, staff training, and stronger incentives for source separation.	Metro Vancouver is considering strategies for inclusion in the plan including improving participation in green bin programs and alternatives, making it easier to recycle, and increasing data availability and reporting. Many potential action options being considered include education and outreach to reduce confusion.
Waste Prevention	Preventing waste before it's created was a top priority. Participants emphasized tackling root causes of overconsumption, excess packaging, and single-use items through regulation, education, and shifts in culture. Many supported bans on problematic materials and business licensing tied to waste reduction and reporting. Food waste prevention also emerged as a key sub-theme, with participants advocating for meal planning, food sharing, and partnerships with businesses and non-profits to redistribute surplus food. There was broad support for redirecting resources away from disposal infrastructure and toward upstream solutions that enable true prevention.	The draft goals and hierarchy for the updated solid waste management plan include minimizing waste generation, and waste reduction is considered a high priority. Metro Vancouver is considering strategies for inclusion in the plan including preventing food waste upstream. Enhancing disposal bans is part of the draft regulatory strategy proposed in the plan.

8. How Feedback Will Be Used

Feedback from this engagement process has provided a set of potential strategies and actions to consider including in the updated solid waste management plan. These ideas will be sorted, consolidated, and evaluated in the next phase of engagement: options analysis. Following options analysis, an updated solid waste management plan will be developed for consideration by the Zero Waste Committee and GVS&DD Board, prior to it being submitted to the Minister of Environment and Parks for approval.

9. Next Steps

This engagement summary report will be presented to the Zero Waste Committee and GVS&DD Board. Further opportunities to engage on the solid waste management plan update will be available as the project transitions to the options analysis phase.

If you have any questions or comments about this project, please contact 604-432-6200 or zerowaste@metrovancouver.org.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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

No.	Date	Source/Material	Organization/Group	Sector/ audience	Engagement Question/Sub-topic	Feedback comment/question	MV response
1	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Not enough capacity to process and reuse C&D materials within the region with existing facilities	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan. Actions and strategies under this goal include building capacity in the region for materials such as C&D.
2	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	A large portion of material that used to be recycled, now can't be recycled. Historically, C&D MRFs separated putwood and sent it to CANFOR and other locations as alternative fuel. The remaining material was disposed to landfill. Construction has increased resulting in increased waste, but at the same time end market and disposal capacity has decreased.	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan. Actions and strategies under this goal include building capacity in the region for materials such as C&D.
3	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Lack of space (land) due to high price of real estate	Issues such as lack of space were considered in developing evaluation criteria for potential strategies and actions for the updated solid waste management plan. Actions that address this issue as well as others are more likely to be included in an updated plan.
4	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Diminishing disposal capacity (land use and siting challenges)	Issues such as diminishing disposal capacity were considered in developing evaluation criteria for potential strategies and actions for the updated solid waste management plan. Actions that address this issue as well as others are more likely to be included in an updated plan.
5	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Limited space at construction sites for on-site sorting and separate containers and systems for fast and easy material sorting	Many ideas received during idea generation engagement included ways to improve recycling in the construction and demolition sector.
6	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	On-site separation is not always happening properly –materials are sent to landfill because of lack of information,resources, or buy-in by construction industry	Many ideas received during idea generation engagement included ways to improve recycling in the construction and demolition sector.
7	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	It costs more to recycle C&D materials than to dispose ofthem.	Many ideas received during idea generation engagement included ways to improve recycling in the construction and demolition sector.
8	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	More affordable options within the region for source separation and disposal are needed	This idea was considered as a potential action and was incorporated into the options analysis process.
9	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Reuse and recycling of C&D waste does not seem competitive when in many cases landfilling is a more readily available and affordable option even in the case of out-of-region landfills	Many ideas received during idea generation engagement included ways to improve recycling in the construction and demolition sector, including mechanisms to provide incentives.
10	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Deconstruction and other solutions are expensive – the construction industry is already burdened with high costs	Many ideas received during idea generation engagement included ways to improve recycling in the construction and demolition sector, including expanding deconstruction.
11	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Lack of infrastructure for moving towards a circular economy: Historically pulp and paper industry was taking the wood waste but more forest industry facilities have been closing down	Many ideas received during idea generation engagement spoke to imroving markets for recycled material.
12	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Government could allow for C&D waste to be used as a source for bioenergy or bio-materials by facilitating and funding the processes that promote circular economy in general	This idea was considered as a potential action and was incorporated into the options analysis process.
13	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	With no where to take material, we still see material going to unlicensed facilities creating environmental liabilities for all parties. There are risks to the companies who take materials as they could be required to pay for the clean-up and subject to fines from the Ministry of Environment and Climate Change Strategy	The updated solid waste management plan will include a regulatory strategy which sets out priorities for improving the existing regulatory framework.
14	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Declining market for fuel switching due to declining pulp and paper industry – also a lack of access to this market for C&D as it is mainly processing forest products	Many ideas received during idea generation engagement spoke to strenghtening markets for recycled material.
15	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	No stable market for recycled wood - Market saturation with an increase in C&D material in an ever-growing region with increasing C&D activity	Many ideas received during idea generation engagement spoke to strenghtening markets for recycled material.
16	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Viability of end markets is not consistent	Many ideas received during idea generation engagement spoke to strenghtening markets for recycled material.

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17	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Lack of an established product market and demand. Current example market is cement kilns which have a limited capacity	Many ideas received during idea generation engagement spoke to strenghtening markets for recycled material.
18	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some of the current challenges for construction and demolition waste management?	Invest in finding the end use markets cases for all types of C&D material	This idea was considered as a potential action and was incorporated into the options analysis process.
19	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Metro Vancouver should raise the price of disposal for C&D waste or stop accepting it altogether	This idea was considered as a potential action and was incorporated into the options analysis process.
20	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Metro Vancouver needs to re-assess tipping fees and see how it impacts where people choose to take C&D materials. The current tipping fee is lower than most private C&D processing facilities.	This idea was considered as a potential action and was incorporated into the options analysis process.
21	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	When Metro Vancouver started accepting C&D waste and wood at transfer stations at a lower price, other facilities that accept and recycle these materials were forced to lower prices to remain competitive	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.
22	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Prices need to be set at a rate that licensed operators can profit and have the certainty they need to invest in new technologies. A suggestion that $300 per tonne would be more required for the market to make a profit.	This idea was considered as a potential action and was incorporated into the options analysis process.
23	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Incentives to encourage wood recycling and reuse of products in new builds	This idea was considered as a potential action and was incorporated into the options analysis process.
24	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Make it easier for people on demolition sites to separate materials	This idea was considered as a potential action and was incorporated into the options analysis process.
25	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Additional fees for purchasing new materials that are not recyclable (EPR)	This idea was considered as a potential action and was incorporated into the options analysis process.
26	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Fund alternative technologies – biocoal, fuel alternatives, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
27	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Easing the regulations that facilitate the energy and fuel generation from C&D wood waste	This idea was considered as a potential action and was incorporated into the options analysis process.
28	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	There is not enough dis-incentive for developers and property owners to demolish a house; the moving of existing houses should be incentivized	Many ideas received during idea generation engagement spoke to providing incentives to encourage reuse and recycling.
29	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	There needs to be a regulatory framework that forces the sorting of C&D waste at the site of demolition	This feedback will be considered in developing a regulatory strategy for the updated plan.
30	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Policies for encouraging source-separation of the material	This idea was considered as a potential action and was incorporated into the options analysis process.
31	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved?	Enforcement can be improved at C&D processing facilities; fines should be levied at existing source separation facilities that are not following guidelines	This idea was considered as a potential action and was incorporated into the options analysis process.
32	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Metro Vancouver to stop accepting C&D waste and let the private industry manage these materials	Most construction and demolition waste in the region is managed by private facilities. Metro Vancouver primarily receives construction and demolition like material in small manually unloaded vehicles delivered by residents or businesses.
33	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Incentivize the private processing facilities within the region	This idea was considered as a potential action and was incorporated into the options analysis process.
34	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Adopt a system of off-site or out of region materials processing opportunities for industry - allow for industry to take materials out of region for processing and then back in for disposal	This idea was considered as a potential action and was incorporated into the options analysis process.
35	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Reduce the cost of entry to the market within the Metro Vancouver region with incentives and partnerships	This idea was considered as a potential action and was incorporated into the options analysis process.
36	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Review current regulations for taking materials out of region	This idea was considered as a potential action and was incorporated into the options analysis process.

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37	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Advance and fund the technologies such as gasification that can convert the C&D wood waste into energy and fuel such as: Electricity ,Aviation fuel or hydrogen, Biomass/Biocoal	This idea was considered as a potential action and was incorporated into the options analysis process.
38	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Develop deconstruction protocols and policy	This idea was considered as a potential action and was incorporated into the options analysis process.
39	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Foster new markets for materials to be reused, repurposed, and diverted	This idea was considered as a potential action and was incorporated into the options analysis process.
40	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Research successful jurisdictions	This idea was considered as a potential action and was incorporated into the options analysis process.
41	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	Alternative technologies to manage C&D waste are 5-10 years away, and this issue is pressing now	This idea was considered as a potential action and was incorporated into the options analysis process.
42	14-May-24	Input and feedback on construction and demolition waste management	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of different solutions?	The site in south Vancouver (Southern Star) requires urgent action – the site is over capacity. Issue: If Southern Star was to shut down it would cause challenges for the construction industry o Likely will have a large clean-up bill and it is unclear who will be responsible	Thank you for the feedback. Metro Vancouver's regulation and enforcement division is aware of issues at this site.
43	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Collaboration between municipalities on operations such as procuring trucks, or collaborating on labour/staffing to address labour shortages, and zero waste best practices information sharing. For smaller municipalities, having some relief in managing day-to-day operations can free up resources to think about and advance initiatives related to waste reduction/prevention at a higher level	This idea was considered as a potential action and was incorporated into the options analysis process.
44	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Smaller municipalities can learn from larger municipalities; on the other hand, smaller municipalities may be more nimble and responsive, and able innovate and try new things	This idea was considered as a potential action and was incorporated into the options analysis process.
45	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Collaboration on a systems level to ensure things are easy for residents to do the preferred action, while ensuring materials received are marketable and can actually go to beneficial use	This idea was considered as a potential action and was incorporated into the options analysis process.
46	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	More consistent programs across jurisdictional boundaries – makes it easier as residents move across the region (examples included cart sizes and how material is collected)	This idea was considered as a potential action and was incorporated into the options analysis process.
47	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Consistent approach to mattress and large item pick up to reduce dumping	This idea was considered as a potential action and was incorporated into the options analysis process.
48	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Coordinated policy approaches to increase reduction and reuse (e.g. C&D waste)	This idea was considered as a potential action and was incorporated into the options analysis process.
49	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Regional approach to service for multi-family instead of private hauling	This idea was considered as a potential action and was incorporated into the options analysis process.
50	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Regionally provided organics/green waste hauling/processing/depots	This idea was considered as a potential action and was incorporated into the options analysis process.
51	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Overall themes of shared infrastructure, resources, education, rules, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
52	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Resilient system	"A solid waste system that is resilient to climate change and future challenges" is one of the guiding principles of the updated solid waste management plan.

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53	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Expand new infrastructure to help manage regional growth/demand and ensure reasonable travel distances to facilities	This idea was considered as a potential action and was incorporated into the options analysis process.
54	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Densification and increased number of people per household is putting pressure on receiving facilities. Facilities are also moving farther away due to cost constraints, which in turn increases travel time and costs for municipalities and ultimately residents	This idea was considered as a potential action and was incorporated into the options analysis process.
55	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Need to protect the land available for facilities and transfer locations, space to sort recyclables, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
56	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	There is a lot of pressure around land use	This idea was considered as a potential action and was incorporated into the options analysis process.
57	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Infrastructure to provide space for reuse is very valuable – for example Urban Repurpose.	This idea was considered as a potential action and was incorporated into the options analysis process.
58	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Build more composting/biosolid dryer facilities for resource recovery	This idea was considered as a potential action and was incorporated into the options analysis process.
59	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Organics composting combined with wastewater sludge	This idea was considered as a potential action and was incorporated into the options analysis process.
60	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Management of material within the region as opposed to transporting materials out of region for processing. This could include waste-to-energy expansion	This idea was considered as a potential action and was incorporated into the options analysis process.
61	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Advance reuse and recycling of material in local markets (C&D, plastic, organics, concrete/asphalt)	This idea was considered as a potential action and was incorporated into the options analysis process.
62	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Pop-up zero waste centres	This idea was considered as a potential action and was incorporated into the options analysis process.
63	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Make it easy. Perhaps curbside donation pick-up.	This idea was considered as a potential action and was incorporated into the options analysis process.
64	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Need for circular economy, quality materials/products that last, and repairing items rather than disposing. Everything is valued, and the rest is energy.	This idea was considered as a potential action and was incorporated into the options analysis process.
65	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Elimination of waste – not producing waste in the first place. Consider municipal/regional actions that support waste prevention.	This idea was considered as a potential action and was incorporated into the options analysis process.
66	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Clear information and education for the public	This idea was considered as a potential action and was incorporated into the options analysis process.
67	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Specifically education on food waste reduction, environmental impacts of food waste	This idea was considered as a potential action and was incorporated into the options analysis process.
68	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Need new space guidelines for solid waste/recycling management in multi-unit residential buildings, as more recycling streams have been introduced over time	This idea was considered as a potential action and was incorporated into the options analysis process.

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69	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Have a means for C&D actually processed to be reported out	This idea was considered as a potential action and was incorporated into the options analysis process.
70	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Energy from residual waste is optimized to support climate goals	This idea was considered as a potential action and was incorporated into the options analysis process.
71	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Focus on large scale actions rather than individual actions	The solid waste management plan will focus on actions to be completed by Metro vancouver, but may include encouraging individual action to further waste reduction and recycling.
72	7-Jun-24	Metro Vancouver Conference Day – Solid Waste Management Plan Workshop	Regional Engineers Advisory Committee	Member Jurisdiction Staff	What actions can build on our success to improve infrastructure and systems for waste management across the region?	Better understanding of material flows to help evaluate and plan	This idea was considered as a potential action and was incorporated into the options analysis process.
73	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What is currently working well?	Increased availability of recycling options for different streams	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
74	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What is currently working well?	In our region, there are options for recycling challenging products like polystyrene and soft plastics	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
75	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What is currently working well?	Availability of recycling and waste centres help capture more recyclable materials	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
76	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What is currently working well?	Better access for plastics and paper recycling compared to organics	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
77	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What is currently working well?	Accessibility and convenience of recycling depots (one-stop shop approach)	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
78	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What is currently working well?	Ability to collect materials (curbside blue bin, commercial/industrial); there is accessibility	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
79	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What is currently working well?	Free furniture pick-up systems for residents (Facebook Marketplace, Craigslist)	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
80	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What is currently working well?	On the recycling side - open competitive market drives good competition	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
81	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	When contamination enters stream, the challenge is to separate materials and manage the contamination	Metro Vancouver will consider this feedback when implementing the plan.
82	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Lack of understanding of and regulation on source-separation; people get confused	Make it easier to recycle effectively is one of the goals in the plan update.
83	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	“Wish-cycling”: people hope something can be recycled so they put it in recycling, which creates more problems in the system	Make it easier to recycle effectively is one of the goals in the plan update.
84	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Educate and reduce contaminated loads. Can't trace back to specific trucks. MV staff do not track down source of contamination. Results in increased investment into reducing contamination in loads. Impacts product quality, and ultimately market uptake	This idea was considered as a potential action and was incorporated into the options analysis process.
85	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Challenges with receiving materials that people don’t know what to do with, so they throw into the compactor, which creates a problem. There is a difference between what “can” vs. “what is” being recycled effectively at processing facilities	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
86	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	In-region vs. out-of-region processing .What is real carbon footprint of in-region vs. out-of region compost (e.g. North shore traffic). Fraser valley (e.g. Abbotsford, Chilliwack) closer to end user. In-region not necessarily better. There is a lack of facilities to deliver compostable materials for processing; challenging to meet the high threshold and limited local capacity	This isdea was considered as a potential action and was incorporated into the options analysis process.

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87	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	For organics, out-of-region transportation appears to be only solution (very costly)	Metro Vancouver continues to encourage organics processing capacity in the region and seek the most cost effective solution for residents.
88	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Lack of available processors for materials (certain kinds of plastics, organics)	Noted
89	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Lack of processing capacity for bulky items (furniture)	Noted
90	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Encourage reuse and exchange of materials	This idea was considered as a potential action and was incorporated into the options analysis process.
91	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Need consistent end markets and market price, which is not the case for majority of plastics and other materials today.	This idea was considered as a potential action and was incorporated into the options analysis process.
92	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Markets for these products/materials are difficult to find; difficult to know where to take these products. Makes it unprofitable/difficult to do, costly for ratepayer	Noted
93	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Profitability of recycling – if loads are contaminated, then it doesn't work. Heavily contaminated bins can't be recovered and become waste	Noted
94	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Products that work well – ones with proven markets – are designed for recyclability, flexible packaging (examples: PET Clear bottles) – issue with some products is that they look "boring" on the shelf; enhancing packaging design could help incentivize greater uptake on product recycling	Noted
95	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Different types of bins at construction sites would be helpful for sorting at source, but usually there isn't the required footprint to facilitate	This idea was considered as a potential action and was incorporated into the options analysis process.
96	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Prioritize extended producer responsibility (EPR) for compliance	This idea was considered as a potential action and was incorporated into the options analysis process.
97	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Role of Metro Vancouver. Ensuring regulator is not competitor. Hearing of RFPs/RFQs for Metro Vancouver organics or C&D facilities causes more uncertainty for investment. To create more capacity, improve service, add technology, reduce residuals to landfill, we need to create regulatory certainty of the market	Roles and responsibilities will be clarified in the updated solid waste management plan. Metro Vancouver's approach to regulation will be included in the plan's regulatory strategy. Metro Vancouver will intends to continue meeting with the solid waste and recycling industry advisory committee to discuss issues of interest.
98	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Ensure level playing field (through regulation)	This idea was considered as a potential action and was incorporated into the options analysis process.
99	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Federal plastics prohibition does not take into consideration some of the market complexities, for example, flexible plastics bags in BC had recycling options	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
100	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	More legislation is needed for compostable plastic materials; compostable plastics are difficult for plastics processors to recycle	This idea was considered as a potential action and was incorporated into the options analysis process.
101	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Need to understand barriers to develop infrastructure	This idea was considered as a potential action and was incorporated into the options analysis process.
102	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Regulatory environment . Creating more capacity/improvements to current process/access to technology	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
103	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	More transparency needed on what happens to organic and recyclable materials after they are collected	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
104	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Zoning and licencing make it difficult to site organics processing facilities.	Noted

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105	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Land use. Difficult, costly, and competitive to develop land. Metro Vancouver making land available could level the playing field. Same issue as for Construction and Demolition. Developing recycling requires land and cost	Noted
106	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Environmental challenges to find sites for processing of organics	Environmental stewardship is included in the guiding principles for the updated plan.
107	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Cost of land to successfully increase processing capacity	Noted
108	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Collection of materials from commercial/institutional and construction and demolition sectors. Lack of space for containers	Noted
109	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What could be improved? What should be prioritized?	Investment in AI/technology could improve quality of product	This idea was considered as a potential action and was incorporated into the options analysis process.
110	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Identify materials that are effectively recycled, and focus on ensuring those are separated effectively	This idea was considered as a potential action and was incorporated into the options analysis process.
111	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Focus on recyclables that have a viable market	This idea was considered as a potential action and was incorporated into the options analysis process.
112	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Provide more information about what can/can't be recycled to get cleaner streams – more valuable material going toward recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
113	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Need capacity for pre-sorting prior to materials going to processing facility – need a system to take contamination out even after 'source separation' from residents and businesses, as contamination still exists. Pricing needs to also reflect this extra step	This idea was considered as a potential action and was incorporated into the options analysis process.
114	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Stop telling public to recycle something that can't be recycled effectively at the existing processing facilities with existing markets	This idea was considered as a potential action and was incorporated into the options analysis process.
115	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Education is important; mostly needed on the commercial and multi-family side; residential is not as much an issue	This idea was considered as a potential action and was incorporated into the options analysis process.
116	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Metro Vancouver/member jurisdictions should have mandates to use compost material (e.g. wood chips) to drive end markets to allow recycling operations to flourish. Don't own/operate, but drive end markets	This idea was considered as a potential action and was incorporated into the options analysis process.
117	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Need stable environment to allow competition to occur at pricing that can allow a business to get an adequate return	This idea was considered as a potential action and was incorporated into the options analysis process.
118	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	More leadership from all levels of government is needed to provide more regulatory certainty	This idea was considered as a potential action and was incorporated into the options analysis process.
119	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Focus efforts on behavioural change, instead of where processing occurs (in, or out, or region)	This idea was considered as a potential action and was incorporated into the options analysis process.
120	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Improving quality of material and adopting innovation. Consider AI solutions (e.g. for organics). Automatically notifies the correct address. Include these things in RFPs/bylaws	This idea was considered as a potential action and was incorporated into the options analysis process.
121	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Provide tax incentives for producers that incentivize design for recyclability	This idea was considered as a potential action and was incorporated into the options analysis process.
122	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Create more capacity/improvements to current process/access to technology	This idea was considered as a potential action and was incorporated into the options analysis process.
123	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	There are still a lot of consumer products that are not recyclable that create contamination; need policy/requirements for products to ensure packaging is all recyclable	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
124	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Appropriate mix of incentives and penalizations for producers who do no follow rules/regulations ("carrot and stick")	This idea was considered as a potential action and was incorporated into the options analysis process.

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125	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Metro Vancouver working with municipalities on licencing of organics processing facilities. Expedite process or other incentives. Partnerships to find beneficial uses	This idea was considered as a potential action and was incorporated into the options analysis process.
126	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Better ways to separate clean wood from demolition loads that can be financially beneficial	This idea was considered as a potential action and was incorporated into the options analysis process.
127	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Improve reporting from facilities and data tracking	This idea was considered as a potential action and was incorporated into the options analysis process.
128	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Include recycled materials in procurement for new builds; there is a need to require an amount of recycled/reused materials	This idea was considered as a potential action and was incorporated into the options analysis process.
129	11-Jun-24	Input and feedback on recycling and organics capacity and product markets	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are some examples of potential solutions? Are there additional things we should be considering?	Develop a notification system for haulers who may be collecting from producers who are known to break rules	This idea was considered as a potential action and was incorporated into the options analysis process.
130	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Invest in upgrading existing facilities, work with what we have – focus on recovery and sorting of materials	This idea was considered as a potential action and was incorporated into the options analysis process.
131	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Invest in additional equipment – compactors	This idea was considered as a potential action and was incorporated into the options analysis process.
132	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Prioritize getting recyclable materials out of the waste stream	This idea was considered as a potential action and was incorporated into the options analysis process.
133	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Look at the long-term capability of Waste-to-Energy Facility and the rationale of expanding with District Energy	This idea was considered as a potential action and was incorporated into the options analysis process.
134	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Incineration is an alternative to landfill within the region when considering land availability and development costs. Understanding that there is opposition to incineration as well.	A solid waste system that is resilient to future challenges is one of the guiding principles of the updated solid waste management plan. Considerations for guiding future residuals management decisions are expected to be included in the updated plan.
135	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	No further expansion of the landfill – opinion that the general public does not want that	This idea was considered as a potential action and was incorporated into the options analysis process.
136	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Need to look at other options to expand on organics disposal and processing site options.	This idea was considered as a potential action and was incorporated into the options analysis process.
137	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Current challenges: There are a lot of organics in the region to deal with and this will only increase – a lot of organics are not being recycled due to lack of processing capacity and technology and high cost.	A solid Waste system that is resilient to future challenges is one of the guiding principles of the updated solid waste management plan.
138	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Encourage private investment in recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
139	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Develop sustainable end-use markets for recyclable materials	This idea was considered as a potential action and was incorporated into the options analysis process.
140	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Increase capacity and reduce or eliminate the need to ship waste out of the region by incentivizing development of new licensed private facilities	This idea was considered as a potential action and was incorporated into the options analysis process.
141	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Need more construction and demolition waste disposal and recycling facilities	This idea was considered as a potential action and was incorporated into the options analysis process.
142	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Re-use infrastructure and programs that stimulate end-use markets	This idea was considered as a potential action and was incorporated into the options analysis process.
143	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Avoid any new public investment in developing infrastructure	This idea was considered as a potential action and was incorporated into the options analysis process.
144	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What infrastructure is most important for Metro Vancouver to prioritize for public investment?	Prioritize dedicated reuse infrastructure to help grow circular economy	This idea was considered as a potential action and was incorporated into the options analysis process.

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145	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Suggest Metro Vancouver sell all facilities and allow the private sector to purchase the facilities. Metro Vancouver will regulate, the private sector will manage and operate.	This idea was considered as a potential action and was incorporated into the options analysis process.
146	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Allow the private sector to develop infrastructure: Increase competitive space in the market (for industry) and accelerated licensing timelines for new facilities and services	This idea was considered as a potential action and was incorporated into the options analysis process.
147	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Align with regional/municipal goals while working with the private sector to develop infrastructure	This idea was considered as a potential action and was incorporated into the options analysis process.
148	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Avoid public investment in infrastructure that can be replicated by private industry	This idea was considered as a potential action and was incorporated into the options analysis process.
149	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Private sector should be leading the way; providing capital and taking the risk – leading with innovation	Noted
150	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Set up a percentage of fees to be collected for research and development (private sector to spearhead R&D)	This idea was considered as a potential action and was incorporated into the options analysis process.
151	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Prioritize innovation to reduce waste	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
152	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Need more collaboration in the future – can learn from New York City and London, UK.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
153	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Streamline procurement processes to lower overhead and decrease timelines	This idea was considered as a potential action and was incorporated into the options analysis process.
154	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	The private sector should be leading infrastructure development within a framework regulated by Metro Vancouver	This idea was considered as a potential action and was incorporated into the options analysis process.
155	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How should the private sector be involved in infrastructure development for the region?	Surrey Biofuel is an example of successful private investment in infrastructure development, working with government to deliver the service.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
156	9-Jul-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Additional comments	Requirements of Bylaw 181 and the amended Tipping Fee Bylaw make infrastructure development more difficult for industry vs. Metro Vancouver	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
157	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are your thoughts on the generator levy?	Understand the intent, but it seems overly complicated	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
158	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are your thoughts on the generator levy?	Seems like a tax might work better rather than asking haulers to collect and remit	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
159	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are your thoughts on the generator levy?	Recyclers benefit from a higher garbage tipping fee as it incentivizes recycling	Minimize waste generation is a goal for the plan update.
160	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are your thoughts on the generator levy?	Questions related to changing the current system, if we didn't have the generator levy: - Who will take on the burden of social change initiatives, if not the public entity funding such initiatives (through generator levy)? - Who will build recycling depots?	Noted
161	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What are your thoughts on the generator levy?	Generator levy is important to fund the system but should be funding work to create regulations that restrict materials from being disposed and invest in technology for source-separation.	This feedback will be considered in developing a regulatory strategy for the updated plan.
162	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What does it accomplish?	Prevents the flow of waste outside the region by making it more costly to dispose of waste outside of Metro Vancouver	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
163	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What does it accomplish?	Discourages use of less costly private sites	Noted
164	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What does it accomplish?	Generator levy is important as it helps to fund recycling initiatives such as mattress recycling, education, and behaviour change campaigns	Keep materials in use as long as possible is a goal of the plan update.

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165	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What does it accomplish?	Generator levy helps to raise capital funds for the maintenance and development of Metro Vancouver facilities	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
166	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What does it accomplish?	Generator levy helps to pay for the recycling and waste system in Metro Vancouver, but it also stifles innovation and competition	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
167	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What does it accomplish?	Captures loss of revenue if waste is transferred out of the region	Noted
168	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What does it accomplish?	The generator levy is required to avoid taxation to fund the public system	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
169	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What does it accomplish?	Re-use programs are an example of solutions that address gaps in the system, which accompany the current approach led by Metro Vancouver and can be funded by the generator levy	Keep materials in use as long as possible is a goal of the plan update.
170	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What challenges do you see with the generator levy and how could these be addressed?	Metro Vancouver has the advantage of being able to send waste out of the region at a lower rate than private businesses (as private businesses would pay the generator levy on top)	Noted
171	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What challenges do you see with the generator levy and how could these be addressed?	Generator levy's main focus is transferring waste to regional facilities (landfill/waste-to-energy). Instead, prefer to see money go into longer-term processing solutions (e.g. pre-sorting and pulling out some recyclables, equipment, processing capacity)	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
172	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What challenges do you see with the generator levy and how could these be addressed?	Recycling rates are set by the market and it fluctuates a lot; not a lot of money to be made so private companies may not be able to invest.	Noted
173	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What challenges do you see with the generator levy and how could these be addressed?	Neighbouring jurisdictions don't have the same rules so haulers from outside the region can avoid the levy (Metro Vancouver staff note: haulers from outside of the region picking up garbage within Metro Vancouver are obligated to pay the generator levy the same as local haulers).	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
174	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What challenges do you see with the generator levy and how could these be addressed?	No proof of stated benefits that the generator levy increases waste reduction, increases efficiency, and reduces GHG's.	Noted
175	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What challenges do you see with the generator levy and how could these be addressed?	People are not clear on what the levy is, and how it works exactly. A presentation on how it works would be helpful. -Increase transparency on where materials go after being received at Metro Vancouver facilities. -What about residuals from recycling facilities? Is that a loophole? -Explain the provision that prevents the generator levy from being collected twice for the same waste (for example when a private facility sends waste to Metro Vancouver facility)	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
176	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What challenges do you see with the generator levy and how could these be addressed?	Metro Vancouver's comparisons to other jurisdictions are not applicable. For example, private facility rates in Toronto are much lower than the rates charged at City of Toronto facilities.	Noted
177	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How does the generator levy affect competition?	No compelling evidence supporting that the current approach is creating innovation.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
178	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How does the generator levy affect competition?	Creates higher business costs across operations and supply chains.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
179	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How does the generator levy affect competition?	The current price of $145 is not competitive (for private facilities). Metro Vancouver has funds and existing infrastructure, and being both regulator and competitor, it's not fair competition.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
180	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How does the generator levy affect competition?	Comment that Metro Vancouver will not license any private facility to receive municipal waste in the region.	Noted
181	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How does the generator levy affect competition?	Currently haulers end up winning contracts based on proximity to facilities as opposed to other factors	Noted

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182	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How does the generator levy affect competition?	Ensures that only Metro Vancouver can take waste out of the region, which has negatively impacted smaller waste businesses.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
183	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Fees collected at solid waste facilities need to go up to encourage more recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
184	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Cost of the generator levy should be charged upfront (at the point of sale or the beginning of the product life cycle) rather than at the time of disposal; so the payment amount is still based on the level of consumption, but it's at the front end instead of the disposal end. For example: Everyone pays half a cent for items bought – including visitors – so it's not all borne by the residents since visitors create a lot of waste.	This feedback will be considered in developing a regulatory strategy for the updated plan.
185	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Distribute the costs more evenly throughout the system	This feedback will be considered in developing a regulatory strategy for the updated plan.
186	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Incentivize with lower disposal fees on items that are highly recyclable	This idea was considered as a potential action and was incorporated into the options analysis process.
187	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Put in a mechanism to report tonnage for private transfer stations and use that to fund the public regulatory system	This idea was considered as a potential action and was incorporated into the options analysis process.
188	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Politically, it would be better to have a higher levy so those costs are baked into the services provided to municipalities	This feedback will be considered in developing a regulatory strategy for the updated plan.
189	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Look at what Singapore, Taiwan, and other high-density populations where there's a lot of waste generation potential. Are there takeaways we can adopt?	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
190	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Less government intervention/input; the private sector can be more nimble than the regional district or the province.	This idea was considered as a potential action and was incorporated into the options analysis process.
191	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Standardize requirements through provincial regulation – need legislation passed to establish a broader approach to long term waste management	This idea was considered as a potential action and was incorporated into the options analysis process.
192	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Look at how we're spending the money now, to help analyze how effectively the funds are being used; is there a way we can manage the money from generator levy better to increase value from our efforts? Example: San Francisco's disposal rate high because they apply a levy on waste, take money back from the levy and apply the surplus to subsidize recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
193	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Suggest Metro Vancouver put regional facilities up for auction and focus on regulating and compliance. Let private industry manage facilities and provide services.	This idea was considered as a potential action and was incorporated into the options analysis process.
194	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	What alternative regulatory approaches could be considered for Metro Vancouver?	Suggest a hybrid version where private sector can accept waste, pay a discounted generator levy to acknowledge their investment in infrastructure, and must accept the same materials as Metro Vancouver sites	This idea was considered as a potential action and was incorporated into the options analysis process.
195	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Additional Comments	Consistent political lobbying is needed within the industry	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
196	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Additional Comments	Our priority must be to remove recyclables from the waste. Focus on creating and enforcing restrictions and regulations that support resource recovery.	This idea was considered as a potential action and was incorporated into the options analysis process.
197	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Additional Comments	Government/Metro Vancouver does not have private sector expertise to effectively innovate and develop infrastructure.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
198	10-Sep-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Additional Comments	Invest in and fund more diversion technologies and projects.	This idea was considered as a potential action and was incorporated into the options analysis process.
199	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What are the main actions you take to eliminate waste?	"No New Things" challenge – reduce consumption by borrowing, extending use, repairing/mending	Minimize waste generation is a goal for the plan update.

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200	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What are the main actions you take to eliminate waste?	Reduce packaging	Minimize waste generation is a goal for the plan update.
201	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What are the main actions you take to eliminate waste?	Buy second-hand clothing and furniture, and upcycle items	Keep materials in use as long as possible is a goal of the plan update.
202	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What are the main actions you take to eliminate waste?	Reduce plastic use	Minimize waste generation is a goal for the plan update.
203	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What do you see as the primary challenges or barriers we face in addressing: Rethinking and preventing waste?	Plan and implement changes in people's behaviour. Example of behaviour change initiatives implemented by Metro Vancouver: Superhabit campaign – reducing single use items in daily life, Christmas campaign – rethinking gifts and not creating more wastes	This idea was considered as a potential action and was incorporated into the options analysis process.
204	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What do you see as the primary challenges or barriers we face in addressing: Rethinking and preventing waste? Enhancing accountability for eliminating waste?	Advocate for stronger leadership from politicians about preventing waste and raising awareness of costs of waste	This idea was considered as a potential action and was incorporated into the options analysis process.
205	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What do you see as the primary challenges or barriers we face in addressing: Rethinking and preventing waste? Enhancing accountability for eliminating waste?	Focus on the education and collaboration to bring out the message of personal consumption awareness and culture change	This idea was considered as a potential action and was incorporated into the options analysis process.
206	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What do you see as the primary challenges or barriers we face in addressing: Rethinking and preventing waste? Enhancing accountability for eliminating waste?	Regulation to limit certain types of waste can sometimes have unintended consequences of leading to different types of waste being generated, as business find work-around solutions	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
207	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What do you see as the primary challenges or barriers we face in addressing: Rethinking and preventing waste? Enhancing accountability for eliminating waste?	Consider financial incentives to drive desired behaviours	This idea was considered as a potential action and was incorporated into the options analysis process.
208	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What do you see as the primary challenges or barriers we face in addressing: Rethinking and preventing waste? Enhancing accountability for eliminating waste?	Improve accessibility for residential (e.g., shared housings) and small commercial venues (e.g., some rubbish rooms currently are not fully accessible to people in wheelchairs, or the bins are too small, which have higher rate of recyclable items going into the garbage).	This idea was considered as a potential action and was incorporated into the options analysis process.
209	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What do you see as the primary challenges or barriers we face in addressing: Rethinking and preventing waste? Enhancing accountability for eliminating waste?	Members are interested to learn more about breakdown of diversion rate on commercial side	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
210	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	Thinking of the current system, what is working well and should not be changed when thinking of: Enhancing accountability for eliminating waste? What is going well and could be expanded	The EPR (Extended Producer Responsibility) system is working well.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
211	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	Thinking of the current system, what is working well and should not be changed when thinking of: •Rethinking and preventing waste? •Enhancing accountability for eliminating waste? What is going well and could be expanded	The number of recycling & waste centres in Metro Vancouver is impressive.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.

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212	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	Thinking of the current system, what is working well and should not be changed when thinking of: •Rethinking and preventing waste? •Enhancing accountability for eliminating waste? What is going well and could be expanded on?	Surrey has a large-item pickup program that works well	Noted
213	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What types of information would be most helpful for you in furthering your understanding of: •Rethinking and preventing waste? •Enhancing accountability for eliminating waste? •Meaning – do you have any questions about this topic that Metro Vancouver may be able to answer for you?	The ways of presenting information is also important	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
214	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What types of information would be most helpful for you in furthering your understanding of: •Rethinking and preventing waste? •Enhancing accountability for eliminating waste? •Meaning – do you have any questions about this topic that Metro Vancouver may be able to answer for you?	More information/measures to prevent contamination in multi-family garbage area are needed -Metro Vancouver has bin-signage on the website, which can be printed and used in multi-family buildings and on trucks	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
215	11-Sep-24	SPEC-ZWC Meeting	Society Promoting Envionmental Conservation (SPEC)	NGO/non-profit and environmental stewardship groups	What are some ways to engage with Metro Vancouver residents on waste prevention and accountability? How would you or your community like to receive communications about solid waste?	Centralize information sources – make it consistent and easier for the public to find information and look for resources. Different sources with different answers are creating confusion for the public.	This idea was considered as a potential action and was incorporated into the options analysis process.
216	16-Sep-24	Meeting Summary	RAAC	Local Government		Summary: Feedback included an emphasis on affordability - ensure to highlight this more prominently in the guiding principles. And also asked questions about MV's future role in providing organics processing capacity	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
217	17-Sep-24	Email sumbission	Proactiv Hazmat and Environmental	Waste Industry		Would like to know if the goal is to reduce waste entirely or come up with better solutions for waste. As of right now, we transport a lot of Hazardous waste our to Alberta as nowhere in the lower mainland accepts Asbestos Drywall. Is this an avenue metro Vancouver is looking into in order to reduce costs, lower the probability of waste not being disposed of correctly and boost BC economy?	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
218	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are the main actions you take to eliminate waste?	Recycle home supplies and shop at thrift stores. Sort through what I have, and donate to second-hand stores so that others can use it. Recycle home supplies.	Keep materials in use as long as possible is a goal of the plan update.
219	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are the main actions you take to eliminate waste?	Separate paper, plastic, garbage and compost as much as I can. Reuse bottles.	Keep materials in use as long as possible is a goal of the plan update.
220	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are the main actions you take to eliminate waste?	Recycle items at home. Maybe someone else can use it. Separate waste.	Keep materials in use as long as possible is a goal of the plan update.
221	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are the main actions you take to eliminate waste?	Carry reusable bags.	Keep materials in use as long as possible is a goal of the plan update.
222	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are the main actions you take to eliminate waste?	Recycle and repair furniture.	Keep materials in use as long as possible is a goal of the plan update.
223	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	A lot of people just don't know! I've seen and met people in condos who have no idea how to dispose of waste.	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
224	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Packaging - some packages can't be reused or recycled e.g veggie bags	Minimize waste generation is a goal for the plan update.
225	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Plastic packaging! There is thin plastic packaging everywhere.	Minimize waste generation is a goal for the plan update.
226	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	People just dispose of things in the alley. People don't want to waste money so they just throw it away.	Make it easier to recycle effectively is one of the goals in the plan update.
227	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Public knowledge isn't widely known about how to divert waste. Kids are great, adults have no idea.	Make it easier to recycle effectively is one of the goals in the plan update.

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228	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Apartment buildings don't have a good infrastructure to support waste diversion.	Make it easier to recycle effectively is one of the goals in the plan update.
229	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	There needs to be a better recycling system for; cups and mattresses.	Make it easier to recycle effectively is one of the goals in the plan update.
230	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Things are not made to be fixed. Things are made to be disposed. Electronics are a great example, because we no longer take them to a store to be fixed, you have to either return to a manufacturer or dispose of it.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
231	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could metro do to address these challenges?	Furniture and clothes being shown out due to an outbreak of bed bugs.	Metro Vancouver will consider the implications noted when developing solutions to reduce furniture and clothing waste.
232	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could metro do to address these challenges?	Increase advertisement of waste systems. E.g. YouTube, and not just online, but with posters and person-to-person.	This idea was considered as a potential action and was incorporated into the options analysis process.
233	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could metro do to address these challenges?	Education programs on where folks can go to fi x, buy or recycle things.	This idea was considered as a potential action and was incorporated into the options analysis process.
234	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could metro do to address these challenges?	In-person meetings where people can come to attend and learn about the waste systems and how to be a more active participant in waste diversion.	This idea was considered as a potential action and was incorporated into the options analysis process.
235	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	Let haulers be a part of the solution. Education the public on the rounds.	This idea was considered as a potential action and was incorporated into the options analysis process.
236	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	Incentives for reuse e.g. coffee cups and building more drop off locations.	This idea was considered as a potential action and was incorporated into the options analysis process.
237	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	News advertisements - get stories on the news to promote waste disposal. Build a new media campaign.	This idea was considered as a potential action and was incorporated into the options analysis process.
238	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	Local orgnaiziations, local buildings, local binners	This idea was considered as a potential action and was incorporated into the options analysis process.
239	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	Promote to big chain restaurants to reduce packaging and get them to be a part of the advertisement	This idea was considered as a potential action and was incorporated into the options analysis process.
240	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Knowledge gaps and communications	Feedback on the updated plan	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
241	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Knowledge gaps and communications	Clear labeling on products, on how to recycle products, clarify on what is in products/product packaging.	This idea was considered as a potential action and was incorporated into the options analysis process.
242	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Knowledge gaps and communications	Businesses need to take responsibility for their products and their end life.	This idea was considered as a potential action and was incorporated into the options analysis process.
243	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are some ways to engage with residents?	Online Through waste haulers In-person Newspapers Local organizations Physical presence e.g speaking at a binners' meeting Pop up booths	Noted
244	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Is there anything else you'd like to add?	Need for more consultations. Update throughout the year on the plan update.	Noted
245	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Is there anything else you'd like to add?	Simplify the waste system! Offer more clarification	This idea was considered as a potential action and was incorporated into the options analysis process.
246	2-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Is there anything else you'd like to add?	Get the media involved!	This idea was considered as a potential action and was incorporated into the options analysis process.
247	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Networks for reusing common items (e.g., social network groups, apps, etc.) Make the networks convenient and inclusive, remove time and location constraints. Consider creating hubs for reuse (must be curated to prevent from becoming junk piles)	This idea was considered as a potential action and was incorporated into the options analysis process.

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248	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Use robots/automation and AI to sort garbage, reduce contamination, and refuse items that are reusable	This idea was considered as a potential action and was incorporated into the options analysis process.
249	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Making projects from waste and organize volunteer opportunities	This idea was considered as a potential action and was incorporated into the options analysis process.
250	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Improve school based education: -Host workshops and info sessions on waste reduction -Add more clean-up programs for schools -Share instruction and promote how to recycle food waste – posters, videos, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
251	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Educate the public about separating waste and improve accessibility	This idea was considered as a potential action and was incorporated into the options analysis process.
252	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Advocate and make the public aware of future impact of behaviours around waste	This idea was considered as a potential action and was incorporated into the options analysis process.
253	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Make Repair Cafes more accessible	This idea was considered as a potential action and was incorporated into the options analysis process.
254	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Give access to compost to create soil fertilizer from excessive food scraps	This idea was considered as a potential action and was incorporated into the options analysis process.
255	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	At school: Increase visibility/accessibility to recycle by having waste bins in more visible areas	This idea was considered as a potential action and was incorporated into the options analysis process.
256	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Apply a tax to all waste that is generated and disposed	This idea was considered as a potential action and was incorporated into the options analysis process.
257	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Use bylaws and enforcement to minimize unwanted actions/contamination	This idea was considered as a potential action and was incorporated into the options analysis process.
258	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Ban plastic materials	This idea was considered as a potential action and was incorporated into the options analysis process.
259	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Make it illegal to throw electronics in the trash – must be recycled at licensed facilities	This idea was considered as a potential action and was incorporated into the options analysis process.
260	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Avoid batteries going in the garbage/landfill by enforcement (penalty/fine)	This idea was considered as a potential action and was incorporated into the options analysis process.
261	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Recycle all materials that can be recycled	This idea was considered as a potential action and was incorporated into the options analysis process.
262	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Use glass cans instead of tin cans, which are easier to reuse (smelt down)	This idea was considered as a potential action and was incorporated into the options analysis process.
263	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Replace plastic materials with paper materials in daily life to reduce plastic waste and make it easier for recycle and reuse	This idea was considered as a potential action and was incorporated into the options analysis process.
264	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Use reusable cutlery instead of single-use	Keep materials in use as long as possible is a goal of the plan update.
265	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Use personal reusable containers for takeout	Keep materials in use as long as possible is a goal of the plan update.
266	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Use honey bee wrap (reusable) instead of plastic wrap	Keep materials in use as long as possible is a goal of the plan update.
267	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Give discounts for people who bring their own containers for take out or shopping	This idea was considered as a potential action and was incorporated into the options analysis process.
268	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Prioritize buying and consuming only what we need	Minimize waste generation is a goal for the plan update.
269	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Donate excessive clothes, food, etc.	Keep materials in use as long as possible is a goal of the plan update.

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270	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Make things last longer and use things as long as possible	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
271	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Repair items rather than disposing	Keep materials in use as long as possible is a goal of the plan update.
272	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Implement measures to reduce food waste such as: encouraging food businesses to sell near-expiry food at discounts	This idea was considered as a potential action and was incorporated into the options analysis process.
273	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Plan meals and shopping to minimize food waste	Minimize waste generation is a goal for the plan update.
274	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Rethink garbage and waste which go into the oceans, keep animals and humans safe	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
275	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Support R&D to reveal new ideas/approaches to waste management (e.g. packaging)	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
276	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Manage where waste goes and find ways to rethink waste management	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
277	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Look toward using what is unique about our region to our advantage (land, geographies, topography, etc.)	This idea was considered as a potential action and was incorporated into the options analysis process.
278	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	Look for ways to reduce landfill mass or even new ways to breakdown waste in landfill (e.g., chemicals, micro-organisms to breakdown not only organic materials but also non-organic ones)	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
279	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to rethink and prevent waste in the first place?	More opportunities for reusing/repairing	This idea was considered as a potential action and was incorporated into the options analysis process.
280	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	No time for homecooked meal	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
281	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	Affordability	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
282	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	Distance	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
283	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	It takes more effort to recycle (easier to just put all in garbage rather than sorting)	Make it easier to recycle effectively is one of the goals in the plan update.
284	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	People don't always know how to sort	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
285	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	Limited number of recycling sites (the farther away they are, the less motivated people will be to come)	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
286	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	Composting may attract unwanted insects/pests	Noted
287	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	Available options are limited (e.g., most public places/workplaces only have one garbage bin rather than having also other bins like recyclable and green bins)	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
288	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	People don't think their actions will make a difference	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
289	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Problems	Bottle deposits only give 5 cents each, which is not enough to motivate	Make it easier to recycle effectively is one of the goals in the plan update.

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290	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	Leverage trendy social platforms (e.g. tiktok)	This idea was considered as a potential action and was incorporated into the options analysis process.
291	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	Invest in education	This idea was considered as a potential action and was incorporated into the options analysis process.
292	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	Make bike-friendly cities (like those in Europe) – leads to overall behavior shift that affects all systems	Environmental stewardship and climate action is included in the guiding principles for the updated plan.
293	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	incentives to people for bringing recyclable materials to designated sites	This idea was considered as a potential action and was incorporated into the options analysis process.
294	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	More clear labeling on materials (with more informative instruction/images that explain how to recycle)	This idea was considered as a potential action and was incorporated into the options analysis process.
295	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	Have instruction to proper disposal be attached to the product packaging of products like propane tanks, mattresses, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
296	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	Build more recycling sites – make them more accessible and located within busy neighbourhoods, not on the outskirts	This idea was considered as a potential action and was incorporated into the options analysis process.
297	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	Utilize technologies (e.g., smart trashcans that can sort automatically)	This idea was considered as a potential action and was incorporated into the options analysis process.
298	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	Implement regular large items pickup programs (Xmas tree, mattress, TVs, etc.)	This idea was considered as a potential action and was incorporated into the options analysis process.
299	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	Media ads to inform the public about the existence of solid waste services	This idea was considered as a potential action and was incorporated into the options analysis process.
300	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	What actions can help to increase participation in organics and recycling programs?	Send presenters to schools to educate kids directly	This idea was considered as a potential action and was incorporated into the options analysis process.
301	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Why can't the government make more smart trash cans that sorts the trash for you?	This idea was considered as a potential action and was incorporated into the options analysis process.
302	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Why can't the government raise the bottle deposit to $1 or $2 dollars (to encourage recycling)?	This idea was considered as a potential action and was incorporated into the options analysis process.
303	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Should the government be more involved? Or should the responsibility be more on the individual?	All parties have a responsibility. Accountability from residents, businesses and governments to prevent waste is a guiding principle for the plan update.
304	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Is it plausible to create a reward system for recycling?	This idea was considered as a potential action and was incorporated into the options analysis process.
305	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Are you allowed to give recommendations to the government about the waste that's produced every day?	Metro Vancouver regularly has conversations with other levels of government, including the province and member jurisdictions.
306	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	What stops the government from increasing the bottle deposit fee?	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
307	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	How can homeless people be more sustainable?	Noted
308	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Why haven't we adopted methods from other countries? The same way we are ethnically diverse.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
309	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	What are some partners that Metro Vancouver works with on waste management?	Solid waste management in Metro Vancouver includes close collaboration with many different organizations, including First Nations, member jurisdictions,adjacent regional districts, businesses, institutions, non-profit organizations, and the solid waste and recycling industry.

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310	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	What are some ways that I can inform my community about reducing waste?	Metro Vancouver regularly publishes waste composition and recycling data on its website. This is a great resource for sharing information on how the region is doing with respect to waste reduction and recycling.
311	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Although education is good, some people don't want to listen for over an hour, what options are there to educate?	Metro Vancouver produces several behaviour change campaigns which provides digestable information in a variety of formats.
312	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	What are the strategies that you already started implementing in communities in terms of recycling and sustainability?	Metro Vancouver's annual and biennial solid waste reports provide a summary of key initiatives undertaken, with the biennial report providing a summary since approval of the existing solid waste management plan in 2011.
313	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Future for the smart trashcans – what does that look like?	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
314	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Is it possible to create a biological system/process within a landfill with chemicals and microbes together to break down non-organic items?	Metro Vancouver prioritizes rethinking, reducing and reusing material over disposal, and recycling material that is no longer suitable for use.
315	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Can we use the landfill for any type of waste and garbage?	Some types of waste require certified disposal in a waste-to-energy facility, or may need to be managed at specialized facilities.
316	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	If food is the biggest household waste, what is the biggest waste overall in the world?	Metro Vancouver does not have this information.
317	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	What is the recycling process?	The recycling process varies for different materials. RecycleBC provides great information on what happens to typical curbside recyclables on their webpage.
318	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	If Vancouver is a good recycler then why do we send trash to the USA?	Disposal capacity in the region is limited and a small proportion of waste must be sent to contingency landfills, some of which are currently located in the USA. Contingency landfills are determined through competitive procurement and may change over time.
319	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Is there a way to donate old electronics to people who want to fix them?	Many municipalities and organizations around the region offer repair cafes where people with the skills to repair items can help repair those items to be used again.
320	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Why don't we use plastic bottles to make new plastic bottles?	It is up to producers to determine the quantity of recycled content in their products.
321	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	How are materials recycled?	The recycling process varies for different materials. RecycleBC provides great information on what happens to typical curbside recyclables on their webpage.
322	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	How can we make thrift stores less costly? At Value Village a shirt is $20, it's cheaper to buy new.	This idea was considered as a potential action and was incorporated into the options analysis process.
323	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	I saw a lot of electronics at the landfill, is it all unusable? If not, what could we do with these items?	Electronics should be reused or repaired where possible, and recycled at end of life.
324	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Post-workshop questions	Are there deadlines to put initiatives into action?	Metro Vancouver is required to initiate an update of the plan within 10 years of its approval.
325	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Other comments	Knowing the main suspect of waste going to landfill, we can figure out where to focus on first to combat this problem.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
326	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Other comments	Our landfill is almost full – do a better job at separating waste.	A solid Waste system that is resilient to future challenges is one of the guiding principles of the updated solid waste management plan.
327	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Other comments	Reuse more items or donate or fix.	Keep materials in use as long as possible is a goal of the plan update.
328	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Other comments	We need biodegradable Slurpee straws.	Noted

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329	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Other comments	Use paper more responsibly, less handouts in schools	Minimize waste generation is a goal for the plan update.
330	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Other comments	Put more compost bins in schools.	This idea was considered as a potential action and was incorporated into the options analysis process.
331	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Other comments	Ask schools to try and make the cafeteria food more sustainable (variable portions, etc).	This idea was considered as a potential action and was incorporated into the options analysis process.
332	5-Oct-24	Workshop Notes	Youth4Action	Public members-at-large	Other comments	Use items for longer and repair electronics.	Keep materials in use as long as possible is a goal of the plan update.
333	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Collaboration on reporting out and tracking where materials are going: Improve data sharing Proprietary information can make it challenging for private industry to share information	This idea was considered as a potential action and was incorporated into the options analysis process.
334	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Metro Vancouver needs to be able to listen and act on feedback of committees such as Industry Advisory Committee.	Noted
335	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Continue the conversation past the solid waste management plan update.	This idea was considered as a potential action and was incorporated into the options analysis process.
336	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Bring all advisory committees together to discuss issues (Public/Technical Advisory Committee, Regional Engineers Advisory Committee Solid Waste Sub-committee, Industry Advisory Committee)	Noted
337	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Metro Vancouver can fund non-profits to take on education role, non-profits can build trust	This idea was considered as a potential action and was incorporated into the options analysis process.
338	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		More public education (for example for reducing contamination)	This idea was considered as a potential action and was incorporated into the options analysis process.
339	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Collaborate with Extended Producer Responsibility (EPR) agencies on education Collaborate with provincial and federal government	This idea was considered as a potential action and was incorporated into the options analysis process.
340	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Need more education on materials not included in EPR programs: Priority items - lithium batteries, potentially hazardous waste in recycling bins Difficult to get hard-to-recycle items through regulation and into programs because this is provincial jurisdiction - Metro Vancouver advocacy needed	This idea was considered as a potential action and was incorporated into the options analysis process.
341	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Outreach to businesses, property managers	This idea was considered as a potential action and was incorporated into the options analysis process.
342	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Private sector could demonstrate where innovative technology is in place, for example AI sorting technology in Materials Recovery Facilities (MRF) No appetite for collaboration if you are competing with regulator	This idea was considered as a potential action and was incorporated into the options analysis process.
343	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consider collaboration on mixed solid waste recovery facility Example: Durham Regional District	This idea was considered as a potential action and was incorporated into the options analysis process.
344	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Entrepreneurial workshop - getting people together to solve problems. Information sharing.	This idea was considered as a potential action and was incorporated into the options analysis process.
345	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Leverage expertise from potential users to connect products to users	This idea was considered as a potential action and was incorporated into the options analysis process.
346	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Mandated post consumer recycled content through bylaws	This idea was considered as a potential action and was incorporated into the options analysis process.

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347	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Industry representation on Zero Waste Committee	Under Metro Vancouver's governance model, the Zero Waste Committee Chair, Vice Chair, and members are appointed by the Chair of the Metro Vancouver Board, and members include elected officials from member jurisdictions across the region. One of the Co-Chairs of the Solid Waste and Recycling Industry Advisory Committee is a Zero Waste Committee representative - this helps to provide a linkage between the two committees. The Industry Advisory Committee also reports directly to the Zero Waste Committee through the Co-Chairs.
348	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Make space for all voices (non-profits, women, underrepresented groups)	This idea was considered as a potential action and was incorporated into the options analysis process.
349	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Connect executive chairs of waste industry associations (SWANA, WMABC, etc.) other executive chairs. Will help to represent the waste industry in multi-sector situations (organics management, construction and demolition) Metro Vancouver could provide centralized location, make the connections, break down silos	This idea was considered as a potential action and was incorporated into the options analysis process.
350	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Collaborate on emerging legislation from other orders of government For example the Federal plastics registry	This idea was considered as a potential action and was incorporated into the options analysis process.
351	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Collaboration with adjacent regional districts/province for inter-jurisdictional issues	This idea was considered as a potential action and was incorporated into the options analysis process.
352	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Incentivize/encourage private industry Generator levy dis-incentivizes collaboration	This feedback will be considered in developing a regulatory strategy for the updated plan.
353	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consider results-based regulation	This idea was considered as a potential action and was incorporated into the options analysis process.
354	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Have a private utility to manage waste (e.g. BC Utilities Commission)	This idea was considered as a potential action and was incorporated into the options analysis process.
355	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Use social media to get facts out.	This idea was considered as a potential action and was incorporated into the options analysis process.
356	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Auditing and reporting are done but not known by the public – increase transparency and inform.	This idea was considered as a potential action and was incorporated into the options analysis process.
357	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Identify the public's main concerns and address them.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
358	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Honesty builds trust: Be honest with the public and show the limitations, what we're doing, and how we're trying to improve – start with the definition of recycling.	This idea was considered as a potential action and was incorporated into the options analysis process.
359	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Simplify: focus on tangible examples of recyclable products.	This idea was considered as a potential action and was incorporated into the options analysis process.
360	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Show true stories of circularities happening in the region.	This idea was considered as a potential action and was incorporated into the options analysis process.
361	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Understand how much is residual waste and how much is being recycled – set a reasonable target to improve.	This idea was considered as a potential action and was incorporated into the options analysis process.
362	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Have good metrics to track and report. Combine with public tours and media, key influencers, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
363	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Eliminate performative recycling	This idea was considered as a potential action and was incorporated into the options analysis process.

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364	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Grow recycling through reduction (e.g. plastic ban)	This idea was considered as a potential action and was incorporated into the options analysis process.
365	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Have inspectors at the generators and issue tickets/fines	This idea was considered as a potential action and was incorporated into the options analysis process.
366	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Our problems are not unique we can consider other countries' best practices when considering solutions to our own waste management challenges in the region.	This idea was considered as a potential action and was incorporated into the options analysis process.
367	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Improve systems to ensure the utility of outputs (end-use markets). Explore funding from a variety of sources including provincial/federal grants, solid waste fees, private sector partnership, innovation fund, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
368	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Look to tested solutions, such as organics in Edmonton, for solid waste infrastructure strategies.	This idea was considered as a potential action and was incorporated into the options analysis process.
369	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Streamline regulations and shorten decision-making processes to facilitate private investment in infrastructure.	This feedback will be considered in developing a regulatory strategy for the updated plan.
370	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Improve permitting and licensing programs to move more quickly and be more accessible to a wider range of service providers.	This idea was considered as a potential action and was incorporated into the options analysis process.
371	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Processing capacity for different streams; multiple years for permit approvals: preventing solutions being implemented.	This feedback will be considered in developing a regulatory strategy for the updated plan.
372	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Efforts to be compliant do not seem to reap any rewards in terms of moving through permitting processes any easier.	A solid Waste system that is resilient to future challenges is one of the guiding principles of the updated solid waste management plan.
373	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consider the public-private partnership (P3) model; can be challenging, but need to consider all options. The profit motive cannot be a disincentive for a successful system.	Metro Vancouver will consider best practices for facility development as part of the solid waste management plan's Recycling and Waste Centre strategy.
374	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Look to the province, and other levels of government, to help provide more support in searching for solutions to various problems.	This idea was considered as a potential action and was incorporated into the options analysis process.
375	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Develop markets and identify investment opportunities; lack of certainty discourages private sector from taking on opportunities.	This idea was considered as a potential action and was incorporated into the options analysis process.
376	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Look to results-based regulation	This idea was considered as a potential action and was incorporated into the options analysis process.
377	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Improve engagement between government policy makers and industry – currently feels like government is out if touch with how the industry functions.	This idea was considered as a potential action and was incorporated into the options analysis process.
378	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consistency is needed for regulatory regimes, processing and permitting/licensing to allow for cost-effective infrastructure investment and operation (cross country/provincially/regionally). For example: public shingle recycling options at private landfills.	This feedback will be considered in developing a regulatory strategy for the updated plan.
379	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Foster opportunities for more private investment.	This idea was considered as a potential action and was incorporated into the options analysis process.
380	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		From the point of view of haulers: Provide companies with some kind of certification that is acknowledged by industry or government.	This idea was considered as a potential action and was incorporated into the options analysis process.

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381	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Protect and incentivize the best actors and players.	This idea was considered as a potential action and was incorporated into the options analysis process.
382	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Prioritize licensing programs for businesses that are actively investing in new technology – help protect businesses willing to take financial risk.	This idea was considered as a potential action and was incorporated into the options analysis process.
383	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Orders of government to implement procurement policies. There should be industry mandates to produce and use recyclable materials.	This idea was considered as a potential action and was incorporated into the options analysis process.
384	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Recognize that shifts in the industry and manufacturing may not be within the scope and control of Metro Vancouver. Some changes and shifts are global.	Metro Vancouver will consider this feedback when implementing the plan.
385	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Focus on simplifying the materials that are put into the market, especially plastic.	This idea was considered as a potential action and was incorporated into the options analysis process.
386	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Recycling definition should be more clear (there is a misconception that energy recovery is the same as recycling)	This idea was considered as a potential action and was incorporated into the options analysis process.
387	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Enhance clarity and transparency of what materials go through Metro Vancouver and other facilities.	This idea was considered as a potential action and was incorporated into the options analysis process.
388	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Improve monitoring policies and incentives to ensure proper recycling and disposal and reduce contamination, otherwise no investment will be made. Private market can handle recycling if right infrastructure and incentives are in place. For example, there is a huge composting program in Nova Scotia. They have expansive use markets (e.g., landscaping) and there are no market shortages	This idea was considered as a potential action and was incorporated into the options analysis process.
389	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		There is not enough infrastructure capacity and incentives for recycling. An example of limited processing capacity is the organics processors	This idea was considered as a potential action and was incorporated into the options analysis process.
390	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Work to level the industry playing field and facilitate healthy competition. Big manufacturers should not be allowed on the board of RecycleBC, as this is potentially a conflict of interest.	This idea was considered as a potential action and was incorporated into the options analysis process.
391	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Competition issues can be solved by shifting the responsibility to the generator.	This idea was considered as a potential action and was incorporated into the options analysis process.
392	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Design for reparability and recyclability	This idea was considered as a potential action and was incorporated into the options analysis process.
393	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Encourage or regulate manufacturers to reduce their footprint and minimize consumer packaging.	This idea was considered as a potential action and was incorporated into the options analysis process.
394	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Encourage redesign and enhance accountability for future manufacturing and construction.	This idea was considered as a potential action and was incorporated into the options analysis process.
395	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Celebrate and look to larger companies that have already started working at reducing footprint, materials, and packaging.	This idea was considered as a potential action and was incorporated into the options analysis process.
396	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		For construction and demolition waste (C&D), support innovative ideas and focus on marketing C&D waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
397	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Incentivize use of more recyclables at the procurement stage.	This idea was considered as a potential action and was incorporated into the options analysis process.
398	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Think more globally and focus on moving up the waste hierarchy.	This idea was considered as a potential action and was incorporated into the options analysis process.
399	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Point of view of generators: Create regulations to encourage mandatory three containers for businesses.	This idea was considered as a potential action and was incorporated into the options analysis process.
400	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Education is more of a natural process as people naturally eliminate waste and harmful products when they learn and find out about them.	Metro Vancouver will consider this feedback when implementing the plan.

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401	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Multi-family buildings show the lowest accountability for their waste (high contamination) – increase education and focus on these demographics.	This idea was considered as a potential action and was incorporated into the options analysis process.
402	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		A solution to the multi-family sector could be clear bags for everyone.	This idea was considered as a potential action and was incorporated into the options analysis process.
403	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Need high enough surcharges to cover for increased costs of contamination.	This idea was considered as a potential action and was incorporated into the options analysis process.
404	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Enforce EPR: The stewardship program is there, but is not being enforced.	This idea was considered as a potential action and was incorporated into the options analysis process.
405	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Accountability should go back to the generator (not the haulers).	This idea was considered as a potential action and was incorporated into the options analysis process.
406	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Focus on the compactors and record footage in multi-family buildings, this could raise privacy concerns.	This idea was considered as a potential action and was incorporated into the options analysis process.
407	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Waste audits and inspections can help, especially in the Industrial Commercial Institutional (ICI) sector. But who would be held accountable in multi-family sector? Strata corporations?	This feedback will be considered in developing a regulatory strategy for the updated plan.
408	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Where will we see the practical infrastructure solutions being considered/implemented as part of this solid waste management plan update process (for all waste streams)?	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.
409	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Planning for capacity – need clear solutions for long-term solid waste streams	This feedback will be considered in the development of residuals management technical criteria for the updated plan.
410	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Need to look at infrastructure planning and using the existing system as a foundation	This idea was considered as a potential action and was incorporated into the options analysis process.
411	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		There is a need for advanced processing solutions	"Innovation and collaboration to support a vibrant economy that keeps products and materials in circulation" is one of the guiding principles of the updated solid waste management plan.
412	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		There will be operational challenges with some of the “big-ideas” solutions	Metro Vancouver will consider this feedback when implementing the plan.
413	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Planning needs to consider logistical challenges for tighter geographic constraints and lack of industrial land continues to be an issue.	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.
414	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Real need for Industry Advisory Committee members to see how input is going to meaningfully impact outcomes (i.e., influence new solid waste management plan)	Noted
415	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Disposal bans have been effective, however, there should be technology and infrastructure to process the diverted material at a reasonable cost.	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is one of the guiding principles of the update solid waste management plan.
416	8-Oct-24	Key Topic Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Recycler's point of view for certain materials: In some cases, up to 95% of diverted material goes to landfills.	Metro Vancouver will consider this feedback when implementing the plan.
417	9-Oct-24	Community Consultation Notes	Binners’ Project	Public members-at-large	What are the main actions you take to eliminate waste?	Starts with cans and bottles and the things that are less messy while on-site. Has the items separated at home.	Noted
418	9-Oct-24	Community Consultation Notes	Binners’ Project	Public members-at-large	What are the main actions you take to eliminate waste?	Try to buy things that will last longer so he uses less. Also tries to extend the lifespan of his items. “Quality over quantity”	Keep materials in use as long as possible is a goal of the plan update.
419	9-Oct-24	Community Consultation Notes	Binners’ Project	Public members-at-large	What do you see as the challenges and barriers?	Didn’t produce things that lasted as long	Keep materials in use as long as possible is a goal of the plan update.
420	9-Oct-24	Community Consultation Notes	Binners’ Project	Public members-at-large	What do you see as the challenges and barriers?	Diapers become a problem because it forces everything else in the bag to be soiled. Lack of opportunities to sort at some of our sites. Risk of needle pokes. Not separate bins at some sites.	This idea was considered as a potential action and was incorporated into the options analysis process.
421	9-Oct-24	Community Consultation Notes	Binners’ Project	Public members-at-large	What do you see as the challenges and barriers?	Thinks there should be separate bins for organics in housing sites. Also referenced needles as a risk to sorting on some of our sites. Not as hard for refundables because people get money for the items.	This idea was considered as a potential action and was incorporated into the options analysis process.

No.	Date	Source/Material	Organization/Group	Sector/ audience	Engagement Question/Sub-topic	Feedback comment/question	MV response
422	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Discussed the benefits of the recycling systems and the benefit of having a refund on items.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
423	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Most large retail spaces have a lot of packaging and recycling that is produced. Should be required to hire people to sort and divert waste. Less connection from the leadership of these large spaces to the actual waste they produce and what happens to it. Mentioned the potential financial opportunities in reuse and recycling that is being missed.	This idea was considered as a potential action and was incorporated into the options analysis process.
424	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do to address these challenges?	Surveys could help	This idea was considered as a potential action and was incorporated into the options analysis process.
425	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do to address these challenges?	Robust marketing campaign to help educate and also highlight the successes of the system. Acknowledged the benefi t of community gardens.	This idea was considered as a potential action and was incorporated into the options analysis process.
426	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do to address these challenges?	Replacement of trees that are cut down. Increase access to personal gardens and community gardens to reduce waste associated with buying food. Using second-hand clothes and encouraging people to reuse items. Encouraging home remedies to reduce waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
427	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	More garbage and recycling bins all over.	This idea was considered as a potential action and was incorporated into the options analysis process.
428	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	Encourage/require large buildings/businesses to hire groups like BP to sort waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
429	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	Sister city project, Metro Vancouver could do an exchange of ideas with another city/region with a focus on waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
430	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	Have small groups of people go to businesses around the city to educate people how to effectively recycle.	This idea was considered as a potential action and was incorporated into the options analysis process.
431	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What ways can Metro Vancouver collaborate with others?	Mentioned transportation and reducing car use. Looking at techniques to reduce waste while doing laundry.	This idea was considered as a potential action and was incorporated into the options analysis process.
432	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What types of information would be most helpful?	Flora referenced earlier comments about lack of consistency in what goes in what bins	This idea was considered as a potential action and was incorporated into the options analysis process.
433	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What types of information would be most helpful?	Still feels unsure about what can be refunded especially regarding milk containers.	This idea was considered as a potential action and was incorporated into the options analysis process.
434	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What types of information would be most helpful?	Asked why smoke or air quality were not included in this discussion.	Noted
435	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are some ways to engage with residents?	Give better access to tools like waste pickers.	This idea was considered as a potential action and was incorporated into the options analysis process.
436	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are some ways to engage with residents?	Set up community events to collect waste. Reduce more waste with better government involvement.	This idea was considered as a potential action and was incorporated into the options analysis process.
437	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are some ways to engage with residents?	Hire people to educate residents about recycling programs and the waste systems. Better needle disposal options and signage for those bins.	This idea was considered as a potential action and was incorporated into the options analysis process.
438	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are some ways to engage with residents?	Better compost options and encouraging household initiatives to compost	This idea was considered as a potential action and was incorporated into the options analysis process.
439	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are some ways to engage with residents?	Distribute posters and fliers to help educate residents. Monthly newsletter to help educate and inform.	This idea was considered as a potential action and was incorporated into the options analysis process.
440	9-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are some ways to engage with residents?	Offer information in other languages to engage more residents.	This idea was considered as a potential action and was incorporated into the options analysis process.
441	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What do you see as potential barriers in achieving waste prevention/collaboration?	The main barrier is not embracing a circular economy, that is the most impactful route to waste prevention	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.

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442	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What do you see as potential barriers in achieving waste prevention/collaboration?	Lack of knowledge among businesses about circular economy -they don't know what the business case is, they don't know how to adopt circular practices, and they don't know how to set up a collaboration table -This knowledge gap hinders companies from actively participating in waste prevention initiatives within a circular economy framework.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
443	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What do you see as potential barriers in achieving waste prevention/collaboration?	Industry and professional associations who are key to the circular economy transition are not aware of the circular economy imperative	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
444	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What do you see as potential barriers in achieving waste prevention/collaboration?	There is a significant lack of collaboration skill sets within businesses and possibly within Metro Vancouver staff, which hinders effective teamwork and knowledge-sharing.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
445	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Businesses have a central role in leading the transition to circular models and that they should see this shift as a business opportunity. They'll attract more clients, customers, and suppliers and will have more business opportunities.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
446	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Businesses need to be engaged through their associations, including industry associations, procurement associations, boards of trade, etc. They can help educate their members about the shift to the circular economy and relevant practices to adopt.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
447	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	For the waste management industry and local government, their role is to provide the structures and systems that can support a circular economy.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
448	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Metro Vancouver is well-positioned to be a leader in the circular economy because there's no other organization in BC that could move on a regional level.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
449	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Non-profits and community groups should focus on education and mobilizing communities and businesses, particularly SMEs. -This role is crucial as these organizations can bridge knowledge gaps, encourage community involvement, and support smaller businesses in adopting circular economy practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
450	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	In what ways could Metro Vancouver collaborate with others more effectively to advance waste prevention/collaboration?	Metro Vancouver should collaborate with educational institutions in the region, such as UBC, SFU, BCIT and Emily Carr University, to foster a shared knowledge base and provide training for circular economy principles.	This idea was considered as a potential action and was incorporated into the options analysis process.
451	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	In what ways could Metro Vancouver collaborate with others more effectively to advance waste prevention/collaboration?	Suggest the establishment of industry-specific tables Metro Vancouver should see what the sectors are whose pivot to circularity would help the region reduce landfills. These tables could target top sectors like construction and demolition, textiles and food. -They would serve as forums for collaboration with multiple stakeholders, including NGOs, government bodies, and industry leaders.	This idea was considered as a potential action and was incorporated into the options analysis process.
452	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	In what ways could Metro Vancouver collaborate with others more effectively to advance waste prevention/collaboration?	Metro Vancouver should work with chambers of commerce to ensure SMEs are not overlooked in the circular economy shift. Partnerships with the BC Chamber of Commerce or Greater Vancouver Board of Trade to provide resources and guidance to SMEs.	This idea was considered as a potential action and was incorporated into the options analysis process.
453	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	In what ways could Metro Vancouver collaborate with others more effectively to advance waste prevention/collaboration?	Metro Vancouver should collaborate with procurement associations to provide education to buyers on the circular economy.	This idea was considered as a potential action and was incorporated into the options analysis process.
454	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	Let's flip the script: Thinking of the current system, what is working well and should not be changed when thinking of waste prevention/collaboration? a) What is going well and should be expanded on?	The existing toolkit and resources on circular economy practices are highly valuable resources, and Metro Vancouver should go back to those resources and leverage them. -They contain valuable case studies and insights for businesses on adopting circular principles. -https://nzwc.ca/documents/circulareconomybusinesstoolkit.pdf -https://corostrandberg.com/wp-content/uploads/2022/03/circular-business-insights.pdf	This idea was considered as a potential action and was incorporated into the options analysis process.

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455	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What types of information would be most helpful for you in furthering your understanding of waste prevention? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Resources that map out circular economy models by sector, particularly in identifying strategies for different industries.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
456	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	What are some ways to engage with Metro Vancouver residents on waste prevention?	The 1-pagers on the seven focus areas are done really well and are very helpful but need a strategic focus: they didn't feel strategic: what is Metro Vancouver trying to do with X industry and then what's the route by which they're mobilizing the industry.	Noted
457	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	Metro Vancouver should adopt a community education approach that demonstrates the benefits of a circular economy in terms of business opportunities and environmental impact. This would create more public buy-in, making waste prevention a shared responsibility.	We would benefit from additional case studies and insights on the economic benefits of circular economy initiatives, examples showing how circular practices can be profitable.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
458	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	Other comments	The value of integrating Indigenous knowledge into circular economy designs. In many ways, we're trying to live the way Indigenous people have always lived.	This idea was considered as a potential action and was incorporated into the options analysis process.
459	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	Other comments	There is a need for social innovation and systems thinking within Metro Vancouver's collaboration efforts. -We need training and education on how to do these things -Design thinking and holistic thinking	This idea was considered as a potential action and was incorporated into the options analysis process.
460	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	Other comments	Extended producer responsibility is a critical element and fundamental -more products need to be caught up by EPR	This idea was considered as a potential action and was incorporated into the options analysis process.
461	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	Other comments	The five circular business models by Accenture (circular supply chains, product as a service, product life extension, sharing platforms, and recovery and recycling) provide a strategic framework to follow in advancing the circular economy.	This idea was considered as a potential action and was incorporated into the options analysis process.
462	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	Other comments	Positioning Metro Vancouver as a global leader in the circular economy could be beneficial: if we're not a leader, then we won't be able to leverage the market opportunities from leading in this area.	This idea was considered as a potential action and was incorporated into the options analysis process.
463	9-Oct-24	Interview	Coro Strandberg	Sustainability expert	Other comments	It is important to frame the circular economy as an economic, climate, and social strategy:	This idea was considered as a potential action and was incorporated into the options analysis process.
464	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		Take suggested actions approach, not prescriptive approach; municipal councils will be more receptive Multifamily – why is it doing so poorly, and should city take over some of these sites? Old buildings vs. new buildings	Metro Vancouver will consider this feedback when implementing the plan.
465	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		Municipal Actions in roadmaps are helpful (i.e., nature and ecosystems) for comparative actions; helps for SWM since we don't have our own plan	Metro Vancouver will consider this feedback when implementing the plan.
466	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		Waste hauler issues – good to note	Noted
467	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		Organics recycling – what will the plan include?	Make it easier to recycle effectively is one of the goals in the plan update.
468	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		C&D - what will the plan include?	Recover resources from non-recyclable materials is a goal of the updated plan.
469	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		Data for behaviour change? Yes – behaviour change campaigns, etc, we do surveys. Broader systematic surveys over years could be helpful.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
470	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		Do we do anything to engage youth?	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.
471	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		Incentivizing vs penalizing, sounds like the right approach	This idea was considered as a potential action and was incorporated into the options analysis process.

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472	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		Lowest cost is the driver behind municipal decisions; how do we strive and achieve for consistency between municipalities	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
473	11-Oct-24	Meeting Summary	City of Coquitlam	Local Government		Targets – will they change? Recycling, etc.	Metro Vancouver will consider this feedback in developing metrics and targets.
474	12-Oct-24	Email submission	Member of Public	Public members-at-large		Every week, I meticulously divide my waste into paper/food/pastics/containers/etc into my blue box .... And every week, when the pick-up truck comes, the fellow dumps the entire blue box, Willy-Nilly, into the one and only compartment on the truck! It is frustrating to watch!!!!	Thank you for your commitment to proper separation of recyclables! This is a frustrating situation, and one that does occur from time to time in our region. If you can provide your municipality and the name of the company that collects your recyclables (if not your municipality) we can investigate further. Alternatively, you may wish to contact your municipality directly.
475	12-Oct-24	Email submission	Member of Public	Public members-at-large		Overall, more education is required bc i see too many neighbours putting out ONLY their one large garbage bin + perhaps the blue box.....therefore there is no separation being done by the homeowner. BUT, in light of #1 above, i feel like the "dolt" for meticulously washing/cleaning out the containers every week, separating paper and plastic, place them accordingly, etc etc.....	Your effort counts! Although some people may not properly separate their recyclables, many do, and that has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
476	12-Oct-24	Email submission	Member of Public	Public members-at-large		How are these garbage trucks allowed to do this?	We can investigate further as noted above, or you may wish to contact your municipality.
477	12-Oct-24	Email submission	Member of Public	Public members-at-large		Why isn't there more screening done at the dump to prevent such violators coming through and dumping everything in one heap	There are disposal bans in place at all of our recycling and waste centres (formerly referred to as 'transfer stations'), as well as disposal facilities in the region (Vancouver Landfill and the Waste-to-Energy facility located in Burnaby). Any individual or company that includes banned materials above a certain threshold (e.g. organic waste, recyclables), receives a surcharge.
478	12-Oct-24	Email submission	Member of Public	Public members-at-large		Instead of depending entirely on the consumer to do the recycling, those unrecylable containers should never be allowed in the first place to be used by food companies. In fact, unrecyclable containers and items should NEVER BE MADE in the first place!!!!	There is a lot of work being done to advocate for better product design, but it takes a long time to change the system, especially because many of these companies are national or international in scale. Groups like the Canada Plastics Pact focus on advocating for design rules that help make sure products can be properly recycled. Senior levels of government have the legislative authority over consumer products and materials, and Metro Vancouver works with organizations like Canada Plastic Pact, and leads the National Zero Waste Council, on options to prevent and reduce waste at source.
479	12-Oct-24	Email submission	Member of Public	Public members-at-large		Consider a little baby at home: most parents would not give the baby access to poisons or in-nutritious foods or broken/dangerous toys/objects with which to play/put in it's mouth/chew on/hurt himself, etc.....exactly the same situation: DO NOT MAKE/PROVIDE/SELL ANY PRODUCT that is harmful to the environment!! PURE AND SIMPLE, IS IT NOT???!	This is tricky as consumer claims of products are federal jurisdiction, as mentioned above. The federal government has started to investigate claims of 'greenwashing', and Metro Vancouver and its members have provided information to help shine the light on the situation here and why this is important.
480	12-Oct-24	Email submission	Member of Public	Public members-at-large		Regarding the education side: i see a few community gardens using publicly unused spaces, like railway tracks areas with the tracks removed.....or like along the Richmond dyke area, an unused space is well-used with wonderful-looking fresh veggies waiting to be harvested.	Metro Vancouver works with an organization called City Farmer, which as a long running community garden on the west side of Vancouver. They are a fantastic resource for residents, and can help provide an answer to any questions you may have about backyard gardening and composting. They can be reached at 604.736.2250.
481	12-Oct-24	Email submission	Member of Public	Public members-at-large		I have also seen the sites of old garages/houses turned into gardens by the locals.....and BEST OF ALL, individuals have turned their front lawns into gardens!!! Unfortunately, it is only a small percentage of the population that has jumped on this whole-heartedly, and it requires much more spread.	Metro Vancouver works with an organization called City Farmer, which as a long running community garden on the west side of Vancouver. They are a fantastic resource for residents, and can help provide an answer to any questions you may have about backyard gardening and composting. They can be reached at 604.736.2250.

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482	12-Oct-24	Email submission	Member of Public	Public members-at-large		Metro surely has the manpower to work on the various fronts to turn this around before it's too late!!! We have already seen the colossal damage climate change has brought to so many people and regions of the world, the situation is DIRE!!!!	Metro Vancouver works with an organization called City Farmer, which as a long running community garden on the west side of Vancouver. They are a fantastic resource for residents, and can help provide an answer to any questions you may have about backyard gardening and composting. They can be reached at 604.736.2250.
483	12-Oct-24	Email submission	Member of Public	Public members-at-large		Leaf blowers must be banned! They are utterly useless, just blowing the leaves about for over an hour, then shortly, a wind comes along and they're scattered again....Far better to use hand rakes and bag them as you go! Then the leaves can be used for plant cover, for home compost bins.....people do NOT know what excellent,rich soil they can produce themselves ....elementary kids learn this easily, and can be the best advocates in a community!	Metro Vancouver works with an organization called City Farmer, which as a long running community garden on the west side of Vancouver. They are a fantastic resource for residents, and can help provide an answer to any questions you may have about backyard gardening and composting. They can be reached at 604.736.2250.
484	12-Oct-24	Email submission	Member of Public	Public members-at-large		With more expensive groceries, now is a good time to educate and encourage families, schools, high school crews to comb through neighbourhoods and ask permission to turn lawn areas into school or neighbourhood gardens.... The produce distributed to the owner, neighbours, the students' families, food banks, etcetc..... these projects can easily be started at the local elementary levels, involve parent groups, etc.....	Metro Vancouver works with an organization called City Farmer, which as a long running community garden on the west side of Vancouver. They are a fantastic resource for residents, and can help provide an answer to any questions you may have about backyard gardening and composting. They can be reached at 604.736.2250.
485	12-Oct-24	Email submission	Member of Public	Public members-at-large		A friend who lives in a downtown condo has filled his balcony with large pots filled with rich soil and grows his own veggies right there, no travel needed to tend to them....	Metro Vancouver works with an organization called City Farmer, which as a long running community garden on the west side of Vancouver. They are a fantastic resource for residents, and can help provide an answer to any questions you may have about backyard gardening and composting. They can be reached at 604.736.2250.
486	12-Oct-24	Email submission	Member of Public	Public members-at-large		I could go on listing, but i am sure you know the above list + more of "good" things happening in all of Metro and beyond.....Please let me know if any of the above is being considered, implemented etc..... And where Metro itself is planning to do!	Metro Vancouver is currently updating its solid waste management plan, and our vision is a thriving region where resources are valued and nothing is wasted. We will record all of the input you've provided in your e-mail in our feedback log and consider it along with what we hear from others in creating a plan that will guide us in the years to come.
487	12-Oct-24	Email submission	Member of Public	Public members-at-large		WHY are plastic products allowed to be produced at all??! Surely the production (the source) should be the complete focus. Once produced it is too late!	Reducing waste at its source is our preferred solution and will be a key focus of our updated solid waste management plan. For issues like production of plastics, since it's an issue that stretches far beyond the boundaries of our region, we work with organizations like the National Zero Waste Council and Canada Plastics Pact, in collaboration with businesses and other organizations, to help amplify our voices in the effort to eliminate plastic waste. Here's the mission of the Canada Plastics Pact: "The Canada Plastics Pact is leading Canada's response to the escalating plastic crisis. We exist to eliminate plastic waste by accelerating and scaling the solutions that will keep plastics in the economy and out of people, animals and the environment. Through fostering innovation and collaboration, our 100+ Partners from across the plastics value chain are taking meaningful steps to eliminate unnecessary and problematic plastics."
488	15-Oct-24	Focus Group Notes	Canadian Beverage Association	Beverage Retailers		We lead within the most provinces in terms of recycling rate, recovery, and comparison to other programs. We are in contact with Return Deposit. Our Vancouver branch has a number of advisory committees. Members of the CBA are part of the Recycle BC program.	Noted

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489	16-Oct-24	Focus Group Notes	Canadian Beverage Association	Beverage Retailers		How does Metro Vancouver work with adjacent districts and the provincial governments?	We always inform adjacent districts about our activities. Examples include dialogues with Nanaimo. We work closely with the provincial government and the Ministry of Environment, following their guidelines. Our Industry Advisory Committee provides recommendations, and the provincial government participates as observers.
490	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Opening Discussion	We've implemented Extended Producer Responsibility. Maybe we need to do Extended RETAILER responsibility, so retailers have incentives to seek packaging-free products!	This idea was considered as a potential action and was incorporated into the options analysis process.
491	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Opening Discussion	Great thoughts and points. For me, one way I try to combat this frustrating reality is to 'vote with my wallet', recognizing my privilege of choice. So if I see tomatoes in a clamshell, or loose, I lean towards the ones which are loose. I like to think that if the retailer sees that the clamshell options aren't selling, they'll procure options which are loose.	Minimize waste generation is a goal for the plan update.
492	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Opening Discussion	I will shoot out a friendly rebuke to that... consumers and retailers all now the goal is waste reduction and have been given every opportunity to make it happen. Here we are, in 2024, and we are deep into a climate emergency. My thinking has shifted; voluntary action has had its day in the sun and we need regulation. I totally agree, we need more government regulations in terms of what packaging can be used, and also preventing over packaged products from being sold.	This idea was considered as a potential action and was incorporated into the options analysis process.
493	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Opening Discussion	I totally agree, regulation and enforcement are key missing components to me. However, in the meantime, I do believe that my individual actions (and sharing reasonings for those actions with others) is what I have control of currently.	This idea was considered as a potential action and was incorporated into the options analysis process.
494	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Opening Discussion	What are the implications when they say 'resilient to climate change and future challenges'? What does it really mean? Does it mean the solid waste is away from water as it creeps inland? (another participant responded) I like to think that the fact that landfills produce methane and GHGs speaks to how waste is related to climate change. To put it very simply, burning fuel creates emissions that cause climate change, but landfills also create those emissions in a different way.	A solid waste system that is resilient to climate change and future challenges is one of the guiding principles of the updated plan.
495	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Opening Discussion	Where does C&D waste go? We discussed, there are wood waste upcycling facilities, and also dedicated construction and demolition waste landfills. We discussed that wood products can become fibreboard, concrete becomes road fill, lots of different uses!	This feedback will be considered in the development of residuals management technical criteria for the updated plan.
496	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Opening Discussion	Is it true that each municipality can choose its own hauler? YES We discussed that municipalities have responsibility for managing their own waste contracts, and depending on the available infrastructure, may also choose between multi-stream or single-stream. They can even use different systems within the same municipality.	Noted
497	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Buy less. Have a list when I go shopping. Don't impulse buy; don't buy processed foods. Avoid restaurants (there is a lot of food waste there). Cooking with what you have in the home. Buying locally made products. Wear out our clothes. Reuse and recycle used textiles.	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
498	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	When I think about my relationship with waste, I have three thoughts: -I try to buy less -As a foodie, I focus a lot of my time/money/energy around food - I prioritize making my own meals a lot. Cooking lentils and beans from bulk beans rather than in packaging. -I prioritize going to package-free grocery stores. I know that's not an option for everyone, everywhere, but I offset that by prioritizing that over some other activities. -On social connectedness - being a constant person in the group or family who's reminding people to be aware of their relationships with waste; try to impart a bit of wisdom and knowledge while I have conversations and interactions with others.	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!

No.	Date	Source/Material	Organization/Group	Sector/ audience	Engagement Question/Sub-topic	Feedback comment/question	MV response
499	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Favourite item to reuse is dog waste bags: She did make reusable dog waste bags as her master recycler project, but you don't need to go through that effort - she does have them, and other participants were fantastic supporters of her going through that, but you can just reuse the plastic ones if you're caught, because in Metro Vancouver we're encouraged to flush dog waste. She has two dogs, they go for walks twice a day, she could be using at least 4 if not more bags a day, and she doesn't. She uses either the bags she made or will reuse a plastic bag for weeks and weeks, instead of having four bags a day going to waste, she has very few (another participant asks) What do you do to reuse the same bag? Dog poops, flush it in the toilet, rinse the bag as she flushes, then hang it upside down	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
500	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Retired but does a lot of gardening and volunteering at Riley Park community garden. She's in charge of the composting section up there. -She has a great connection with a guy at Metro Vancouver who regularly sends packs of 'here's the dirt' leaflets, which she distributes to people whenever she gives a composting talk, and the worms leaflet too. -Her favourite thing to reuse is spreading coffee grounds around, so they never get wasted. They go on the roses or the pot plants who like them. And they seem to like it. So good, healthy plants.	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
501	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	He reuses his paper garbage bags, and he uses an olive oil can as the garbage bin -The paper bag is probably a year old now, just emptying into their garbage can, and out in the lane. -They do, in their kitchen, his wife and he only, the kids are grown up, they have various waste baskets around the house, and when it comes close to garbage day, every 2 weeks, they aggregate the bins into 1 place, and sometimes he can just empty that directly into their big bin out in the lane -Sometimes the bag goes out with the rest of it, and then they use a new, small kitchen bag, which they used to reuse their shopping bags. Since those don't exist anymore, they do buy a roll of bags, it seems to last like 5 years.	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
502	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Her daughter doesn't get home until 7 in the evening. They've taken to using the Hello Fresh delivery system. So you get the ingredients for a meal in a brown paper bag which fits perfectly into her kitchen caddy under the sink, so she's reusing those. And they have a slight element of a lining inside, which makes them relatively waterproof. So they're absolutely perfect for lining the food bin, and you can pop them into the green bin.	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
503	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	He likes to reuse EVERYTHING , because he made a commitment more than 10 years ago that he doesn't buy anything new. The only things he buys new are food, bicycle brake pads that require replacing, and the head of his Sonic toothbrush is replaced roughly once a year, and is made of plastic.	Keep materials in use as long as possible is a goal of the plan update.
504	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	She's done a whole lot of stuff to do with improving her own recycling at home, and participating in zero waste events, since doing the MRV course in 2015.	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
505	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	A constant struggle, realizing that things she consumes will end up in landfill, despite me recycling. She's trying to reconcile that difference. -I try to make sure whatever recycling or composting I do, I'm doing it well. -If I'm composting a container, I take out everything that is not compostable. -Anything that is recyclable, I separate all the components. -Also, I come from a culture (Pakistan) where waste is not a concept; we use everything over and over again. So it's ingrained in my upbringing to never throw it out. The idea of mindfulness. -Understanding how my individual action can impact the recycling process; if I put my pizza box that's stained in the recycling container, it can spoil the whole bale if it has grease. -You need to understand how your actions matter. The conversation around this usually blames others for why systems aren't working; we have to reframe and think about what we are doing to make it work.	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!

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506	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	She takes individual actions, but also feels very frustrated by the manufacturers; if all the foods are in these clamshells, then what can we do to change that habit? I don't know if it IS up to the individual to change these things. -I find it really frustrating that you can't buy anything that isn't in those hard plastics.	Minimize waste generation is a goal for the plan update.
507	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Trying to be more waste-free by changing buying habits like switching to shampoo bars instead of bottles. - You really have to seek out refillable containers for beauty products. Some companies are better than others. -I go above and beyond to collect my soft plastics. -I've contacted companies to ask them to change their packaging - there are some things I don't buy anymore -If you tell people they have to spend 2x or 3x as much money to buy a product because it's locally sourced, reusable or has recycled content, it's hard for people to do. -Where can you make the biggest difference? -If I look in my garbage bin, you can't do much else with that -Dust, when i'm cleaning - what else am i throwing out - and I'm surprised by how much plastic I can accumulate over a month -But you find something inside a package that you don't expect. -the thing that makes me sad post Covid is only one major grocery store chain locally (Save on Foods) seems to have bulk foods still, others have shut down that option to consumer causing more buying than necessary	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
508	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Being from Hong Kong, coming to Vancouver to study is her first time (using multi-stream recycling). In Hong Kong the recycling system is not as good, so she's happy to see the number of different bins, including on campus. -Adding to the point about shampoo bars, her environmental awareness is influenced by my mom; so I encourage soap bars instead of liquid soap in bottles -Before that, I never realized how much plastic that one little bottle produces -It's very hard for people to adapt to a new way of using resources, even if it's simple to switch from liquid to bars.	Minimize waste generation is a goal for the plan update.
509	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	I like to bring Tiffin containers, or reused plastic containers to the bake shop and get them filled. There can be a hygiene issue, but we manage to take our reusable coffee mugs to coffee shops, etc, so that is an option. -As a retiree I'm lucky to be able to do all sorts of volunteer work in the recycling and repairing business. That's my main focus of trying to keep the planet from burning up.	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
510	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Bringing takeout foodware to restaurants	Keep materials in use as long as possible is a goal of the plan update.
511	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Reusable bags - hyper-portable	Keep materials in use as long as possible is a goal of the plan update.
512	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	When done with a clothing item or not using it, will put it on the buy nothing site - pretty active on the local buy nothing; she uses it a LOT	Keep materials in use as long as possible is a goal of the plan update.
513	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Use Facebook Marketplace second hand items	Keep materials in use as long as possible is a goal of the plan update.
514	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Being a conduit for local schools, for family members (to take items to donation or depots)	Make it easier to recycle effectively is one of the goals in the plan update.
515	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Talk to families about clothing-share. We just think that (and I was guilty of this too!) we think to dump unused items off at the Salvation Army or any other thrift store, e.g. SPCA, but we still have a lot of that stuff not getting resold in the Lower Mainland, it's garbage or sent overseas, so been trying to encourage people to share with cousins, and work with that, that's a big thing	Keep materials in use as long as possible is a goal of the plan update.
516	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Volunteer at the repair cafes, helping to eliminate waste by repairing people's clothing items so they can keep using them	Keep materials in use as long as possible is a goal of the plan update.
517	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Buy used items for grandchildren at MacGillycudy's Children's consignment store at 33rd and Mckenzie	Keep materials in use as long as possible is a goal of the plan update.

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518	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	Recycle everything possible	Recycle into new products is a component of the goals for the plan update.
519	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you do to prevent and reduce waste?	She's a zero waste artist who uses recycled and leftover items in her art. The main thing she uses these days is obsolete 1970s and 1960s polyester double knit fabric. She studied in a fashion design program, so she uses couture methods to make the waste fabric into something that is other than what it started out to be, really awful stuff. Also, her daughter has a cognitive disability and a number of health issues, so over the last 8 years they have eliminated everything from their life that could possibly contribute to various illnesses and problems, and ended up with pretty much nothing in the way of bodycare and food items. They've developed a bunch of bodycare products and are in a business program for people with disabilities, going to launch a line of skincare products in the spring. They grow everything and produce the raw materials for it, they forage and have a garden, so they make basically all the botanicals and make the products themselves. She wants their packaging to be an example of what they can do, not just a compromise. They want the packaging not to be greenwashed in any way, actual zero waste packaging. She doesn't even want it to be recycled, she really wants to give something that can be reused, so they're using proper canning jars for the packaging. They don't want glue or stickers so she's developed a way of making everything work, and a printer who can do what she needs to be done. It's hard to find anyone to make a circle for you that's not a sticky circle. She wanted to be an example of what they can do, not just a compromise - yes, it's recyclable, and therefore it's environmentally friendly - even though that's not environmentally friendly in my books, that's another part of the problem. I wanted to appeal to people who actually grow their one food and use their own food and preserve their own food. If someone ever gives me a canning jar, they know not write on my gravestone - never say no to a canning jar; something that can go in a hot water or a freezer.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
520	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	(Learn from the past). The Victorians always recycled everything, before plastic was invented, we should do some research into their practices	This idea was considered as a potential action and was incorporated into the options analysis process.
521	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	Clothing swaps - they want to host them; start the conversation with their community about textile waste	This idea was considered as a potential action and was incorporated into the options analysis process.
522	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	Implement reusable toilet paper at home; 'family cloths'	This idea was considered as a potential action and was incorporated into the options analysis process.
523	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	Bring take-out foodware when I go out for dinner.	Noted
524	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	"I have a will and an urge to be more interactive with my neighbours, which I don't do". It's even hard for me with my roommates, who tend to be young and everything comes from Amazon every day. They have to recycle and compost because they live in the same house that I am, but even my neighbour from upstairs, I'm many times looking into the communal baggage and opening bags, recycling a lot of containers and stuff. For my whole neighbourhood, like most other neighbourhoods, I go and look through garbage, and it's not simple, there's contamination.	This idea was considered as a potential action and was incorporated into the options analysis process.
525	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	Convince my friend who doesn't see the value in composting because she's thinking individual action doesn't have any impact, that composting every little food scrap DOES matter.	Make it easier to recycle effectively is one of the goals in the plan update.
526	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	(Create bite-sized, digestible and appealing scripts to encourage the desired behaviours) Have a BETTER, brief by-line, a better way of trying to explain WHY we CAN do individual contributions - something in the back of our heads to reach for whenever the opportunity comes up	This idea was considered as a potential action and was incorporated into the options analysis process.
527	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	More information sharing about the repair cafe, spreading the word more	This idea was considered as a potential action and was incorporated into the options analysis process.

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528	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	The past three years she's been part of a food redistribution service. They get donations from a grocery store that are just about expired; with her neighbours they sort it and distribute it among different people in their neighbourhood. She likes that because she finds a lot of excitement in using what's on hand. She never buys or goes out and gets something to use, she uses what comes to her naturally. So this food she's grateful for, but at the same time, she's generating way more waste this way, prior to receiving all this bounty and abundance being diverted from landfill. So, the styrofoam, the plastic packaging, makes her feel torn. Glad to have the food and to divert it, but still carting off a whole lot of plastic and a whole lot of styrofoam, don't know what the solution is there.	This idea was considered as a potential action and was incorporated into the options analysis process.
529	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	Haven't been doing it, but in the past she's written to stores to STOP SELLING STYROFOAM. So yes, Metro Vancouver should say that we can no longer SELL styrofoam at all, that we can no longer sell them, so we can't get them at the store. You can't get them at the coffee shop but you can buy 24 of them when you're having a picnic. Metro should stop allowing that.	This idea was considered as a potential action and was incorporated into the options analysis process.
530	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	Would like the Zero Waste Center to have a spot for canning jars. You're not supposed to paw around in their bin of glass, but they kind of turn a blind eye. Let's actually have a section where people can put useful stuff where people can reuse and recycle.	This idea was considered as a potential action and was incorporated into the options analysis process.
531	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What people would like to do or have thought about doing?	City of Vancouver used to have a once a month time where they let people exchange things. But the zero waste depot, it would be great if they would let people go in and share things.	This idea was considered as a potential action and was incorporated into the options analysis process.
532	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	People don't know much about how recycling works, so they don't put their bins out.	Make it easier to recycle effectively is one of the goals in the plan update.
533	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	It's very hard to sort at the home; it's too confusing	Make it easier to recycle effectively is one of the goals in the plan update.
534	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	It's disheartening that organics and recycling sometimes get incinerated	Dispose only as a last resot is one of the goals in the plan update.
535	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	I would like to see on everything that can't be recycled, have a small blue dot for blue bin, black dot for black bin, green dot for green bin. It's easy, anyone can see that.	This idea was considered as a potential action and was incorporated into the options analysis process.
536	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Behaviour change; people not following the right actions; we need to be letting them know what they can do.	This idea was considered as a potential action and was incorporated into the options analysis process.
537	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Lack of information, lack of awareness. People sometimes want to do more, but they don't know what they could be doing. Information and sharing the possible alternatives for consumer behaviour would be a very important pathway to follow.	This idea was considered as a potential action and was incorporated into the options analysis process.
538	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	For her, she knows there's a multiplicity of packaging and everything; she laughs when she goes into places where you're supposed to dispose of your own stuff from eating or drinking, and you have all these choices - is this for compost, for garbage, for recycling? And, everybody sort of stares at these things and has no idea where to put everything! So everything gets mishmashed. How can we create a system that is CONSISTENT? Through different locations. It also means maybe the materials have to be consistent.	This idea was considered as a potential action and was incorporated into the options analysis process.
539	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Construction and demolition waste is banned from landfill in MetroVan. But it still sneaks in in black bags. Ban the black bags! Also, fine the haulers at the tipping places ... it's already happening, but I support larger fines.	This idea was considered as a potential action and was incorporated into the options analysis process.

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540	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	We need to focus on advocacy and what goes where - half the people don't know how to sort waste. Not one-way information; like how we have the signs up against garbage areas. We need to do some leverage of social media and outreach and make it appealing and interactive	This idea was considered as a potential action and was incorporated into the options analysis process.
541	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	When it comes to prevention, I go back to the guiding principles a bit here and thinking about the guiding principle that speaks to incentivizing retailers. If the options are unsavoury - do I really want to OWN this piece of packaging right now? I really don't, I would like another option please. A way to regulate or restrict packaging at a retail level, and incentivize retailers to ensure there are package-free options that are readily available. That would go a long way to giving those of us who are willing or seeking to make the package-free choice; go a long way to that reduction and prevention in the first place	This idea was considered as a potential action and was incorporated into the options analysis process.
542	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Multi-family buildings have contamination	Noted
543	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Lack of education for people - the very existence of recycling programs makes people complacent (about prevention and reduction); okay, I'll chuck it in there, I've done my part. People don't know that things are not properly recycled, that when you put greasy stuff in it just contaminates something. People don't even know what is supposed to go in the blue bin. So, there should be more education about what can and cannot be recycled.	This idea was considered as a potential action and was incorporated into the options analysis process.
544	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Education by itself is usually not enough, it has to come with involving kids in schools, showing examples on the streets, in the shops, in the grocery stores, There needs to be a lot of different things, messages, programs and places.	This idea was considered as a potential action and was incorporated into the options analysis process.
545	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Different cultures, different languages	This idea was considered as a potential action and was incorporated into the options analysis process.
546	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Health conditions and situations - for some people, it's very hard for them to drive to a depot, to the zero waste center or to depots	Make it easier to recycle effectively is one of the goals in the plan update.
547	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Lack of continuity of waste bins. Sometimes, they're not always available. It is Complex, we've even done things with events in the summer where you're explaining where things go, which bin, but it's also the confusion of - you're standing in front of four bins, and you're like WHERE DOES THIS GO? Even when they have the pictures on them, it takes brain power that people don't necessarily want to take the time to figure it out	Make it easier to recycle effectively is one of the goals in the plan update.
548	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Would love to see compost bins, but a little smarter, not just bins, in the streets of Vancouver. It's going to take years for people to get used to it. At the beginning, it will be a contamination show, people will just dump everything in there. But every change, every behaviour change takes time, takes a process, and in Europe there are a few and maybe more than just the EU, there are new innovative ideas on how to approach that. I would like to see a compost bin by every garbage bin, and a recycle bin next to it. It's been experimented with to a degree, but usually not with compost. There are new ideas, new things that can be done to make it more accessible. Most of us, in a single family house, we're doing a reasonably a good job, in multi family not as good. I would love to see some work on that.	This idea was considered as a potential action and was incorporated into the options analysis process.
549	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Conundrum in my mind; we talk about waste reduction, but in the same talk we're talking about recycling, which is really just doing something different with the waste, so it's not really PREVENTING waste in the first place. So, the focus on recycling, and recycling better, is a barrier.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.

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550	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	We're talking about plastics and the 9% recovery figure, and RecycleBC claims its much higher in BC, and that they make something with the plastics, using Merlin Plastics. They claim they can make soft plastics and make a usable product they can resell. But it would be really nice to SEE that, talking about transparency, maybe more people would be interested if they actually saw something in their media feeds that told them that was happening, or commercials in regular television. At London Drugs where they accept the flexible plastics, and the City Zero Waste Center, they're the only places u can do that. Would be nice if EVERY PUBLIC BUILDING was doing that; I don't know if they have a special deal with London Drugs (LD). Did LD agree to subsidize the program? Every community center, every library, city hall, they should have those kinds of waste receptacles. But still, that's all recycling, that's not preventing waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
551	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	How inaccessible it seems to actually prevent waste, because we encounter packaging and products once they're already designed to be wasted	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
552	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	The notion Master 'Recycler' was misnamed, because you don't really want to recycle these things, you want to not create them in the first place	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
553	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	I'm prepared to accept the world as it is and not the way it could be, and say; what do we do with this stuff, as opposed to changing everyone's behaviour? If you charge them for it - we now have a system for it. There's all these things on which there's a 10 cent deposit. There are many things that are identical that you don't have a deposit on, like a Litre carton of milk, a litre carton of cream does not, but it's the same kind of thing in terms of the waste at the end of it. The Litter Act deposit law, originally in Vancouver, was thinking of things you might use away from the home and use on the street, that would be leftover. The deposit is a leftover of that thinking from 40 years go. Some identical packaging, and some have a deposit and some don't. Of course, if you put the refundable stuff out in the lane, together with the blue box or separately to make it easier for people to get them, the binners take them away. Was starting to think of this as - the way miners think of ore concentrators and smelters; the ore is all this stuff spread out in the lanes of the city, and the concentrators are the binners, they dig all the stuff and take it in one giant bag to get back a dime, and they concentrate them at the depots, which then sorts them into aluminum, glass, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
554	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Why are there never any recycling bins at public parks and farmers markets locations? They're PRIME places where people are buying coffee from the vans, takeaway food they're eating there, and there's nowhere to put that. A lot ends up in my compost bins at Riley Park, which is really frustrating. It's something that well, it could revolutionize things, couldn't it? Farmer's markets every weekend, and parks with children and families playing, and picnics, there's nowhere for them to put the waste products. The ferries have bins - they have bins marked compost, newspaper, and cans and bottles. My observation is that there's an incredible amount of contamination. You would need someone to sort it afterwards, and then it becomes cost prohibitive in terms of what you get out of it in the end. If you valued waste reduction more highly somehow, it would become more cost effective.	This idea was considered as a potential action and was incorporated into the options analysis process.
555	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?	Other idea, is put the 10c deposit on almost every kind of container, and then A) people would notice it and start to think, maybe i should start to buy this stuff in something reusable, and B) the binners would get richer; they would have more things to take to the depots, which would be the concentrators where they can. The milk cartons; don't know what happens to them, to glass, etc. If there were 10x as much of it, then someone would figure out some some way to repurpose it	This idea was considered as a potential action and was incorporated into the options analysis process.

No.	Date	Source/Material	Organization/Group	Sector/ audience	Engagement Question/Sub-topic	Feedback comment/question	MV response
556	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	Metro could make it a lot easier for people to sort, and realize what needs to be sorted. The single use water container is a plague; it can't be reused, it's too thin. Eliminate it! He sees it in the news; what a disaster, they ship in thousands of these single use water bottles, but there are the water supply companies that deliver in the large containers - ship those out, and use small reusable permanent water bottles. That in itself would save a huge amount of waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
557	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	A lot of companies that make plastic develop new plastics for patent purposes; the government should restrain that and say, if you come up with a new plastic, you have to demonstrate that it can be economically recycled, otherwise you can't make it. That would help a lot. Eliminate single-use plastic. Create an education system about how plastics can be reused safely. E.g. 3D printing uses plastics; if they make items like hard shell cases that can be ground up and used in 3d printers, that'd be great. Plastic itself is not evil, it's that our waste of it is bad. Report for Master Recycler Vancouver's Collaborative	This idea was considered as a potential action and was incorporated into the options analysis process.
558	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	There aren't enough people at transfer stations to catch folks who are poorly operating - the transfer station is just one point; the haulers are bringing in waste from multiple buildings, so there's a bit of a MISS there. Accountability - it's hard when there's no MEANS of putting the accountability back on the individual within a multi-family building / strata. It seems to be missing something in that equation.	This idea was considered as a potential action and was incorporated into the options analysis process.
559	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	I think Metro already is beginning this campaign, but my suggestion is to reinforce in the mindset of the public that materials that go in your Recycle BC bin DO get properly recycled. The CBC report that came out 2 years ago that shows material is not recycled has grown wings and lives on in the minds of Canadians still, even though it's not true for BC's bales of material. That report turned many people from active participants in the recycling program into people who are ambivalent and half-heartedly participating (if at all).	This idea was considered as a potential action and was incorporated into the options analysis process.
560	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	In ALL new buildings the waste sorting area should be built sufficiently large	This idea was considered as a potential action and was incorporated into the options analysis process.
561	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	Provide more targeted education on what can and can't be recycled	This idea was considered as a potential action and was incorporated into the options analysis process.
562	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	Provide multilingual education about proper recycling. I do think that; you know, we said we have a few little advertisements, like the think thrice textiles campaign; Well, can we get similar things into our multicultural local channels and things like that, because we want EVERYBODY to know	This idea was considered as a potential action and was incorporated into the options analysis process.
563	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	Educating the children, getting it in the school system, so that kids can educate their families	This idea was considered as a potential action and was incorporated into the options analysis process.
564	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	Support programs for depot deliveries / help	This idea was considered as a potential action and was incorporated into the options analysis process.
565	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	Fund pilots for streetside / curbside organics bins	This idea was considered as a potential action and was incorporated into the options analysis process.
566	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	Host depots in public buildings. Encourage other public buildings to be waste depots; increase the number of depots	This idea was considered as a potential action and was incorporated into the options analysis process.
567	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	Promote expansion of EPR programs so that all items are covered	This idea was considered as a potential action and was incorporated into the options analysis process.
568	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	Mandate recycling, compost at public events	This idea was considered as a potential action and was incorporated into the options analysis process.
569	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What could Metro Vancouver do?	What is Metro Vancouver's authority in regulating the sale of goods? And the province, what are the barriers they have in sales prevention for different items? E.g. fast fashion, plastics. Prevent the sale of wasteful products.	This idea was considered as a potential action and was incorporated into the options analysis process.

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570	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	Repair Cafes: I'd like to see more of those offered on a donation basis, or organized by places that sell products. I went to Salvation Army and saw tons of kitchen appliances - instead of people putting things in the back alley, why isn't there a better system to give it to some place and they'll try to match it up with someone who will want it - if it's broken, can it be fixed before it goes into the landfill? Places don't fix it because there are no more parts in this thing; it's cheaper to buy a new one, and it's unfortunate that is the mentality - oh i need a new one of these things because buying a used one, isn't feasible. People need to shift that - I give away a lot of things that are useful for other people, but if people don't have that mentality, it just goes in the bin.	This idea was considered as a potential action and was incorporated into the options analysis process.
571	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	The Buy Nothing Groups are wonderful for redistributing stuff we no longer need	This idea was considered as a potential action and was incorporated into the options analysis process.
572	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	One thing about the composting system - evidently, there is packaging that is mixed, like the supposedly compostable bags - but that cannot go into the composting system. There could be some system that could compost them. Could we prioritize creating systems that actually can manage these materials?	This idea was considered as a potential action and was incorporated into the options analysis process.
573	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	An area we could really have a larger impact, with a lot of people, is community events. I see large-scale community events where there's a lot of food vendors, lots of thins going on, and even though there are recycling stations at many of the events, at the end of the day it's always a huge amount of garbage because of things being sold and used in doing these events. As she mentioned, she's trying to do at Trout Lake Community Center, they've been pushing to rethink how they do community events, by asking people if they provide food at an event, they'll think about food that's not requiring plates and utensils and bowls. This is something we could push for on a community level, and/or something to bring awareness of the kind of trash we create.	This idea was considered as a potential action and was incorporated into the options analysis process.
574	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	We need to support good coordination for events to have good diversion. With managed waste coordination, you can get 70 to 80% diversion.	This idea was considered as a potential action and was incorporated into the options analysis process.
575	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	Consistency - sometimes things are not consistent between companies, and between buildings. In our multi family building it seems like we get different information from time to time, and it seems like different buildings have different rules, so some kind of consistency would be really helpful.	This idea was considered as a potential action and was incorporated into the options analysis process.
576	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	Organizations that regularly host events	This idea was considered as a potential action and was incorporated into the options analysis process.
577	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	Farmer's markets	This idea was considered as a potential action and was incorporated into the options analysis process.
578	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	Public parks, parks board	This idea was considered as a potential action and was incorporated into the options analysis process.
579	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	Libraries	This idea was considered as a potential action and was incorporated into the options analysis process.
580	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	Community centers	This idea was considered as a potential action and was incorporated into the options analysis process.
581	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	Can Metro Vancouver work more with the upcoming or reuse cups - the reusables, the Sharewares, that concept that you put it into much more of a have-to-use?	This idea was considered as a potential action and was incorporated into the options analysis process.
582	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	One of the things I'd really love Metro to do is look at what's working in other places. When we were talking about Sharewares, in NYC, there's bins outside subways where you pop the sharewares things - it's so convenient to use the reusable cups for coffee, because you can drop them everywhere. In Vancouver, we drink a lot of coffee - but make it more of a process that (the stores) have to use (reusables). Like, everybody has to use reusable inside, and a percentage of your outgoing cups have to be reused; make it a requirement for companies.	This idea was considered as a potential action and was incorporated into the options analysis process.

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583	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	Even if it's made of wood, everything has to be reusable.	Keep materials in use as long as possible is a goal of the plan update.
584	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Collaboration Opportunities	How is it working worldwide? Where is it working well, and let's learn from them.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
585	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	A fantastic blue box system for packaging and paper and glass and plastic	Noted
586	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	The composting mandate - organics ban to landfill Report for Master Recycler Vancouver's Collaborative Engagement Activities 2024 10	Noted
587	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	In general, BCs EPR programs are numerous and dare I say robust. There are a good number of drop-off locations but one could argue we need more.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
588	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	The recycling collection is working well - she works in an apartment building which has a variety of bins beyond blue box - but not everyone is working in a MF building.	Make it easier to recycle effectively is one of the goals in the plan update.
589	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	Not everyone is able to drop off recyclables to the facility; because of transportation issues, in bulk, or traveling in cars. Having more DROP OFF STATIONS or PICK UP LOCATIONS would help more people to get into the action, especially for seniors who may have mobility issues and accessibility issues. This is another thing they've been doing at Trout Lake - volunteer-run pickup and drop off weekly; so they can collect things like styrofoam, plastic, batteries, electronics; and their volunteers, neighbours who can drop off once a week, and volunteers take it to the recycling station - that could be expanded on.	This idea was considered as a potential action and was incorporated into the options analysis process.
590	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	The EPR program has funded so much great infrastructure. MURFs, processors, collectors etc.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
591	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	The organics ban made us all switch to composting with relative ease 😊, residentially and commercially.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
592	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	As of January 1, 2025, Maple Ridge and Pitt meadows will have curbside pickup for Other Plastics. Remple is the hauler for this.	Noted
593	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	Garbage picked up weekly, but compost every other week. It helps people understand they have to cut back on their garbage because the cans are getting full. It's a good system to use	Noted
594	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	In my area, there are even some seasons where compost is only every 2nd week as well, which I think is good. The fact they're taking compost in the first place is amazing.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
595	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	The compost being taken away is good for folks who can't compost but I fill my compost bin every week, it's full to the top. I have 7 composters in my backyard, and 3 worm composters. Mind you, I've got a community garden in my backyard so we do have more stuff come in. I think providing GOOD QUALITY COMPOSTERS to people in their own yards, would be great. The ones we get right now don't last very long. They're great at first but parts of them come off, can't tell you how many I've gone through the past 20 years. I LOVE the idea of there being composting happening all over the place	This idea was considered as a potential action and was incorporated into the options analysis process.
596	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	Can we have a composter in parks? Have a compost bin and let people fill it up. Even though I know how much plastic and garbage ends up in there.	This idea was considered as a potential action and was incorporated into the options analysis process.
597	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	My goal is to have every house to have a compost bin in its backyard	This idea was considered as a potential action and was incorporated into the options analysis process.
598	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	The green bin is a wonderful system, and it has definitely diverted a tremendous amount of stuff from landfill, but it has STOPPED people from composting their green waste and garden waste in their own yards, which is a shame	Noted
599	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Wins - what's going well and shouldn't be changed?	Generally, in Metro Vancouver, we have one of the best systems of collecting, recycling, composting in the world. Not first not the greenest area, but we probably are one of the top municipalities in Canada, and possibly in North America, so we've got a good system, we just can't let go of the gas, we have to keep on making new ideas and new innovations	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!

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600	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What's going well and should be expanded on?	Metro Vancouver's reusables superhero social media campaign is compelling; this could be circulated with other groups and posters put up around town; also it could be expanded into recycling sorting	This idea was considered as a potential action and was incorporated into the options analysis process.
601	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What's going well and should be expanded on?	More drop-off stations	This idea was considered as a potential action and was incorporated into the options analysis process.
602	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What's going well and should be expanded on?	Some areas collect soft plastics in along with the recycling, I'd like to see Metro Vancouver add this to our collections. (response from another person) I absolutely love the idea of flexible plastics being curbside (and foam, and lightbulbs, and batteries, etc.)	This idea was considered as a potential action and was incorporated into the options analysis process.
603	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What's going well and should be expanded on?	but I fear the major hurdle will be lack of space in the older buildings to accommodate more streams. It would probably work better in single family first?	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
604	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What's going well and should be expanded on?	Ban of single use plastics - bags, straws used to be bane of my beefs at restaurants, throw away utensils.	This idea was considered as a potential action and was incorporated into the options analysis process.
605	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What types of information would be most helpful for you in furthering your understanding of rethinking and preventing waste in the first place?	This project / initiative is part of the larger initiative of the Zero Waste Conference - her organization is going to present to Metro that there needs to be ways in which we can communicate to newcomers to Canada; first generation immigrant Canadians. When she came here 8 years ago she had no idea about recycling, waste management, or the entire concept around what recycling was. There has to be some content that is delivered, keeping in mind different cultural sensitivities and different language.There are barriers faced by people not related to this land. And people who've been here for 20 to 25 years not acquainted with this system - we have to close that gap. One way Metro can ease that is by collaborating with those communities	This idea was considered as a potential action and was incorporated into the options analysis process.
606	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What types of information would be most helpful for you in furthering your understanding of rethinking and preventing waste in the first place?	Not only international newcomers, Canadians coming to BC from other provinces where recycling/composting is not as strong as here	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
607	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What types of information would be most helpful for you in furthering your understanding of rethinking and preventing waste in the first place?	I would like to see really good statistics, all the time, every year - how much we collected, how much ended up, where, how much money did it bring, how much money did MV make from the transfer stations, how much money was made by compost facilities to sell back compost to people all over? A LOT of statistics!	This idea was considered as a potential action and was incorporated into the options analysis process.
608	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What are some of the ways to engage with Metro Vancouver residents on rethinking and preventing waste in the first place?	Not everyone is on social media!	Noted
609	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What are some of the ways to engage with Metro Vancouver residents on rethinking and preventing waste in the first place?	Messaging needs to be fun as well. We created a postcard for Trout Lake Community Centre's Green Committee's "No Balloon" campaign, and also posted them on social media, which received the most views.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
610	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What are some of the ways to engage with Metro Vancouver residents on rethinking and preventing waste in the first place?	In person from the waste hauler. They're already coming to the building; if they're able to provide information to a resident, a strata council, a property manager first hand - here's some flyers, put them up, or waste haulers coming to a building to provide more outreach. Building on waste haulers - one of the challenges is there is not much accountability from them, they're just providing a service to get trash from here to there, there's not necessarily - some of them are there to make money first, they're not there to be the best movers and shakers in waste; so, somehow metro vancouver, the BC government, to put more responsibility and accountability to be a PART of the solution rather than just a part of the problem	This idea was considered as a potential action and was incorporated into the options analysis process.
611	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What are some of the ways to engage with Metro Vancouver residents on rethinking and preventing waste in the first place?	Not just one avenue, we need to attack it from different ways. The idea of people being OUT at more EVENTS explaining our waste system. Having people HAVE a table at those farmers markets, HAVE a table at our repair cafes, have people EXPLAIN what works and what doesn't work. At the Diwali Festival, why don't we have tables?	This idea was considered as a potential action and was incorporated into the options analysis process.
612	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What are some of the ways to engage with Metro Vancouver residents on rethinking and preventing waste in the first place?	Tables at schools and highschools, especially because those are the ones who will become the adults of the future	This idea was considered as a potential action and was incorporated into the options analysis process.

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613	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	What are some of the ways to engage with Metro Vancouver residents on rethinking and preventing waste in the first place?	We have to teach the teachers. I am always having to teach the teachers, it drives me CRAZY how many adults do not know. There's a lot of people I would give up on at this point.	This idea was considered as a potential action and was incorporated into the options analysis process.
614	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	Reinforcing; leaning on retailers - they're one of the chains of custody of waste materials, recycled materials, they're the ones that seem to be the least engaged, least incentivized, least motivated. All the other stakeholders have made so many efforts to engage and incentivize them, and provide a pathway to choose packaging free or reduce waste in general, maybe that's the one stakeholder that we still have that really hasn't been engaged. I love seeing them pop up, but in the recent years, many of them have gone out of business - not enough people are supporting them - the bulk stores like Refilleries and Nada Grocery	This idea was considered as a potential action and was incorporated into the options analysis process.
615	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	A question - a few years ago, Metro Van or CoV were going to have an app that you could put in and check if this thing is recyclable; not sure if that still exists - is there something LIKE that? Now that technology and AI are big. She's been to Globe many times and there's often a machine that will sort recycling for you - but maybe using some of that technology in those ways	This idea was considered as a potential action and was incorporated into the options analysis process.
616	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	There are options like https://recyclebc.ca/what-can-i-recycle/, VanCollect, and RCBCs Recyclopedia, 311	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
617	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	What was just said about the blue bin being a barrier to people actually making better decisions about what they buy - What was said about getting STATISTICS, for ME, seeing the statistics about how POORLY we are doing with the amount of recycling, and how recycling is NOT the answer - I think this makes people think twice about what they buy. If we are giving statistics that say ; ah, this much is recycled, isn't that great? Then people will be buying things that are recyclable because they think it's getting taken care of. But if i see a static that says 9% or even 20% and THEREFORE please don't buy things that are plastic, i might look for another option, look more strongly for another option	This idea was considered as a potential action and was incorporated into the options analysis process.
618	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	One thing - the COST of garbage collection is hidden from people. You only find out about it if you have a property tax bill, you can see buried under the MV part there, there's an amount for garbage collection based on the size of container you have, which is for a single family dwelling. It would be good if that was this reminder MORE than once a year!	This idea was considered as a potential action and was incorporated into the options analysis process.
619	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	They could make - there are 3 sizes of garbage bins - for a single family house - maybe there could be a fourth one, you pay even less if you waste less. The size sets the expectation for how much you waste, so include an even smaller one	This idea was considered as a potential action and was incorporated into the options analysis process.
620	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	If you don't put garbage out for 3 different collection dates, you get a rebate. That could take a lot of management, though.	This idea was considered as a potential action and was incorporated into the options analysis process.
621	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	I think for me - educate kids and look around the world to see what's working in other places	This idea was considered as a potential action and was incorporated into the options analysis process.
622	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	We need to be more aware of what actually happens with our waste; how little is recycled, how degraded recycling quickly becomes, how much it costs us, individually, AND what alternate options are available, then I would expect that people might vote with their wallet by making better choices about the products that they buy.	This idea was considered as a potential action and was incorporated into the options analysis process.

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623	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	"Recyclable container" - whether of glass, plastic or metals - is a greenwashing campaign by Big Industry aimed to make consumers feel better about participating in the polluting of our water, land, animals, bodies and air through the production, transportation and disposal of the products that Industry produces for us to buy and consume. And we should call it what it is. It's bad enough that so little of what we throw into the bin actually gets recycled - about 9% annually, according to various sources. And that, in the case of plastic, the quality deteriorates with each recycling to the point that we are ultimately creating more "trash." In my opinion, the reality that we, as stewards of the earth, have to wrap our heads around, is that "single use" - regardless of the material of the container - is, by definition, the opposite of "green." The solution to stop further pollution of waters, land, air, animals and people is not the continued mass manufacture of yet a greater variety of things for us to use once and then discard of - whether that's by chucking it into the trash, the blue bin, or just straight out the door. It's for us, as individuals, to recognise the fraud. And then, to whatever degree we each are able, to decrease our participation in a system that normalises the production of waste as being inevitable when, with a little creative thinking and a small adjustment in attitude, we can find ways to meet our needs that don't rely upon the production of more waste, necessarily, at all.	Minimize waste generation to prevent waste and use less is a goal for the plan update.
624	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	You need to make it not socially acceptable to throw items away that can be reused, repaired or recycled. Reference the "Participaction" campaign in the seventies that got a generation of Canadians moving and investing more in their own health	This idea was considered as a potential action and was incorporated into the options analysis process.
625	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	Build social norms and apply community-based social marketing principles to create a reuse, recycling, circular culture, making that the default option by making it cheaper and easier to do	This idea was considered as a potential action and was incorporated into the options analysis process.
626	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	Promote simple, and not costly or financially restrictive shifts in consumer behavior to reduce possible waste products at the source, before it reaches the household.	Minimize waste generation to prevent waste and use less is a goal for the plan update.
627	16-Oct-24	Workshop Notes	Master Recycler Vancouver	SPEC and Master Recycler community	Closing Discussion	Promote conversations that instill the values of waste reduction as a community responsibility and benefit.	This idea was considered as a potential action and was incorporated into the options analysis process.
628	17-Oct-24	Coffee cup revolution event	Binners	Public members-at-large	N/A	Hard to keep doing the good work of washing and sorting recycling when neighbours are just throwing everything in the trash -Similar comment about hard to do the work when items just end up in the landfill (related to building confidence in the recycling system)	Make it easier to recycle effectively is one of the goals in the plan update.
629	17-Oct-24	Coffee cup revolution event	Binners	Public members-at-large	N/A	Waste-to-energy is bad for the environment, we shouldn't eat any food that grows within a certain radius of a waste-to-energy facility	Dispose only as a last resot is one of the goals in the plan update. Metro Vancouver's waste-to-energy facility meets or exceeds regulatory requirements.
630	17-Oct-24	Coffee cup revolution event	Binners	Public members-at-large	N/A	In multifamily buildings, people suggested to implement a share shelf (for items that can be reused)	This idea was considered as a potential action and was incorporated into the options analysis process.
631	17-Oct-24	Coffee cup revolution event	Binners	Public members-at-large	N/A	For multifamily: Organize group recycling depot trips (organizing a schedule to take all items from building residents at once)	This idea was considered as a potential action and was incorporated into the options analysis process.
632	17-Oct-24	Coffee cup revolution event	Binners	Public members-at-large	N/A	For multifamily: Support for the building ambassador program (Master Recyclers)	This idea was considered as a potential action and was incorporated into the options analysis process.
633	17-Oct-24	Focus Group Notes	Canadian Beverage Association	Beverage Retailers		Regarding accountability, we're focused on research and advocacy, including expanding types of materials under Extended Producer Responsibility (EPR). Can you provide more details about new EPR priorities or recycling management?	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
634	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy	Focus on environmental health, use doughnut economy approach to meet social needs while staying within planetary boundaries.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.
635	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy	Circular economy approach. The circular economy extends the value of products when done properly, this is integral to sustainable consumption and we need to pivot away from waste, e.g. York Region comprehensive CE approach. We need to look to Belgium and other regions for better models for reuse and eco centres.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan.

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636	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy	Pursue being part of a deeply interconnected system where material streams are not waste, they are material routes.	A thriving region where nothing is waste and resrouces are valued is the vision statement for the plan update.
637	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy	Link actively to climate change and scope three emissions, consumption-based GHG emissions.	This idea was considered as a potential action and was incorporated into the options analysis process.
638	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy	Use a climate lens to evaluate built environment work across departments and sectors, factor in embodied energy, displaced virgin materials and job creation.	This idea was considered as a potential action and was incorporated into the options analysis process.
639	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy	Consider the full lifecycle management of the product.	This idea was considered as a potential action and was incorporated into the options analysis process.
640	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy	Use an environmental justice approach to sustainability, incorporate Indigenous knowledge and practices into policy and program approaches.	A solid waste system that is resilient to climate change and future challenges is one of the guiding principles of the updated plan.
641	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy	Address poverty and social equity as part of seeking waste prevention and reduction solutions.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
642	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy	Words matter. Shift mindset and language, eliminate the word waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
643	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Optimize the Pollution Prevention Hierarchy	Waste prevention. Eliminate materials from the wastestream through policy. Don't be afraid to use policy to say 'don't do that' as with the case of California and eliminating false reuse bags with regulatory solutions. In Metro Vancouver, education was used to approach the wipes issue re wastewater treatment challenges, but it needed a system change/ban/producer level approach to run concurrently.	This idea was considered as a potential action and was incorporated into the options analysis process.
644	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Optimize the Pollution Prevention Hierarchy	Focus on prevent and reduce, reduce all volumes even if recycled.	Minimize waste generation to prevent waste and use less is a goal for the plan update.
645	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	Decommission the incinerator, don't use cement kilns for plastic or other recyclables.	This idea was considered as a potential action and was incorporated into the options analysis process.
646	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	Use the pollution prevention hierarchy; cement kilns taking plastic and other products is NOT recycling and shouldn't be counted as such. If we don't know where we are with accurate metrics, it's hard to see where we are going.	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
647	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	Using the hierarchy also reduces toxins. Burning with impact to air quality and production of ash with toxins needs a full analysis with science behind it. It is also counter to a circular economy approach that extends product life and uses outputs as inputs to new systems. In some regions, there is already landfill mining in place to recover resources; if we burn items, we lose that opportunity.	Enable circular systems that preserve the value or resoures and transition to a circular economy is a goal of the plan. Waste prevention is the highest priority.
648	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	No incineration or cement kiln for burning garbage. Cement kiln purports to be a solution for waste, it's an issue of distortion and doesn't consider downstream effects re: air pollution, carbon cost of processing cement. The projected co-benefit of producing energy and destroying waste sounds good only at first. It doesn't factor the external costs, impact on climate change and reduction of air quality. We need renewables focus; e.g., using solar for electric systems as is being done in Europe for steel manufacturing.	This idea was considered as a potential action and was incorporated into the options analysis process.
649	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	Don't use cement kilns for plastics and other municipal solid waste that should be designed out, used as a commodity.	This idea was considered as a potential action and was incorporated into the options analysis process.
650	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	District heating is greenwashing. There is excess heat, it's already showing as being inefficient and then the infrastructure is being tied to an energy source that is proven to cause harm.	Noted
651	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	No chemical recycling or other burning that drains in the circular economy that enables poor product design.	This idea was considered as a potential action and was incorporated into the options analysis process.

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652	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	Disposal infrastructure challenges - chemical recycling is a fantasy, it doesn't reduce GHGs and it contributes to the continuous use of fossil fuels. We have already set policy to reduce GHGs to mitigate climate change, so it doesn't make sense to build infrastructure that counters those policies and causes harm. Recognize the link between fossil fuels and maintaining oil and gas extraction infrastructure and the benefit to the plastics industry, including the recycling infrastructure side of it.	Dispose only as a last resot is one of the goals in the plan update.
653	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	Reinforce that there is no AWAY, the recent history of garbage links to a patriarchal landowner system where they got together to make garbage go away.	This idea was considered as a potential action and was incorporated into the options analysis process.
654	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	Don't burn materials, no thermal treatment offers a long-term solution.	This idea was considered as a potential action and was incorporated into the options analysis process.
655	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	Use products better, integrate regenerative practices including for biomass, and account for carbon sequestration as part of organics management.	This idea was considered as a potential action and was incorporated into the options analysis process.
656	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Use a No Burn Approach for Disposal	Review the true validity of using aging incinerator infrastructure with a new district heating system, it's costly and not sustainable. Explore other renewable energy sources for district heating and conduct full cost accounting for incinerator infrastructure compared to landfill as we continue to reduce waste and recover materials.	Metro Vancouver has GVS&DD Board direction proceed with the district energy project, which will reduce greenhouse gas emissions, triple the energy recovery potential of the waste-to-energy facility, and provide heat/hot water for up to 50,000 homes. In spite of the region's success in reducing waste, approximately 1,000,000 tonnes per year of garbage from residential commercial and institutional sources require disposal. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling.
657	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Fund Upstream Solutions and Scale Up Reuse	Review what's in the waste stream, then tailor reuse and repair based on what can be moved, back it with policy and don't limit to looking through the lens of EPR.	This idea was considered as a potential action and was incorporated into the options analysis process.
658	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Fund Upstream Solutions and Scale Up Reuse	Use reverse logistics to move products back through the supply chain to optimize reuse and recycling are key locally and beyond, existing systems need to be retooled to bring materials back into the economy.	This idea was considered as a potential action and was incorporated into the options analysis process.
659	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Fund Upstream Solutions and Scale Up Reuse	We need solutions beyond curbside programs and basic recycling.	Make it easier to recycle effectively is one of the goals in the plan update.
660	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Fund Upstream Solutions and Scale Up Reuse	We need reuse capacity as part of our facilities and infrastructure, with strong partnerships to move materials and stimulate the economy.	This idea was considered as a potential action and was incorporated into the options analysis process.
661	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Fund Upstream Solutions and Scale Up Reuse	We need to normalize reverse logistics, plan for the full life cycle of an item, consider biological and technology cycles.	This idea was considered as a potential action and was incorporated into the options analysis process.
662	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Fund Upstream Solutions and Scale Up Reuse	Existing smaller scale reuse models don't scale per se, we need to think more broadly and build partnerships and relationships to seek and implement solutions.	This idea was considered as a potential action and was incorporated into the options analysis process.
663	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Fund Upstream Solutions and Scale Up Reuse	We need to tie into logistics to solve problems, home moving is an example. We need to increase knowledge in the trades, avoid landfill use, and overcome lack of convenience challenges for reuse and repair programs and systems.	This idea was considered as a potential action and was incorporated into the options analysis process.
664	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Optimize Interdisciplinary and Community-based Solutions	Create a joint task force for interdisciplinary approach to solid waste across disciplines and sectors, be part of a broader approach that ties into broader ecosystem health, hydrological systems, and use of Indigenous traditional knowledge.	This idea was considered as a potential action and was incorporated into the options analysis process.
665	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Optimize Interdisciplinary and Community-based Solutions	Solution to reducing waste is collaboration and cross-disciplinary understanding. Consider health, climate change, carbon costs and what is needed for future generations. Maintain biodiversity, work across Ministries, level of government, and disciplines.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
666	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Optimize Interdisciplinary and Community-based Solutions	We need an interdisciplinary approach beyond engineers to include planners, entrepreneurs and innovators; collaborate with industry and allies in economic development spaces, not just solid waste. Influence product design and purchasing. Local governments can play a convener role and add resources, and create a policy statement toward upstream solutions.	This idea was considered as a potential action and was incorporated into the options analysis process.

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667	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Optimize Interdisciplinary and Community-based Solutions	Avoid the pattern of downloading many programs and initiatives to municipalities, maintain an aligned approach across levels of government.	This idea was considered as a potential action and was incorporated into the options analysis process.
668	17-Oct-24	InterviewNotes	Zero Waste BC	Public members-at-large	Optimize Interdisciplinary and Community-based Solutions	Need community level approach to solutions, e.g., One Planet Saanich.	This idea was considered as a potential action and was incorporated into the options analysis process.
669	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Number of transfer stations and bottle depots, network of locations.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
670	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Encouragement of binners.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
671	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Collaborations with the health authority and BC Housing.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
672	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Regional approach for education - food scraps, reduction campaigns, more inclusive to all communities.	Inclusivity is one of the guiding principles of the updated solid waste management plan.
673	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Metro Vancouver sharing communications resources with other local governments.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
674	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Be a waste hero campaign.	Your effort counts! Actions like you take every day has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!
675	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Growth of reuse takeout platforms.	Keep materials in use as long as possible is a goal of the plan update.
676	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Face-to-face contact for engagement - partnerships for reuse.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
677	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Working with offices (lunch and learns) and education on reuse, e.g., get everyone to bring their own coffee cup.	This idea was considered as a potential action and was incorporated into the options analysis process.
678	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	C&D waste - exploring barriers for reuse, developing toolkit, create tools for people to deconstruct.	Keep materials in use as long as possible is a goal of the plan update.
679	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Digital infrastructure - more information about repair cafes, reuse.	Keep materials in use as long as possible is a goal of the plan update.
680	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Carpet collection in Coquitlam.	Recover resources from non-recyclable materials is a goal of the updated plan.
681	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Mattress collection even though not in EPR.	Recover resources from non-recyclable materials is a goal of the updated plan.
682	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Relocating houses, decreasing construction waste - seeing more of these projects.	Keep materials in use as long as possible is a goal of the plan update.
683	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Current Successes	Need more of the businesses like Chopped Value to use these materials in an innovative way.	This idea was considered as a potential action and was incorporated into the options analysis process.
684	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Not enough data for community members and organizations. Waste composition pie charts all look the same. What is the nuance? Need more transparency on what the numbers are. Waste flow changes by month, need seasonal information on composition.	This idea was considered as a potential action and was incorporated into the options analysis process.
685	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Embodied carbon - Can't tell who at Metro Vancouver is getting engaged in this space. Silos in Metro Vancouver between departments. Need ways to get departments more connected to work together on reducing waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
686	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Multi-family mixed residential buildings have very limited infrastructure and systems for implementing policies. Not able to easily get that changed.	A solid waste and recyling system that is affordable, convenient, and consistent across the region is a guiding principle for the plan update.
687	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	TRU certifications - use those to inform the SWMP.	This idea was considered as a potential action and was incorporated into the options analysis process.

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688	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Disaster debris based on individual communities. Need more on mitigation. Asbestos is a major barrier. After a major event, have a lot of material to remove. How do you remove this material before it is damaged? Example: US has tool lending libraries to protect homes and not create debris in the first place. How to build homes for deconstruction?	This idea was considered as a potential action and was incorporated into the options analysis process.
689	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	GHG emissions - methane from paper/cardboard, should go back to the product manufacturers. Need ICI regs for businesses.	This idea was considered as a potential action and was incorporated into the options analysis process.
690	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Time - not enough movement making in the time we have.	Noted
691	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Greenwashing - public entities should report on the same guidelines and get transparency. Clear bags for the commercial sector to increase transparency.	This idea was considered as a potential action and was incorporated into the options analysis process.
692	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Education programs - systems are fragmented from an end-user experience, EPR organization name doesn't match the material being recycled.	Keep materials in use as long as possible is a goal of the plan update.
693	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Pushing the Recyclopedia app more.	This idea was considered as a potential action and was incorporated into the options analysis process.
694	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Gap - Awareness to action falling on individual municipalities, Metro Vancouver can better support them and encourage practical action.	This idea was considered as a potential action and was incorporated into the options analysis process.
695	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Regular person not able to easily understand the waste landscape.	Make it easier to recycle effectively is one of the goals in the plan update.
696	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	One-stop shop is needed (e.g., VSTS).	This idea was considered as a potential action and was incorporated into the options analysis process.
697	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Waste hierarchy - a lot of the education is about the middle of the hierarchy because the funding comes from the municipality.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
698	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Higher level concepts are missing, but concern about anti-economy.	Noted.
699	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Municipalities cannot push the reduce and reuse parts.	Accountability is one of the guiding principles of the updated solid waste management plan.
700	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Who is going to fund the work at the top of the hierarchy?	Issues such as affordability were considered in developing evaluation criteria for potential strategies and actions for the updated solid waste management plan. Actions that address this issue as well as others are more likely to be included in an updated plan.
701	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	There are jobs in reuse and repair - need to show that.	This idea was considered as a potential action and was incorporated into the options analysis process.
702	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Difficult to have funding for schools for things that aren't just recycling (Encorp funds a lot of education on returning containers).	Inclusivity is one of the guiding principles of the updated solid waste management plan.
703	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	SLRD funds education in schools.	Noted.
704	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	EPR trickles to the consumer, need to incentivize both the producer and the consumer.	This idea was considered as a potential action and was incorporated into the options analysis process.
705	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Example: Bought flowers and the flowers come in plastic wrap that could go back to store.	This idea was considered as a potential action and was incorporated into the options analysis process.
706	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Could there be programs for companies to incentivize reuse, norming it, see the benefit of reduction, and have space to try different things (e.g., reverse logistics)?	This idea was considered as a potential action and was incorporated into the options analysis process.
707	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Need milkman programs to come back.	This idea was considered as a potential action and was incorporated into the options analysis process.
708	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	More incentives for consumers and companies for reuse, especially items that are widely dispersed like bags.	This idea was considered as a potential action and was incorporated into the options analysis process.
709	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Is there a role for Metro Vancouver, working with chambers of commerce, to encourage return to retail?	This idea was considered as a potential action and was incorporated into the options analysis process.

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710	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Tree permitting doesn't recognize that large trees should be protected, no bylaws for required salvage.	Noted.
711	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	No one knows how much sequestered carbon is lost when trees are turned into firewood.	Noted.
712	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Lack of awareness of what has more or less utility. If they knew it could have been reused, then they can recover it.	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
713	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Not having someone on-site to do source separation, can get the materials to higher and better uses.	This idea was considered as a potential action and was incorporated into the options analysis process.
714	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Chopping down wood into smaller pieces to get it into a hopper. How to get the wood to reuse BEFORE it gets to that point? Need to change on-site logistics to stop things from becoming waste, change the process and divert more.	This idea was considered as a potential action and was incorporated into the options analysis process.
715	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Time is limited, using that as an incentive, like making permitting faster if you deconstruct instead of demolish.	This idea was considered as a potential action and was incorporated into the options analysis process.
716	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Examples of success: Carpet separation in Coquitlam. Over time, more contractors were separating when the infrastructure (designated spot) was there and habits started happening.	This idea was considered as a potential action and was incorporated into the options analysis process.
717	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Clean Farms in Northern BC to collect agricultural plastics.	Collaboration is one of the guiding principles of the updated solid waste management plan.
718	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Enforce habits and incentivize them with the industry (e.g., contractors, farmers).	Metro Vancouver will consider this feedback when implementing the plan.
719	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Some upcycling initiatives may be creating more waste down the road, like Chopped Value. The products are not recyclable or compostable.	Transparency about what happens to waste is one of the guiding priciples of the updated solid waste management plan.
720	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Gap in new processes and methods to recycle items that currently are not recyclable.	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
721	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Gray area, could some of the new businesses or initiatives be a stepping stone towards better systems?	Collaboration is one of the guiding principles of the updated solid waste management plan.
722	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Big corporations not being held accountable, being trickled down to the individuals who end up being responsible instead.	Accountability is one of the guiding principles of the updated solid waste management plan.
723	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Sometimes cannot start programs - chicken and egg problem of not having a processor for a material, so cannot separate it, which then doesn't incentivize getting a processor.	Collaboration is one of the guiding principles of the updated solid waste management plan.
724	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Technologies are needed, but still a lot is behavior change.	Accountability is one of the guiding principles of the updated solid waste management plan.
725	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Higher pricing for disposal compared to separation to save tipping fees.	This idea was considered as a potential action and was incorporated into the options analysis process.
726	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Neighbourhood reuse groups on Facebook - the 10x10 block area makes reuse opportunities very accessible and co-benefit of building community.	Reuse is part of the draft hierarchy for an updated solid waste management plan.
727	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Is there something we can learn from these groups in terms of building networks for reuse? Possibly trying return to retail with a Business Improvement Association?	Collaboration is one of the guiding principles of the updated solid waste management plan.
728	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	No salvage options at transfer stations.	This idea was considered as a potential action and was incorporated into the options analysis process.
729	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Need staff to be intercepting every load and educating.	This idea was considered as a potential action and was incorporated into the options analysis process.
730	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Providing all reuse options at transfer stations (ahead of the scale / before it touches the ground).	This idea was considered as a potential action and was incorporated into the options analysis process.
731	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Need health impacts to be more clear and engage more with health officer involvement.	Emissions from the Waste-to-Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits.
732	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Barriers and Key Challenges, Missing Actions	Start at the top with design, design out waste, find ways to keep upcycling materials.	Rethink is part of the draft hierarchy for an updated solid waste management plan.

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733	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Collaboration Opportunities	Partnerships with organizations to take materials for reuse before they get to transfer stations.	This idea was considered as a potential action and was incorporated into the options analysis process.
734	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Collaboration Opportunities	How can you have municipalities work with private contractors or companies, not just non-profits?	This idea was considered as a potential action and was incorporated into the options analysis process.
735	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Collaboration Opportunities	Municipalities all almost exclusively work with the traditional process of tendered bidding and rarely respond to unsolicited proposals for waste diversion solutions.	Noted.
736	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Collaboration Opportunities	Cross-utility between companies and work together with smaller producers.	Collaboration is one of the guiding principles of the updated solid waste management plan.
737	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Other Feedback	A lack of knowledge among residents. People just don't know about opportunities to reuse.	Metro Vancouver will consider this feedback when implementing the plan.
738	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Other Feedback	Dumping lots of wood at the transfer station (hundreds of dollars).	Accountability is one of the guiding principles of the updated solid waste management plan.
739	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Other Feedback	Scamming from greenwashing. Getting people to understand what's going on.	Accountability is one of the guiding principles of the updated solid waste management plan.
740	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Other Feedback	Messaging: Not have the people at the bottom need to do the most amount of work (justice), bigger things not being resolved.	Accountability is one of the guiding principles of the updated solid waste management plan.
741	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Other Feedback	Engaging people with the incentives.	Metro Vancouver will consider this feedback when implementing the plan.
742	17-Oct-24	Workshop Notes	Zero Waste BC	Public members-at-large	Other Feedback	Need health authority collaboration on air and water quality.	Collaboration is one of the guiding principles of the updated solid waste management plan.
743	18-Oct-24	Focus Group Notes	Canadian Beverage Association	Beverage Retailers		The beverage sector has a high return rate for plastic bottles. We believe it's essential that the beverage industry's success is recognized, and that the lifecycle of products is shown to the public.	We agree on the importance of showing people what is already being done. Under the topic of Leveraging Knowledge, we'd like to learn more about this. While there is substantial recycling activity, there's a gap in market demand for recycled products. We're interested in discussing ideas to help build these markets.
744	19-Oct-24	Focus Group Notes	Canadian Beverage Association	Beverage Retailers		We suggest connecting with Sidney Koontz from Encorp Pacific as a resource or for further engagement. CBA is an official member of Encorp Pacific. We continue to perform at high levels (80% rate), exceeding the average. PET (Polyethylene terephthalate) are in demand as raw materials for plastic bottles in a developed marketplace. Contacting Sidney Kuo could be beneficial for engagement.	Metro Vancouver will consider this feedback when implementing the plan.
745	20-Oct-24	Focus Group Notes	Canadian Beverage Association	Beverage Retailers		Building confidence in recycling is a priority for us too. A partnership with Encorp Pacific could be beneficial in building confidence. CBA is interested in potential areas for collaboration in this aspect.	Collaboration is one of the guiding principles of the updated solid waste management plan.
746	24-Oct-24	Meeting Summary	FVRD Board	Local Government		Mostly questions about waste-to-energy; clarifying intent with respect to increasing capacity, and also questions about regulatory requirements. Desire to collaborate more particularly with advocacy through the NZWC for things like packaging and design (further advancing waste prevention)	Issues such as capacity, regulatory requirements, collaboration, and innovation were considered in developing evaluation criteria for potential strategies and actions for the updated solid waste management plan. Actions that address these issues as well as others are more likely to be included in an updated plan.
747	26-Oct-24	Focus Group Notes	Ocean Wise	Public members-at-large	Warm up: How do we eliminate waste?	Reuse and use of Facebook Marketplace, Habitat for Humanity, and Urban Repurpose (though some items are not accepted).	Reuse is part of the draft hierarchy for an updated solid waste management plan.
748	27-Oct-24	Focus Group Notes	Ocean Wise	Public members-at-large	Warm up: How do we eliminate waste?	Shopping at Bulk Barn.	Rethink is part of the draft hierarchy for an updated solid waste management plan.
749	28-Oct-24	Focus Group Notes	Ocean Wise	Public members-at-large	Warm up: How do we eliminate waste?	Encouraging workplaces to bring their own cutlery.	This idea was considered as a potential action and was incorporated into the options analysis process.
750	29-Oct-24	Focus Group Notes	Ocean Wise	Public members-at-large	What do you see as the primary challenges or barriers we face in addressing waste reduction?	Leftover waste/garbage after shopping—suggested giving packaging back to facilities for reuse.	This idea was considered as a potential action and was incorporated into the options analysis process.
751	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What actions do you take to eliminate waste?	I refurbish goods e.g. shoes, electronics etc. I'll retread shoes and give them for life.	Reuse is part of the draft hierarchy for an updated solid waste management plan.
752	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What actions do you take to eliminate waste?	Arts and crafts	Reuse is part of the draft hierarchy for an updated solid waste management plan.

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753	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What actions do you take to eliminate waste?	Clothing! Donate clothes or used clothes.	Reuse is part of the draft hierarchy for an updated solid waste management plan.
754	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What actions do you take to eliminate waste?	Encourage folks to reuse or buy second-hand clothing	Metro Vancouver will consider this feedback when implementing the plan.
755	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What actions do you take to eliminate waste?	Try to purchase organic where possible. Better fabrics.	Rethink is part of the draft hierarchy for an updated solid waste management plan.
756	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What actions do you take to eliminate waste?	Buy things on the street. It's cheaper!	Rethink is part of the draft hierarchy for an updated solid waste management plan.
757	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What actions do you take to eliminate waste?	On my days off , I go binning to get people to save their cans.	Rethink is part of the draft hierarchy for an updated solid waste management plan.
758	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Challenges with the current system	What are we doing with the systems we have in place right now?	The updated plan will build on the successes of the current plan and identify how our region can continue to reduce waste, increase reuse and recycling, reduce greenhouse gas emissions, and work towards a circular economy.
759	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Challenges with the current system	Government	Collaboration is one of the guiding principles of the updated solid waste management plan.
760	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Challenges with the current system	Not having the motivation or commitment from the public	Metro Vancouver will consider this feedback when implementing the plan.
761	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Challenges with the current system	Variations in lifestyles across the city. We live a fast-paced lifestyle where we aren't thinking about how to make things better if it changes our lifestyle. E.g. young mums disposing of diapers. The can't keep up with the demand to consider better and more environmentally beneficial diaper disposal options.	Metro Vancouver will consider this feedback when implementing the plan.
762	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do?	Make it easier for people to communicate challenges with Metro on an ongoing basis. For example, make an app where people could report problems by taking photos and uploading them for review. For example, if there is a problem or inconsistency with bins then binners could relay that information.	This idea was considered as a potential action and was incorporated into the options analysis process.
763	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do?	Make it less expensive to do the right thing. Enforce a deduction or incentive to do the right by recycling eff orts. E.g. Invest in a collection service.	This idea was considered as a potential action and was incorporated into the options analysis process.
764	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do?	Flip the prices around. Ay less to get the good stuff and make it more expensive to buy the cheap stuff .	This idea was considered as a potential action and was incorporated into the options analysis process.
765	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Who could Metro Vancouver collaborate with?	Try different collaborations!	Collaboration is one of the guiding principles of the updated solid waste management plan.
766	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Who could Metro Vancouver collaborate with?	Local politicians	Collaboration is one of the guiding principles of the updated solid waste management plan.
767	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Who could Metro Vancouver collaborate with?	Stadium level, in-person, consultations system where community members could come and vote on various waste management issues/practices. Make it an open invite to everyone.	Metro Vancouver will consider this feedback when implementing the plan.

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768	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Who could Metro Vancouver collaborate with?	Engage with schools, universities, and art projects, to create a festival of recycled sculptures and encourage engagement/investment in recycling from the community. A lot of people in the DTES would love to tap into that creative component.	This idea was considered as a potential action and was incorporated into the options analysis process.
769	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Who could Metro Vancouver collaborate with?	Engage with artists and incorporate recycled art into our natural landscape.	This idea was considered as a potential action and was incorporated into the options analysis process.
770	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Who could Metro Vancouver collaborate with?	Partner with food banks to reduce waste and educate.	This idea was considered as a potential action and was incorporated into the options analysis process.
771	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Who could Metro Vancouver collaborate with?	Facilitate a collaboration between local farmers, local food deliveries, and DTES to reduce carbon footprint.	This idea was considered as a potential action and was incorporated into the options analysis process.
772	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What can Metro Vancouver do to reach residents?	In-person surveys.	Metro Vancouver will consider this feedback when implementing the plan.
773	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What can Metro Vancouver do to reach residents?	Reflect on what has worked well in the past and make the necessary adjustments	Metro Vancouver will consider this feedback when implementing the plan.
774	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What can Metro Vancouver do to reach residents?	Social media - cool engagements that are up with the trends! Collaborate with youths.	This idea was considered as a potential action and was incorporated into the options analysis process.
775	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What can Metro Vancouver do to reach residents?	Hand-delivered notices to residents	This idea was considered as a potential action and was incorporated into the options analysis process.
776	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What can Metro Vancouver do to reach residents?	Connect with local organizations to engage residents in the DTES	Metro Vancouver will consider this feedback in future engagement and outreach.
777	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What can Metro Vancouver do to reach residents?	Create a Metro Vancouver newspaper to share with residents	This idea was considered as a potential action and was incorporated into the options analysis process.
778	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are the main actions you take to eliminate waste?	Recycle home supplies and shop at thrift stores. Donate to second-hand stores so that others can use it.	Reuse is part of the draft hierarchy for an updated solid waste management plan.
779	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are the main actions you take to eliminate waste?	Separate and divert paper, plastic, garbage and compost as much as possible, while encouraging and educating others to do the same.	Recycle is part of the draft hierarchy for an updated solid waste management plan.
780	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are the main actions you take to eliminate waste?	Recycling, and repairing furniture. By refurbishing goods such as shoes and electronics, new life is given to these products.	Reuse is part of the draft hierarchy for an updated solid waste management plan.
781	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What are the main actions you take to eliminate waste?	Try to buy things that will last longer so they use less, "quality over quantity".	Rethink is part of the draft hierarchy for an updated solid waste management plan.
782	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Public knowledge isn't widely known about how to divert waste. A lot of people just don't know [about recycling or their consumer habits]! I've seen and met people in condos who have no idea how to dispose of waste, but apartment buildings also don't have a good infrastructure to support waste diversion.	Metro Vancouver will consider this feedback when implementing the plan.
783	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Improper or inconsistent availability of specific bins for organics, needles and diapers in housing sites. When there is a lack of access to needle boxes, people just put them in the waste, contaminating the bag and making it dangerous for binners. Diapers become a problem because they spoil everything else in the bag.	Metro Vancouver will consider this feedback when implementing the plan.
784	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Plastic packaging! There is thin plastic packaging everywhere and not a good system to dispose of it. Some packages can't be reused or recycled e.g. veggie bags.	Noted.
785	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Things are not made to be fixed. Things are made to be disposed of. Electronics are a great example because we no longer take them to a store to be fixed, you have to either return them to a manufacturer or dispose of them.	Rethink is part of the draft hierarchy for an updated solid waste management plan.
786	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Most large retail spaces produce a lot of packaging and recycling. They should be required to hire people to sort and divert waste. There is less connection between the leadership of these large spaces and the actual waste they produce and what happens to it. Potential financial opportunities are being missed.	This idea was considered as a potential action and was incorporated into the options analysis process.

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787	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What do you see as the challenges and barriers?	Not having the motivation or commitment from the public. We live a fast-paced lifestyle where we aren't thinking about how to make things better, especially if changes will impact the lifestyle that we enjoy.	Metro Vancouver will consider this feedback when implementing the plan.
788	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do to address these challenges?	Create a robust marketing campaign to help educate and also highlight the successes of the system. Market it across various outlets to reach residents connected to the internet and those not, E.g., YouTube, posters, person-to-person, surveys, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
789	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do to address these challenges?	In-person meetings where people can come to attend and learn about the waste systems and how to be a more active participant in waste diversion. Share information on where people can go to fix, buy or recycle things.	This idea was considered as a potential action and was incorporated into the options analysis process.
790	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do to address these challenges?	Create more incentives for reuse and proper waste diversion e.g. coffee cups, mattresses, and building more drop-off locations.	This idea was considered as a potential action and was incorporated into the options analysis process.
791	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do to address these challenges?	Make it easier for people to communicate challenges with Metro Vancouver on an ongoing basis. For example, make an app where people can report problems by taking photos and uploading them for review. If there is a problem or inconsistency with bins e.g. overflowing, limited access etc. then binners could relay that information.	This idea was considered as a potential action and was incorporated into the options analysis process.
792	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	What could Metro Vancouver do to address these challenges?	Make it less expensive to do the right thing. Enforce a deduction or incentive to do the right by recycling efforts. E.g. Invest in a collection service, or flip the prices around. Pay less to get the good stuff and make it more expensive to buy the cheap stuff.	This idea was considered as a potential action and was incorporated into the options analysis process.
793	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	In what ways can Metro Vancouver collaborate with others?	News advertisements - get stories on the news to promote waste disposal. Build a new media campaign. Get big chain restaurants to reduce packaging and get them to be a part of the advertisement.	This idea was considered as a potential action and was incorporated into the options analysis process.
794	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	In what ways can Metro Vancouver collaborate with others?	Local organizations, food banks, local buildings, local binners. Have small groups of people go to businesses around the region to educate people on how to effectively recycle. Let haulers be a part of the solution, they can educate the public on their rounds.	This idea was considered as a potential action and was incorporated into the options analysis process.
795	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	In what ways can Metro Vancouver collaborate with others?	Encourage/require large buildings/businesses to hire groups like Binners' Project to sort waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
796	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	In what ways can Metro Vancouver collaborate with others?	A Sister City project. Metro Vancouver could exchange ideas with another city/region with a focus on waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
797	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	In what ways can Metro Vancouver collaborate with others?	Incorporate recycled art into our natural landscape. Engage with schools, universities, and art projects, to create a festival of recycled sculptures and encourage engagement/investment in recycling from the community. A lot of people in the DTES would love to tap into that creative component.	This idea was considered as a potential action and was incorporated into the options analysis process.
798	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	In what ways can Metro Vancouver collaborate with others?	Facilitate a collaboration between local farmers, local food deliveries, and DTES to reduce carbon footprint.	This idea was considered as a potential action and was incorporated into the options analysis process.
799	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Knowledge Gaps and Communications. What info is missing?	Clear labelling on products, on how to recycle products, clarify what is in products/product packaging. It is still unclear what can be refunded, especially regarding milk containers.	This idea was considered as a potential action and was incorporated into the options analysis process.
800	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Knowledge Gaps and Communications. What info is missing?	Businesses need to take responsibility for their products and their end-life	Accountability is one of the guiding principles of the updated solid waste management plan.
801	30-Oct-24	Community Consultation Notes	Binners' Project	Public members-at-large	Knowledge Gaps and Communications. What info is missing?	There is a lack of bins around the neighbourhoods, with limited access in other areas, and there is inconsistent and unclear signage on bins on what items should go in each. Simplify the waste system! Offer more clarification.	This idea was considered as a potential action and was incorporated into the options analysis process.
802	30-Oct-24	Focus Group Notes	Ocean Wise	Public members-at-large	What do you see as the primary challenges or barriers we face in addressing waste reduction?	More recycling and accessibility—many people must go to depots, and not many are willing to do that.	Convenience is one of the guiding principles of the updated solid waste management plan. Metro Vancouver will consider this feedback when implementing the plan.
803	31-Oct-24	Focus Group Notes	Ocean Wise	Public members-at-large	What do you see as the primary challenges or barriers we face in addressing waste reduction?	Need for packaging with less plastic—use more paper instead.	Rethink is part of the draft hierarchy for an updated solid waste management plan.

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804	1-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What do you see as the primary challenges or barriers we face in addressing waste reduction?	Individuals having to take packaging from the workplace instead of systemic changes.	Noted.
805	2-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What do you see as the primary challenges or barriers we face in addressing waste reduction?	Common recycling areas in condos—should be more accessible for residents.	This idea was considered as a potential action and was incorporated into the options analysis process.
806	3-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What do you see as the primary challenges or barriers we face in addressing waste reduction?	Soft plastic could become messy if incorporated into single-dwelling recycling.	Metro Vancouver will consider this feedback when implementing the plan.
807	4-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What could Metro Vancouver do to address these challenges?	Implement more regulations (e.g., bans on single-use plastics, like straws).	This feedback was considered in developing a regulatory strategy for the updated plan.
808	5-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What could Metro Vancouver do to address these challenges?	Create education programs for immigrants to familiarize them with waste systems.	This idea was considered as a potential action and was incorporated into the options analysis process.
809	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Define the frequency and purpose of reporting – how and when will the data will be used.	Metro Vancouver will consider this feedback in developing metrics and targets.
810	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Consider the administrative burden for haulers, processors, and Metro Vancouver staff.	This feedback was considered in developing a regulatory strategy for the updated plan.
811	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Collaborate with industry to determine who is tracking and accountable for providing information and thresholds for businesses that are asked or required to report.	This feedback was considered in developing a regulatory strategy for the updated plan.
812	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Determine who will have access to the data, how much will be shared, and ensure no impacts to business confidentiality.	This feedback was considered in developing a regulatory strategy for the updated plan.
813	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Prioritize measuring versus estimating: Enhance detail level (e.g. composition data versus tonnage)	This feedback was considered in developing a regulatory strategy for the updated plan.
814	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Ensure the waste stream is consistent with what is being measured and how it is being tracked (tonnage)	Metro Vancouver will consider this feedback in developing metrics and targets.
815	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Perform composition breakdowns for mixed loads (organics, recyclables): Waste composition studies should occur more often.	This idea was considered as a potential action and was incorporated into the options analysis process.

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816	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Consider how waste streams are changing – investigate if measuring by 'tonnes' is still the most applicable or if there is another more relevant metric (e.g. composition).	Metro Vancouver will consider this feedback in developing metrics and targets.
817	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Examine terminology – agreement on the definition of recycling is needed. Measure concrete and asphalt separately. Do not track materials sent for incineration as recycled.	The updated solid waste management plan will include a glossary of terms and definitions. Materials sent to waste-to-energy are considered disposal, not recycling.
818	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Track commodity markets from recycled materials to assess whether what we're recycling makes sense and if there is a market for it.	Metro Vancouver will consider this feedback in developing metrics and targets.
819	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Targets have to be measurable/quantitative.	Metro Vancouver will consider this feedback in developing metrics and targets.
820	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Interpret numbers based on what is recycled according to various materials rather than the overall percentage.	Metro Vancouver will consider this feedback in developing metrics and targets.
821	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Ensure that chosen metrics support financial responsibility with taxpayer dollars by generating practical data that members and taxpayers can relate to and understand.	Metro Vancouver will consider this feedback in developing metrics and targets. Affordability is one of the guiding principles of the updated solid waste management plan.
822	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Ensure chosen metrics can provide meaningful/actionable insights.	Metro Vancouver will consider this feedback in developing metrics and targets.
823	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Increase clarity and transparency with data that is generated from metrics.	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
824	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Transparency about the materials that can't be recycled (no market), being sent to cement kiln and considered as recycling. Terminology is very important to define what materials are being considered recycled and where those materials end up. E.g. RDF material being considered recycled even though being sent to cement kiln	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.

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825	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Prioritize metrics that are business-related (e.g., cost per tonne, financial review, financial efficiencies at the landfill or waste-to-energy facility); metrics that members and taxpayers can relate to.	Metro Vancouver will consider this feedback in developing metrics and targets.
826	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Adopt lifecycle view of materials and calculate greenhouse gases [GHGs] from extraction to the point of recycling.	Rethink is part of the draft hierarchy for an updated solid waste management plan.
827	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Focus on reduction and reuse when considering the change of tracking method, materials tracked, and metrics used. Anything that is not relevant to measuring reduction and recycling that is currently included should be reconsidered.	The draft hierarchy for an updated solid waste management plan prioritizes waste prevention and reduction, with recycling as a less favourable option compared to waste reduction. Disposal is a last resort.
828	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Choose metrics based on relevancy to the waste material	Metro Vancouver will consider this feedback in developing metrics and targets.
829	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Track organics and recyclables	Metro Vancouver will consider this feedback in developing metrics and targets.
830	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	More metrics needed on C&D Waste and greater clarity is needed on data, in terms of what is being tracked (i.e., waste type, locations, etc).	Metro Vancouver will consider this feedback in developing metrics and targets.
831	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Greatest factors/impacts that will influence diversion need to be looked at more closely.	Metro Vancouver will consider this feedback in developing metrics and targets.
832	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Consider changing waste streams – the change in material and makeup of the waste stream over the years and into the future.	Resilience to climate change and future challenges is one of the guiding principles of the updated solid waste management plan.
833	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Base metrics on what's produced versus what is recycled	Metro Vancouver will consider this feedback in developing metrics and targets.

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834	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	With respect to performance metrics and applicability to the updated SWMP plan: What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?	Report in terms of various materials rather than percentage in total. Example: concrete and asphalt skew the statistics	Metro Vancouver will consider this feedback in developing metrics and targets.
835	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	Data collection and sharing: Example: WMABC launched a program to measure ICI waste materials disposed of or diverted. Took this on to help them advocate at government levels knowing there are a number of jurisdictions looking at this type of data for policy development. Launched this project internally with members. We are not submitting raw data to Metro Vancouver, but it will provide aggregated numbers.	This idea was considered as a potential action and was incorporated into the options analysis process.
836	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	In other jurisdictions, industry reports on waste and recycling quantities; assigned a 'generator number' etc (similar to hauler licensing)	Metro Vancouver will consider this feedback in developing metrics and targets.
837	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	Balance between confidentiality on one hand, and on the other hand and sharing the generation number to help advance recycling across the region	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
838	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	Report total tonnage – tonnage in should equal tonnage out	Metro Vancouver will consider this feedback in developing metrics and targets.
839	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	Report residual waste (from recycling facilities)	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
840	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	Include recycling amount exported vs recycled in BC	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
841	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	Comparison reports on Metro Vancouver waste how much is disposed of vs diverted, disposed of in different locations, Waste-to-Energy vs. landfill vs. other options	Metro Vancouver will consider this feedback in developing metrics and targets.
842	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	Tipping Fee Rates – increase them to drive diversion from landfill and stimulate market development and innovation in other waste streams (eg., shingles in 2010)	This feedback was considered in developing a regulatory strategy for the updated plan.
843	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	Develop mechanism for industry to report on efforts in this area (e.g. measuring GHGs, tonnage reported), still needs to be protected as it is highly sensitive due to competitive industry.	This feedback was considered in developing a regulatory strategy for the updated plan.
844	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	Needs a lot of discussion to get to what that mechanism could be so that private sector and government are in agreement.	Collaboration is one of the guiding principles of the updated solid waste management plan.
845	5-Nov-24	Committee Meeting Discussion Feedback Summary	Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Additional comment	To help enhance engagement, it could be helpful to have a waste hierarchy graphic with explanations to clarify what the terms mean (above and beyond the traditional three R's)	Metro Vancouver developped a draft hierarchy for an updated solid waste management plan based on feedback received.
846	6-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What could Metro Vancouver do to address these challenges?	Clarify recycling education in schools—currently, kids put things in the wrong bins due to confusion.	Inclusive solid waste programs is one of the guiding principles of the updated solid waste management plan.

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847	7-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What could Metro Vancouver do to address these challenges?	Improve signage—school waste bins have unclear images making it difficult to sort properly.	Metro Vancouver will consider this feedback when implementing the plan.
848	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Food waste is primarily water	Noted.
849	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		In-sink food disposers turn food into a slurry that goes down the drain	Noted.
850	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Studies completed in Calgary and the US have shown 30-60% reduction in food waste and 75% decrease in odor	Noted.
851	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Insinkerator has participated in City of Vancouver and Metro Vancouver engagement, including liquid waste management plan	Noted.
852	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Compostable organics remain the largest component of multi-family residential waste, Insinkerator presents a potential solution	Metro Vancouver will consider this feedback when implementing the plan.
853	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Food waste disposers are a convenient option for disposal of organics	This idea was considered as a potential action and was incorporated into the options analysis process.
854	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Joint conversation with liquid and solid waste required prior to more widespread implementation of in-sink food disposal solutions	This idea was considered as a potential action and was incorporated into the options analysis process.
855	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Are disposers banned in Metro Vancouver?	Disposers are not banned, however implications are considered in liquid waste management plan. Not aware of any bans on disposers in Metro Vancouver municipalities. Solid waste is interested in increasing diversion of food scraps, but the use of disposers is not just a solid waste conversation; rather, the conversation would need to include liquid waste.
856	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Looking to support growth in the deconstruction industry	Prevention of home demolition waste was considered as a potential action and included in the optionas analysis process.
857	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Expecting 10,000 home demolitions in the next five years	Noted.
858	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Instead of demolition, materials can be salvage, donated, sold and reused	This idea was considered as a potential action and was incorporated into the options analysis process.
859	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		An increase in the removal of single family homes as a result of densification will require space to store and process recoverable materials	This idea was considered as a potential action and was incorporated into the options analysis process.
860	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		There is also a missed opportunity for secondary markets for items such as tubs, sinks, flooring, etc. How do we go from lost opportunities to opportunities for growth	Reuse is part of the draft hierarchy for an updated solid waste management plan.
861	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*What does the industry need to be able to do more recovery?*	Education and working with local governments on incentives for deconstruction	This idea was considered as a potential action and was incorporated into the options analysis process.
862	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*What about cost? If it became mandatory what would happen?*	We might not be ready for such a policy, with a lack of available workforce and contractors. Might work best to start any sort of mandate or incentives with a smaller area to gather data and demonstrate the opportunity	This idea was considered as a potential action and was incorporated into the options analysis process.
863	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*How does the timeline compare with traditional demolition?*	The average timeline to deconstruct an average single family home is 1 week once the permit is issued, and cost is on par thanks to tax credit	Noted.
864	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*What age of homes are appropriate for deconstruction?*	The interest so far has primarily been in heritage and character homes, average 1905 to 1970	Noted.
865	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*De-nailing must be expensive, how is that offered?*	Currently it's worked into the cost of deconstruction – but in the future there are many options for how we might price and sell materials.	Reuse is part of the draft hierarchy for an updated solid waste management plan.

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866	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Prefab component could be great in terms of deconstruction. Reused wood can be used for building panels for prefabricated construction, and this has been done in partnership with Kiwi Innovation, a local construction company. Four homes have already been interested in these types of panels. They are especially useful in retrofits and laneway homes.	Prevention of home demolition waste was considered as a potential action and included in the optionas analysis process.
867	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		VEMA is working with StructureCraft and Urban Machine to develop a plan to use reclaim material, which is regraded and used as dowel laminated timber in mass timber construction.	Prevention of home demolition waste was considered as a potential action and included in the optionas analysis process.
868	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		CWWR looks at urban wood waste, forestry waste, and other industrial wood waste sources	Noted.
869	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		CWWR's goal is to become Canada's fifth major environmental recycling powerhouse, after paper/cardboard, paint, tires and electronics	Noted.
870	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Wood recycling and advocacy – wood waste includes homes and residential, forest industry, disaster, etc.	Metro Vancouver will consider deconstrcution and materials reuse when developing strategies and actions for an updated plan.
871	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Important to understand how to get materials to the market	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
872	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Global partnership – most members are European but Canadian market is primed for development	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
873	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		All end-of-use wood waste is 100% recyclable	Metro Vancouver will consider this feedback when implementing the plan.
874	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Creating a reuse market is one of the biggest challenges and opportunities	Metro Vancouver will consider this feedback when implementing the plan.
875	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		We provide resources to anyone who is interested	Noted.
876	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Immigrants face challenges in understanding the waste and recycling system in Canada	Metro Vancouver will consider this feedback when implementing the plan.
877	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		41% of Metro Vancouver residents and newcomers come from countries where waste management is not a priority	An inclusive solid waste system is one of the guiding principles of the updated solid waste management plan.
878	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Propose that Metro Vancouver engage with communities in their languages and leverage social media and other community-based platforms, not just on how to recycle but also on why - developing multilingual, culturally relevant resources, hosting community-driven workshops, and promoting pathways to green careers	This idea was considered as a potential action and was incorporated into the options analysis process.
879	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Immigrants want to belong and feel as if they're part of something larger	Metro Vancouver will consider this feedback when implementing the plan.
880	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Engagement has to be in a language and in a way that connects with them	This idea was considered as a potential action and was incorporated into the options analysis process.
881	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Immigrants crave belonging, and by engaging with them in a way that empowers them, we will not only achieve environmental outcomes, but help build a diverse and inclusive workforce in sustainability	This idea was considered as a potential action and was incorporated into the options analysis process.
882	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		There is a lack of diversity in this space. We need to mobilize and increase inclusion with meaning and purpose	This idea was considered as a potential action and was incorporated into the options analysis process.
883	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Based on study in Surrey, 50% are not participating effectively in the waste management programs	This idea was considered as a potential action and was incorporated into the options analysis process.
884	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Suggestion is to start with a pilot program,specifically targeted to specific populations	This idea was considered as a potential action and was incorporated into the options analysis process.

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885	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Circular Environmental Education (CEED) out of Toronto runs a similar BIPOC led program for social housing	Noted.
886	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		KIAM has identified a very important gap in the circular economy. 40% of immigrants aren't even using their bins, as they are not equipped with information. It can feel shameful to ask for help on something seen as basic in the community	Metro Vancouver will consider this feedback when implementing the plan.
887	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Showing that actions have a positive result can go a long way, as many immigrants come from countries where the government is deeply mistrusted	This idea was considered as a potential action and was incorporated into the options analysis process.
888	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Metro Vancouver should go to immigrant communities to talk to people who have just moved and initiate a dialogue rather than a one-way conversation	This idea was considered as a potential action and was incorporated into the options analysis process.
889	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Throw-away lifestyle is out of control	Metro Vancouver will consider this feedback when implementing the plan.
890	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Reusables are a proven solution to reducing waste from single-use items	Metro Vancouver will consider this feedback when implementing the plan.
891	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Outlined a potential system for reuse, which would involve recirculating reusable food service ware back into the supply chain through washing and redistributing items rather than disposal	This idea was considered as a potential action and was incorporated into the options analysis process.
892	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Every collection could include data tracking	This idea was considered as a potential action and was incorporated into the options analysis process.
893	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Reuse system is possible, but government support required on the public collection and washing facility components	This idea was considered as a potential action and was incorporated into the options analysis process.
894	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		This type of system could also be used for textiles, transport packaging, non-consumable goods	This idea was considered as a potential action and was incorporated into the options analysis process.
895	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*How many times can a cup be reused, and what is the plan for end of life?*	With efficient and convenient collection, Sharewares demonstrated that in four months, only six out of 1000s of cups need to be replaced	Noted.
896	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*Is this implemented currently anywhere?*	Currently working with Tim Hortons on reusable cup program, as well as Vogue theatre, Bard on the Beach. These are closed loop systems which show very high recovery	Reuse is part of the draft hierarchy for an updated solid waste management plan.
897	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*Is convenience the biggest challenge?*	The initial choice is also a challenge if consumers are unfamiliar with reusables. Requires a lot of explanation	Reuse is part of the draft hierarchy for an updated solid waste management plan.
898	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*What happens if the items end up in the garbage?*	It is a deposit-based system, so there is no additional program cost associated with items ending up in the garbage. In theory if it goes in the recycling bin, RecycleBC or stewards could be pulling the item out in their facilities and collecting that deposit	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
899	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*The closed site model (e.g. theatres) make a lot of sense, but beyond that what do you envision for infrastructure? The depots are probably a very key part of this infrastructure.*	To start off, a small area or neighbourhood would be a great place to start to prove that it works, then grow it. Every closed system like theatres could easily be doing this. Shopping malls and food courts are another potential for a closed loop solution. This could be something that Binners could participate in. Looking at recycling depots and how they could participate is an important element	This idea was considered as a potential action and was incorporated into the options analysis process.
900	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Been operating for 40 years, located on Mitchell Island. Started as recyclers for contractors	Noted.
901	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Can service demolition projects and large-scale renovations	Noted.
902	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Produce recycled concrete aggregate to make interlockable conrete blocks	Noted.
903	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		There is lots of incoming material; however, we are looking for more opportunities for end use of the recycled materials	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.

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904	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		What we hope for is more opportunities for contractors and others to be a part of the zerowaste community	This idea was considered as a potential action and was incorporated into the options analysis process.
905	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*How does the process work?*	Loads of concrete are weighed, then concrete and rebar is sorted manually, the concrete is then fed through a crusher (magnets and air blowers help eliminate contamination), and then the output material is then discharged or washed. Lots of testing is done to ensure that it meets Master Municipal Construction Documents (MMCD) requirements. 100,000 - 200,000 tonnes per year are brought in and regenerated. Much of the material is reincorporated into lock blocks. Metrics on energy consumption for producing lock blocks to be provided.	Noted.
906	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*RecycleBC was looking at adding plastics into concrete to give it certain features. Would that create a challenge for Lock-Block?*	This could create a struggle for usage, as plastics is considered a contaminant that is removed during the picking/cleansing process. Would likely be removed from the process.	Noted.
907	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*How much can typically be recycled?*	If the incoming material is pure concrete, 95-100% could be recycled.	This feedback will be considered in the development of residuals management technical criteria for the updated plan.
908	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Manufactures certified compostable film products and also provide sorting bins and food scrap collection programs	Collaboration is one of the guiding principles of the updated solid waste management plan.
909	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Certified food scrap bags are important to waste collection systems	Noted.
910	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Ecosafe compostable bags are certified by both Biodegradable Products Institute and Compost Manufacturing Alliance	Noted.
911	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Compost Manufacturing Alliance represents over 30 of the biggest compost manufacturers in the US and works on field testing compostable products	Noted.
912	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Residential programs over the last 30 years have seen an increase in plastics that could potentially be replaced with certified compostables as a system improvement	Noted.
913	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Certified compostable products can help increase capture of organics	This idea was considered as a potential action and was incorporated into the options analysis process.
914	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*Who certifies the compostable product?*	We work with labs and do field testing. Perhaps we don't currently have the infrastructure to deal with the compostable products (We need to think about food wraps in general, dog poo, etc.) Compost Council of Canada works within the community to connect on this system of growing compostable products	Noted.
915	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	*Are there many Indigenous led buildings that are using these products? (Multifamily residential units)*	EcoSafe has worked with BC Housing and are very interested in these types of partnerships. Many of the bags are manufactured in an Indigenous led facility in North Dakota. Suggestion for EcoSafe Zero Waste to get in touch with Indigenous Zero Waste Technical Advisory Group (IZWTAG)	Noted.
916	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	Municipal e-waste hub: a sustainable exchange platform	The concept is to have a centralized hub to share equipment from different industries and companies (such as laboratories) to facilitate reuse rather than purchasing new equipment.	This idea was considered as a potential action and was incorporated into the options analysis process.
917	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	Municipal e-waste hub: a sustainable exchange platform	This type of hub could categorize items into different types and classifications, as well as condition and usage.	This idea was considered as a potential action and was incorporated into the options analysis process.
918	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large	Municipal e-waste hub: a sustainable exchange platform	Benefits of the platform are a reduced environmental impact and increased cost efficiency	Noted.
919	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Envision's technology uses mixed waste processing and end use manufacturing to transform 90% of a city's waste to new finished products using advanced equipment	Noted
920	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Mixed waste processing allows for picking up everything on the same day and everything can be combined. Involves CO2 capture and sequestration	Noted.

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921	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		RecycleBC serves 99.4% of BC by population, to provide residential recycling collection services for packaging and printed paper.	Noted.
922	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		RecycleBC partners with 10 municipalities in Metro Vancouver for multi-family, three private haulers, and four direct service (multi-family service provided directly by RecycleBC) , and supported by 38 depots and 18 London drugs locations	Noted.
923	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		RecycleBC services over 93% of all multi-family households in Metro Vancouver based on 2021 census data	Noted.
924	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Looking to improve multi-family recycling by offering incentives to private haulers collecting comingled recycling from commercial and multi-family buildings	This idea was considered as a potential action and was incorporated into the options analysis process.
925	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Also offering flexible plastics packaging collection for any collection partner	Noted.
926	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Solution for forgotten reusable bags that are not reused as intended, and can become another environmental burden	This idea was considered as a potential action and was incorporated into the options analysis process.
927	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		If not reused, these bags have a greater environmental impact than disposable bags	Noted.
928	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		To optimize the current program, we should look at a dedicated reuse service provider, consistent and convenient return options, sanitization and quality control, a circular redistribution system, sustainable end-of-life management, and a tracking system	This idea was considered as a potential action and was incorporated into the options analysis process.
929	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Goatote proposed partnership with Vancouver	This idea was considered as a potential action and was incorporated into the options analysis process.
930	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Urban repurpose has been operating since 2016, and reuses material	Noted.
931	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Currently has a contract to operate reuse days at the North Shore Recycling and Waste Centre - 30 reuse days held so far	Noted
932	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Looking to increase number of days and amount of material collected but primary barrier is space.	Noted.
933	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Urban Repurpose's goal is waste diversion	Noted.
934	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Goal to build larger customer base. No issue with supply, however enough of a demand needs to be built to get material back to the public. This is becoming more challenging	This idea was considered as a potential action and was incorporated into the options analysis process.
935	7-Nov-24	Presentation Notes	Zero Waste Committee and Public Technical Advisory Committee	Public members-at-large		Goal is to work with Metro Vancouver to work through these barriers and increase waste diversion	Collaboration is one of the guiding principles of the updated solid waste management plan.
936	8-Nov-24	Engagement summary notes	Binners' Project	Public members-at-large		Binners' Project's low-barrier engagement strategy focused on gathering feedback from community waste experts, binners. Binners are among the most marginalized groups in urban areas, and they offer valuable feedback on solid waste systems and key insights into the public's approach and habits when disposing of waste. The goal of the strategy was to collect binner feedback in a manner that was informed and in an accessible environment where binners felt comfortable to participate (e.g. on the street, near the depots).	Noted.

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937	8-Nov-24	Engagement summary notes	Binners' Project	Public members-at-large		143 binners participated in the engagement, either through the consultation or survey. The results showed that binners are interested in improving the region's waste management and are eager to participate in waste initiatives and recycling programs if they are informed and in a position to contribute. Barriers such as housing, education, accessibility and transportation, and language can impact a binner's ability to participate. A common theme that arose from the engagement centred around a simplified and uniform recycling system, that was accessible to everyone and that held everyone accountable.	Metro Vancouver will consider this feedback when implementing the plan.
938	8-Nov-24	Engagement summary notes	Binners' Project	Public members-at-large		The length of the survey made it difficult to keep participants engaged and complete the survey in its entirety. As a result, the open-ended questions were often skipped over or answered in less depth. Binners facilitating the surveys used various engagement tactics, in addition to gift cards, to keep participants engaged to complete the survey in its entirety.	Metro Vancouver will consider this feedback when designing engagement materials in future phases.
939	8-Nov-24	Engagement summary notes	Binners' Project	Public members-at-large		The survey was noted as more user-friendly compared to 2023's phase one engagement survey. The multiple-choice layout proved easier for participants to follow, as well as the use of simplified language. This could have been a contributing factor to the larger amount of surveys collected during this phase. Binners expressed appreciation for being able to participate in the engagement noting that it was nice to be included, and their perspective sought after.	Metro Vancouver will consider this feedback when designing engagement materials in future phases.
940	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large		The majority of participants noted a level of familiarity with Metro Vancouver's role in waste reduction, recycling and waste management. People living on the streets, the homeless, and persons with mobility limitations or disabilities were identified as community members who have a difficult time with current waste programs and services. Those who live in poorer neighbourhoods were also flagged as more likely to have barriers to participation in waste management. Rich people, tourists, youths and businesses were noted as having an inability to participate due to a lack of knowledge on how to properly divert waste.	Metro Vancouver will consider this feedback when implementing the plan.
941	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Barriers	The majority of participants noted to have slight to moderate barriers preventing them from participating in recycling efforts and waste reduction. The following were noted as significant barriers: -Low availability of products that use less packaging or reusable packaging - Time constraints - Not feeling welcomed at facilities and recycling and waste drop-off points - Not enough overflowing recycling and green bins in multi-family residences	Metro Vancouver will consider this feedback when implementing the plan.
942	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Barriers	Additional barriers not listed that prevent participation in waste reduction efforts: - Locks on dumpsters - Mobility limitations - Transportation	Metro Vancouver will consider this feedback when implementing the plan.
943	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Access to current waste management programs and services	The majority of respondents claimed that the current waste management programs and services do not work well for all community members.	Metro Vancouver will consider this feedback when implementing the plan.
944	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Suggestions on what can be done to make programs and services more inclusive for everyone	Increase refunds on containers	This idea was considered as a potential action and was incorporated into the options analysis process.
945	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Suggestions on what can be done to make programs and services more inclusive for everyone	Improve and increase transport and accessibility to depots	This idea was considered as a potential action and was incorporated into the options analysis process.
946	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Suggestions on what can be done to make programs and services more inclusive for everyone	More recycling depots and recycling programs	This idea was considered as a potential action and was incorporated into the options analysis process.
947	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Suggestions on what can be done to make programs and services more inclusive for everyone	More advertising available in other languages	This idea was considered as a potential action and was incorporated into the options analysis process.

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948	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Suggestions on what can be done to make programs and services more inclusive for everyone	Simplify recycling programs and make them consistent across the region.	This idea was considered as a potential action and was incorporated into the options analysis process.
949	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Suggestions on what can be done to make programs and services more inclusive for everyone	Create more community programs and education resources (in multiple languages)	This idea was considered as a potential action and was incorporated into the options analysis process.
950	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Additional ideas on how Metro Vancouver can reduce the amount of waste in our region	Host more community events to educate the public and get them invested in disposing of their waste the right way.	This idea was considered as a potential action and was incorporated into the options analysis process.
951	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Additional ideas on how Metro Vancouver can reduce the amount of waste in our region	Create more events that incentivize people to divert waste e.g. Binners' Project's Coffee Cup Revolution	This idea was considered as a potential action and was incorporated into the options analysis process.
952	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Additional ideas on how Metro Vancouver can reduce the amount of waste in our region	Add more bins and more collection points.	This idea was considered as a potential action and was incorporated into the options analysis process.
953	8-Nov-24	Questionnaire summary	Binners' Project	Public members-at-large	Additional ideas on how Metro Vancouver can reduce the amount of waste in our region	Update facilities! Edmonton has some of the most up-to-date waste management facilities	This idea was considered as a potential action and was incorporated into the options analysis process.
954	8-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	New immigrant groups could support teaching newcomers about recycling.	This idea was considered as a potential action and was incorporated into the options analysis process.
955	9-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Rotary Clubs and Lions Clubs could collaborate with Metro Vancouver to spread awareness.	This idea was considered as a potential action and was incorporated into the options analysis process.
956	10-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Having an "Ocean Leader" to explain waste management to volunteers and educate the public.	This idea was considered as a potential action and was incorporated into the options analysis process.
957	11-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Increased collaboration between community and service groups.	This idea was considered as a potential action and was incorporated into the options analysis process.
958	12-Nov-24	Engagement summary notes	CityHive Youth Engagement Society	Public members-at-large		While the information provided by Metro Vancouver through the Collaborative Engagement toolkit document was comprehensive and extremely helpful in planning for the engagement, there were specific questions that attendees had that would have benefited from having a Metro Vancouver representative present. Questions around the subject matter of Solid Waste Management as well as the overall engagement process itself came up throughout the engagement and while we tried to direct folks to the website and backgrounder, a representative would've been able to provide more depth. This would've also helped facilitate trust building between young people and Metro Vancouver.	Metro Vancouver will take this feedback into consideration when facilitating future collaborative engagement opportunities.
959	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	It wouldn't be such an issue eliminating waste if we weren't so consumerist, where mass consumption is incentivized. If we were the generation of my grandparents where things were made to a high quality or could be repurposed, then we would not face the same issues of waste management. I think this is the biggest challenge/barrier in managing waste.	Metro Vancouver will consider this feedback when implementing the plan.
960	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Reducing waste by reusing I feel like Metro Van could have more repair clinics. Where do you go if you want to reuse something? Or donate something? They haven't updated their website in years. I don't know what to do with these things but if there are alternatives they could make that more present.	Reuse and repair is part of the draft hierarchy for an updated solid waste management plan.
961	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	One of the issues is the idea of recycling as removed from the home, we are now separated from it and just send our recycling to another location instead	Metro Vancouver will consider this feedback when implementing the plan.
962	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Every system is complicated. While we are all here and interested in sustainability, not everyone is	Metro Vancouver will consider this feedback when implementing the plan.
963	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	The housing crisis, food insecurity, etc.. Many crises facing people, it's hard to ask people to care about all these things, when their immediate needs are not met. This issue is much bigger – if we cannot tackle people's core needs we will struggle to get people to be engaged.	Metro Vancouver will consider this feedback when implementing the plan.
964	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	At the core of it recycling is not the best answer to any kind of waste, the issue is more at the production site.	Rethink is part of the draft hierarchy for an updated solid waste management plan.

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965	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	I am not sure if there is enough care from the government to have policies and guidelines on this. Hard to talk about this at an individual level because we know it is systemic. But it is good that Metro Van understands it is not just on the consumer. Should mostly be on producer accountability	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
966	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Some people don't have time in their lives to keep types of packaging at the top of mind when doing their regular shopping. Even for individuals it is hard to know what to recycle, where to recycle, etc...	Metro Vancouver will consider this feedback when implementing the plan.
967	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	A lot of the stuff in there isn't sorted properly so knowing that a lot of it might just end up in the garbage anyway	Metro Vancouver will consider this feedback when implementing the plan.
968	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Different municipalities do things differently too. On the island aluminum and soft plastics are separate. More consistency across municipalities could be less confusing. More streamlining.	Metro Vancouver will consider this feedback when implementing the plan.
969	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Education doesn't change behaviour. Awareness can to some extent. But we have a lot of immigrants coming in and for newcomers there is a need to understand a difference in behaviour. There needs to be incentive. Free or low cost recycling ... but people feel like they should be benefiting from this	Metro Vancouver will consider this feedback when implementing the plan.
970	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	There's no risk/reward balance for individual recycling choices. For individual choices: make it more interesting/gamify it	This idea was considered as a potential action and was incorporated into the options analysis process.
971	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Should be consistent. Why do all municipalities not have the same pick up time? If they want to make a policy change there needs to be consistency between and amongst municipalities. At all levels of government, not just the most local – but upwards through regions and the province. You can't have changes implemented in one place and not in others. If you go from Vancouver to Burnaby and have vastly different experiences of recycling.	This idea was considered as a potential action and was incorporated into the options analysis process.
972	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	A lot of communities have the skills to be sustainable, but may not have the land to operate in a circular nature. If you only have an apartment, you can't grow your own food, and then have a compost system. When you have your own needs met you also can be creative in sustainability within your own home	Metro Vancouver will consider this feedback when implementing the plan.
973	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Sewing, growing your own food, etc.. Having land is important for this	Rethink is part of the draft hierarchy for an updated solid waste management plan.
974	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Individual - Recycling household small appliances in apartment buildings; doesn't do recycling, city doesn't have pick up service, people have to go to the recycling centre that is not accessible by transit (Richmond); e.g. light bulbs. Could do drop off sites at community centres, do pick up for a fee, have recycling bins in apartment buildings	This idea was considered as a potential action and was incorporated into the options analysis process.
975	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	What do you do when you don't have a car? Happy to call for pick up for a fee. People turn to private companies, but prefers city for accountability - want to know it's actually being recycled and have dedicated systems to address it	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.
976	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	There's resources about how to throw away major household items like toasters but not too much formal guidance of what to do with daily household items like little bits left of candles or soap and how to dispose of that sustainably	This idea was considered as a potential action and was incorporated into the options analysis process.
977	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Vancouver household waste app; not good user experience and not widely used. There is a language barrier in Richmond because it's only english. There should be a picture feature eg take a photo and know where it goes	Inclusive solid waste programs is one of the guiding principles of the updated solid waste management plan.
978	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Confusion - more education + misconception about where waste is going	Transparency about what happens to garbage and recycling is one of the guiding priciples of the updated solid waste management plan.
979	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Lack of transportation - people are not incentivized to waste less, but actually recycle less when they have no means to get to a dump	A solid waste system that is convenient across the region is one of the guiding principles for the solid waste management plan update.
980	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Could we put refundable deposits on other objects if you recycle?	Rethink is part of the draft hierarchy for an updated solid waste management plan.
981	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Want to see more accessibility, make it fun	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.

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982	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	More legislations on producers to make more sustainable packaging	This idea was considered as a potential action and was incorporated into the options analysis process.
983	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Several years ago, I tried gathering data on how many tonnes of waste we've been producing. At that time, data was inconsistent or wasn't there. How does the system work in terms of data collection - maybe it's not within their capacity in terms of capacity/fiscal budget. But having a consistent garbage and composting system might be helpful, but this could be too high level for a complex system. Could be helpful for personal and producer accountability.	Noted.
984	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	In terms of recycling, maybe it's just me but in the past I've struggled to find recycling depots close to me for electronics. Had to go down to Marine Drive. Some would take TVs but wouldn't take cell phones, for example. I don't want to drive all the way down to Marine Drive. Making this process easier might be more helpful for individual accountability. Especially hard when these places are only open during work or school hours. Not everyone can take time off to do these things. Even hard plastics, they do collect these at the depots but I don't want to collect these at home. Hard to know cups with styrofoam, where that would go in regular recycling. I know this exists for certain languages, but I	Convenient and accessible waste and recycling systems is one of the guiding principles for the updated solid waste management plan.
985	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	know that there aren't many resources that exist for Vietnamese communities. So sometimes people just have to guess where things go if language is a barrier.	Noted.
986	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Hard to go to the recycling depot if you don't have a car. Difficult to take transit with garbage. It's even still common to not know where things like pizza boxes or paper go in regular recycling cans. Having pictures above recycling bins would be helpful. Especially for those that don't speak English.	Accessibility and inclusive solid waste programs are incorporated in the guiding principles for the updated solid waste management plan.
987	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Not only recycling, but understanding how we can reduce waste in general would be helpful. I think consumption is a big part of it, how can we consume less?	Reducing waste at its source is our preferred solution and will be a key focus of our updated solid waste management plan. For issues like production of plastics, since it's an issue that stretches far beyond the boundaries of our region, we work with org
988	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Even with peeled garlic at the grocery stores, lots of waste there from producers.	Noted.
989	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	For international people, not as much access to recycling programs. More engagement should be done with international communities. In their home countries, recycling might look very different and you have to learn a new system when you're here. More accessibility to education and language-friendly options would be helpful.	Accessibility and inclusive solid waste programs are incorporated in the guiding principles for the updated solid waste management plan.
990	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Thinking about producer accountability... What is Amazon doing to reduce their garbage?	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
991	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	In New West, people get stars if they recycle well. This gives people at New West the opportunity to receive positive feedback for their work or gives them opportunities before they are fined.	Noted.
992	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Identifying Barriers and Key Challenges	Have a QR code at the site of the bins, where you can type in what you have and have the QR code show you where you can put in the garbage. Having live incentives for putting waste in the right bins could be helpful. Perhaps LED light that shows emoticon when you put waste in the right bin.	This idea was considered as a potential action and was incorporated into the options analysis process.
993	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Library and recreation centers having workshops for knowledge sharing	This idea was considered as a potential action and was incorporated into the options analysis process.
994	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Needs to be a general consensus on how to go about things	Metro Vancouver will continue to engage with interested parties
995	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Having a standard set like, 'These are the places you can go to for these things' to increase public knowledge. Return-it depot is an example of a success story of having consistency that the public can know offers a certain service. Consistent signage, location names (even if there are private companies that operate them)	This idea was considered as a potential action and was incorporated into the options analysis process.

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996	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Partner with container-free stores	This idea was considered as a potential action and was incorporated into the options analysis process.
997	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Have a common map: Where can you go to refill your things, Where can you go to donate X,Y,Z	This idea was considered as a potential action and was incorporated into the options analysis process.
998	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	One resource for: Repair, Donate, Deposit	This idea was considered as a potential action and was incorporated into the options analysis process.
999	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	A lot of people care about their city, but are less connected to the lower-mainland as a whole. Each city has its own community centres and it often feels like the city advertises things more on a city level rather than promoting things to a wider audience. Create understanding of how impact in Langley may also impact Richmond, for example. Have also a common sense of responsibility and accountability and also pride in the progress Metro Vancouver has made	This idea was considered as a potential action and was incorporated into the options analysis process.
1000	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	In BIPOC spaces that I have been in previously there was more value in having more nuance, rather than one simple way of advertising. There needs to be a way to approach nuance within the cities	This idea was considered as a potential action and was incorporated into the options analysis process.
1001	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Each community has different needs and wants, but when it comes to recycling and waste there is common ground – everyone produces waste and needs to dispose of it. A universal approach with waste may be more efficient	Waste prevention is at the core of the vision statement for the updated solid waste management plan.
1002	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	In schools, kids can hold the family accountable too. When I was in school I remember they would have challenges for us to do at home and it would get the whole family involved. When you are consistent in teaching a behavior it can create change	Noted.
1003	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Single family homes vs stratas vs apartments are all very different. Just want to throw everything in one place when waste sorting is less accessible. In single family homes it is easier to sort things than in an apartment. Some people don't have the interest in doing that. Landlords should enforce that more	Convenience and accessibility are incorporated into the guiding principles fo rthe updated solid waste management plan.
1004	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	My strata do audits on waste management. My friend's apartment has one stream recycling and then other people will sort it down the line. But once again, there's no consistency between different stratas	Consistency of services provided is integrated in the guiding principles of the updated solid waste management plan.
1005	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Require reporting when it comes to waste as we do with emissions. Policy on producers so they have to provide reporting and then give incentive	This idea was considered as a potential action and was incorporated into the options analysis process.
1006	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Hopefully the municipality has it in the first place – not every municipality has the same resources. Only 17 out of 22 of the member jurisdictions have the same schedule of garbage collection every other week to reduce waste. There is no continuity from jurisdiction to jurisdiction	Noted.
1007	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Schools - changing cultural norms, have 'Recycling ambassadors' to help build cultural awareness	This idea was considered as a potential action and was incorporated into the options analysis process.
1008	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Universities - make it cohesive across campuses	This idea was considered as a potential action and was incorporated into the options analysis process.
1009	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Producers of research materials e.g. plastic flasks, etc. can be made from sustainable materials, educate research institutions on how to reduce barriers to recycling	This idea was considered as a potential action and was incorporated into the options analysis process.

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1010	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Ugly Food Day - produce that we weren't able to sell, by donation or free. Can be supported by municipalities to encourage more events like that. Other products that could not be sold but still functionable	This idea was considered as a potential action and was incorporated into the options analysis process.
1011	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Apartments and housing units contract companies to manage waste	Noted.
1012	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Working with companies to add deposits on toiletries	This idea was considered as a potential action and was incorporated into the options analysis process.
1013	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Encourage easily-recyclable designs for products for example all made from same components	This idea was considered as a potential action and was incorporated into the options analysis process.
1014	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Improve capacity for recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
1015	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Prevent companies from creating things designed to break	This idea was considered as a potential action and was incorporated into the options analysis process.
1016	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Create new norms - Programs like cupshare at cafes, discounts if you bring your own container	This idea was considered as a potential action and was incorporated into the options analysis process.
1017	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Greenwashing: Where do the extra 25c go from cup fees? It doesn't really incentivize people to change behaviour. Cities have to track where the collected money is going - would have to implement a tax (province)	Transparency is incorporated in the guiding principles and options analysis criteria.
1018	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Zero-waste initiatives, stores, movements	This idea was considered as a potential action and was incorporated into the options analysis process.
1019	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Translink for transporting the waste with public transportation	This idea was considered as a potential action and was incorporated into the options analysis process.
1020	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Private companies	Noted.
1021	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	All municipals collaborate on the same waste management policy/plan	Collaboration is one of the guiding principles of the updated solid waste management plan.
1022	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Local/Canadian social media influencers to make funny ads on waste disposal (youth awareness) → combine with raffle to get views up	This idea was considered as a potential action and was incorporated into the options analysis process.
1023	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Work with companies for sustainable swag	This idea was considered as a potential action and was incorporated into the options analysis process.
1024	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	One of the things I'm curious about but I feel like individual accountability is focused on those single family homes. What does that look like for people in apartments? Harder to hold people accountable when there's 100+ people in one building. Maybe there needs to be collaboration with property owners or managers.	Inclusive solid waste programs is one of the guiding principles of the updated solid waste management plan.
1025	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Get people to reimagine an alternative reality for waste management. Minecraft might be an interesting place to start (or wherever the kids are playing games nowadays)	Rethink is part of the draft hierarchy for an updated solid waste management plan.

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1026	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Would like to see more options than plastic. Are there other resources or materials we can use that's biodegradable? But eco-friendly materials are oftentimes shipped in plastic too.	Rethink is part of the draft hierarchy for an updated solid waste management plan.
1027	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Incentivizing recycling with other things, such as bus pass price reduction or reduced strata fees.	This idea was considered as a potential action and was incorporated into the options analysis process.
1028	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Look at gaming communities like Twitch and ask them how to connect games with waste management. A lot of incentivizing comes from games already.	This idea was considered as a potential action and was incorporated into the options analysis process.
1029	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Metro Vancouver should collect data on what waste is mismanaged the most - as in not sorted properly. And incentivize those especially. That would be so nice to have, but at the same time, it would be hard to implement. Where else would we get the percentage for the city budget.	Noted.
1030	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	One thing that's worked for my partner's building is they hold yard sales for items they don't need anymore; it's especially helpful for those who don't feel safe to sell items on Facebook Marketplace and sell to the community instead. For things like furniture or children's clothes, if you leave it in a certain spot, the property manager takes it and makes sure that it's recycled properly. Maybe a community center collaboration??	This idea was considered as a potential action and was incorporated into the options analysis process.
1031	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Too Good To Go app - this might be a good way to sell things at a lower cost. What do grocery stores do with their produce and leftover items? If not everyone is able to afford items, the grocery stores send it but someone mentioned once how certain organizations in town are able to accept food donations if they are past expiry. Trying to wrap my head around grocery stores and food waste. Clothing stores, gift stores, offices and their swag - it's not very useful but it's for advertisement. Can we hand out chocolate or chips instead to eliminate waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
1032	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Not all restaurants classify and sort out their garbage. Maybe some incentives for restaurants to recycle more. Maybe a discount can be offered. In downtown, you can use an app to recycle, but it's not accessible for everyone. (Similar to Mugshare program at UBC)	Noted.
1033	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Who could instruct? Be an educator on these issues	Noted.
1034	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	In what ways could MetroVancouver collaborate with others to more effectively advance accountability for eliminating waste?	Could legislation help create more consistency in different forms of housing?	This idea was considered as a potential action and was incorporated into the options analysis process.
1035	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Big gap of where does our waste go. Is it the municipality? Or each city does its own? Or is there one central location	This idea was considered as a potential action and was incorporated into the options analysis process.
1036	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Are we doing better this year compared to previous years? What is the future for where we are headed? Are we projected to be doing better in terms of wasting less? What are we doing now to be proactive in reducing waste?	This idea was considered as a potential action and was incorporated into the options analysis process.
1037	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	I want to know where and how we got the statistics. Where does one bottle get you? How important is each piece of waste? If you do this, it has this impact. Those kinds of things, people knowing about their contribution and impact is important. Seeing in numbers that if every person does something there is change possible	Transparency is incorporated in the guiding principles and options analysis criteria. Metro Vancouver regularly reports on metrics related to the solid waste management plan.
1038	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Cool to know what initiatives or legislation that Metro Van is working towards to make the producers more accountable. "Compostable" bags not actually being composted because they require very specific processes that are not available in metro-van	Noted.
1039	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	How are we combating green washing	Transparency is incorporated in the guiding principles and options analysis criteria.

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1040	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Really like the piece about making it tangible for people to see the effects of their behaviour. In Tehran, we had a public chart that said what the pollution levels were. We do the same thing with the fire risk charts in BC. Having something built like that around town that reflects what the current state is, and what the projected state is	Noted.
1041	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	What happens to those bags when they go in the compost? Same with those forks?	Question.
1042	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Curious how we increased it already to 65% and what is everyone else at?	This idea was considered as a potential action and was incorporated into the options analysis process.
1043	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	The information we receive on a local level is all city specific. People don't know that Metro Vancouver has this impact and mandate to bring about real change. If people actually knew that they may pay attention more	This idea was considered as a potential action and was incorporated into the options analysis process.
1044	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Hear a lot that individual actions don't matter a lot, but I would like to know how much money I am saving from recycling clothes, from sewing your own clothes, or from bottle deposits, If this information was given to me	Affordability is incorporated in the guiding principles for the solid waste management plan.
1045	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Financials: Tell people how much they are saving by doing these things	Affordability is incorporated in the guiding principles for the solid waste management plan.
1046	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Schools - Culture of sustainability; Targeting young generations through workshops. Initiative to connect larger community with the school (waste management stewardship)	Noted.
1047	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	What can you recycle and how clean do they need to be?	This idea was considered as a potential action and was incorporated into the options analysis process.
1048	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Transparency - where does it go	This idea was considered as a potential action and was incorporated into the options analysis process.
1049	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Communication on available resources like graphics or technology like apps. Link headquarters e.g. 'Waste Hub' website as a landing site for resources	This idea was considered as a potential action and was incorporated into the options analysis process.
1050	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Workshops, open houses with Metro Van residences, groups, communities. People are ready to learn and ready to contribute. For businesses specifically too	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1051	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Transit ads (eg Richmond) w/ QR code in multiple languages and graphics/ photos for accessibility	Noted.
1052	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	How is management responsibility split within municipalities in Metro Van? What would be possible for all municipalities?Metro Van has high rates of mobility within municipalities-- a metro van comprehensive recycling communication strategy for people who move through multiple municipalities during their day	Collaboration is one of the guiding principles of the updated solid waste management plan.
1053	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Jurisdiction map of Metro Van	This idea was considered as a potential action and was incorporated into the options analysis process.
1054	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	What happens after you recycle?	This idea was considered as a potential action and was incorporated into the options analysis process.
1055	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Why is it hard to recycle all kinds of materials?	Convenience is one of the guiding principles of the updated solid waste management plan. Metro Vancouver will consider this feedback when implementing the plan.
1056	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	What does metro Vancouver do with the recycling they collect?	Transparency is incorporated in the guiding principles for the solid waste management plan.
1057	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Where does the waste get sorted?	Noted.
1058	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Think of waste holistically, how much waste did we create in creating this material and how much water, etc? App in New West called Recycle Coach - it's not consistent, but you could get prizes through it sometimes. More municipalities could implement something like this	Inclusive solid waste programs is one of the guiding principles of the updated solid waste management plan.

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1059	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	My mom is from India and getting her to recycle is a lifelong process, but when someone realizes how long something lasts for, that could be an incentive. Incentivizing with money is helpful; now because you have to buy bags at the store, now everybody is bringing reusable bags.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1060	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	It's interesting how every municipality would have different waste management system	Noted.
1061	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	BC Hydro has those prizes and you have to go online and answer the questions and you could get a prize. The prize makes it work.	This idea was considered as a potential action and was incorporated into the options analysis process.
1062	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Textile Exchange - global non profit	This idea was considered as a potential action and was incorporated into the options analysis process.
1063	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Recycling campaign challenges where you post on social media might work. Meme challenge could also work. TikTok challenge?	Accessibility and inclusive solid waste programs are incorporated in the guiding principles for the updated solid waste management plan.
1064	12-Nov-24	Focus Group Notes	CityHive Youth Engagement Society	Public members-at-large	Knowledge Gaps and Communications	Don't know how important solid waste is to the government/how many resources they want to put into it	This idea was considered as a potential action and was incorporated into the options analysis process.
1065	12-Nov-24	Engagement summary notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – "Earthworks" Environment Club)		Overall, I heard from students that while they are aware of how to recycle and compost most items properly, they felt that there was a lack of knowledge and infrastructure on recycling more "complicated" items such as soft plastics, Styrofoam, clothing, and mixed materials. Students mentioned a lack of recycling bins in spaces that they frequent, such as parks. They would like to know where to find a reliable source of information if they run into questions of where to dispose of something. Students emphasized the importance of using the school system to reach their peers with information about waste, and mentioned that they enjoy in-person workshops and activities that are engaging and fun, and prefer to hear directly from someone working on these issues so that they can ask questions. Through this workshop, students were able to increase their awareness of Metro Vancouver and its role in managing waste in the region.	Accessibility and inclusive solid waste programs are incorporated in the guiding principles for the updated solid waste management plan.
1066	12-Nov-24	Engagement Summary Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)		Overall, I heard from students that a major barrier to recycling and composting waste properly comes from a culture of laziness that is due to a lack of knowledge on waste and also due to the inconvenience of our waste systems and infrastructure. Common barriers mentioned by students included not knowing how to recycle common items that aren't accepted in residential waste collection and in school bins, as well as missing information on the products/labels about how to dispose at the end of life.	This idea was considered as a potential action and was incorporated into the options analysis process.
1067	12-Nov-24	Engagement Summary Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)		Students preferred finding their information through online sources like websites, apps, and social media, and would like to learn more about what ncan be recycled and where, why it's important to recycle, and what is done to the material after it's collected. Generally, they would like to see more awareness campaigns on TV, posters, and in ads too.	Accessibility and inclusive solid waste programs are incorporated in the guiding principles for the updated solid waste management plan.
1068	12-Nov-24	Engagement Summary Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)		Students agreed that it was important to engage youth on this topic and to educate their peers, both online on social media but also in person at the schools. They would like to see a more active push for waste education in schools through activities such as mandatory coursework, field trips, presentations from external speakers working on waste, and potential incentives like scholarships, prizes, and volunteer hours for graduation.	Metro Vancouver will consider this feedback when implementing the plan.
1069	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What do you see as the primary challenges or barriers that you face in trying to dispose of and/or recycle waste?	Figuring out which bin to go in, end up throwing out in garbage (Solution: More education)	Noted.
1070	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What do you see as the primary challenges or barriers that you face in trying to dispose of and/or recycle waste?	Not enough garbage bins, e.g. in parks	Metro Vancouver will consider this feedback when implementing the plan.

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1071	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What do you see as the primary challenges or barriers that you face in trying to dispose of and/or recycle waste?	Inconvenience – Have to drive out to London Drugs etc. vs can easily trash it at home. Especially when you have just one item	Convenience is one of the guiding principles of the updated solid waste management plan. Metro Vancouver will consider this feedback when implementing the plan.
1072	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What do you see as the primary challenges or barriers that you face in trying to dispose of and/or recycle waste?	Clothing – my family usually passes down clothes but it doesn't work for all families	Noted.
1073	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What do you see as the primary challenges or barriers that you face in trying to dispose of and/or recycle waste?	Deciding what goes where. Surrey is strict; they notify you if you don't sort properly and won't pick up your trash again, so end up throwing it in the trash	Metro Vancouver will consider this feedback when implementing the plan.
1074	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Social media – we use it a lot more	Noted.
1075	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Signs above bins, outside of school	Noted.
1076	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	An app that scans objects, tells you where to put waste	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.
1077	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Would be nice if Metro Vancouver website had search engine for where to throw away items	See the Metro Vancouver website for a guide on how to recycle and dispose items https://metrovancouver.org/foodscraps/confusing-items
1078	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Door-to-door flyers (even though many times they're ignored)	This idea was considered as a potential action and was incorporated into the options analysis process.
1079	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Access to a direct source who can speak to these things and students can ask questions	This idea was considered as a potential action and was incorporated into the options analysis process.
1080	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Presentations at school, done for all classes to spread the word. Since students are "forced" to be here	This idea was considered as a potential action and was incorporated into the options analysis process.
1081	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Garbage sorting duty, rotated through the classes at school	This idea was considered as a potential action and was incorporated into the options analysis process.
1082	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	More high school workshops. Add on activities to make it fun	This idea was considered as a potential action and was incorporated into the options analysis process.
1083	12-Nov-24	Wokshop Notes	Fraser basin Youth Council	Public members-at-large	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Elementary school students are impressionable, start there. Note: I followed up to ask students for their memories and impressions of learning about waste in elementary school and this is what they said: "We used to have to take trash home and were not allowed to throw out anything at school" "We didn't talk a lot about how to sort or reduce waste in elementary school" Remember having a box just for recycling sharpies; There was only one teacher who was the champion for reducing waste at school. Need more educators to champion for these things.	This idea was considered as a potential action and was incorporated into the options analysis process.
1084	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Too much effort needed to take the extra step to recycle, especially when there are already limited bins to sort the waste into	This idea was considered as a potential action and was incorporated into the options analysis process.
1085	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Difficult and inconvenient to recycle waste that is not collected by the household recycling/composting bins	This idea was considered as a potential action and was incorporated into the options analysis process.
1086	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Single-use options are just more convenient to use in some cases	Noted.

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1087	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Don't know what to do with mixed materials (e.g. when plastics and paper are used together in a product)	Metro Vancouver will consider this feedback when implementing the plan.
1088	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Don't know what to do with waste that could potentially go into multiple bins (e.g. paper straws, take out containers, pizza boxes)	Metro Vancouver will consider this feedback when implementing the plan.
1089	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Confusing when different locations have inconsistent/different bins (e.g. school vs home)	Noted.
1090	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Packaging and containers don't have enough labelling or instructions on how to dispose; need more clear labelling	Noted.
1091	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Would like to know where a product came from, what it's made of	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1092	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Lack of information on where to recycle other items that are not as common; would like to learn what websites can be used/trusted to find out this information	See the Metro Vancouver website for a guide on how to recycle and dispose items https://metrovancouver.org/foodscraps/confusing-items
1093	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Older generations also don't know, need to reach them via newspaper, billboards	Metro Vancouver will consider this feedback when implementing the plan.
1094	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Compostable bags are not accepted in residential bins	Noted.
1095	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Residential waste limited in the types of materials accepted	Noted.
1096	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Some places have bins with different slots for recycling but everything ends up in the same trash bag	Convenience is one of the guiding principles of the updated solid waste management plan. Metro Vancouver will consider this feedback when implementing the plan.
1097	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Some places don't have enough bins or they're overflowing	Noted.
1098	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Build more stations/depots to get refunds on recyclable bottles	Convenience is one of the guiding principles of the updated solid waste management plan. Metro Vancouver will consider this feedback when implementing the plan.
1099	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Better labelled bins	Accessibility and inclusive solid waste programs are incorporated in the guiding principles for the updated solid waste management plan.
1100	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Install more recycling/composting bins in public spaces	Convenience is one of the guiding principles of the updated solid waste management plan. Metro Vancouver will consider this feedback when implementing the plan.
1101	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	One student said she used to live in Vancouver and when she moved to Surrey it was confusing as the different municipalities had different sorting systems	Noted.
1102	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	More labels on everything that say where they can be thrown away	This idea was considered as a potential action and was incorporated into the options analysis process.
1103	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	More labels or posters with details posted above garbage, compost, recycling bins that include a fuller suite of items that can be disposed of in them	This idea was considered as a potential action and was incorporated into the options analysis process.
1104	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Labels can include more info like photos and words to make it more accessible and easier to understand	Metro Vancouver will consider this feedback when implementing the plan.

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1105	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Official source online such as websites or apps with information. They may exist already but students are unaware of them	This idea was considered as a potential action and was incorporated into the options analysis process.
1106	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Create an app that helps identify waste	This idea was considered as a potential action and was incorporated into the options analysis process.
1107	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	QR codes in public places that link to a website with understandable language	This idea was considered as a potential action and was incorporated into the options analysis process.
1108	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Use social media to share information	Metro Vancouver will consider this feedback when implementing the plan.
1109	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Clearer guidelines on what can and cannot be recycled in my area	This idea was considered as a potential action and was incorporated into the options analysis process.
1110	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	More education about the types of waste to be sorted	This idea was considered as a potential action and was incorporated into the options analysis process.
1111	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Clear alternative methods of disposal for waste that's not acceptable in residential collection, show exactly where it can be recycled instead	This idea was considered as a potential action and was incorporated into the options analysis process.
1112	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Locations of all recycling facilities for electronics, clothing, mixed material items	This idea was considered as a potential action and was incorporated into the options analysis process.
1113	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Where does all our waste go after it's collected? Both positive and negative statistics are of interest	This idea was considered as a potential action and was incorporated into the options analysis process.
1114	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Advantages and incentives for recycling and reducing waste	This idea was considered as a potential action and was incorporated into the options analysis process.
1115	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Information on why it's important to separate waste properly, importance for our region and services	This idea was considered as a potential action and was incorporated into the options analysis process.
1116	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Informational posters,TV ads, Flyers in the mail, More workshops, hands-on learning opportunities	This idea was considered as a potential action and was incorporated into the options analysis process.
1117	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Field trips for high school students	This idea was considered as a potential action and was incorporated into the options analysis process.
1118	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Comic/art pieces showing what's done with the waste/where it	This idea was considered as a potential action and was incorporated into the options analysis process.
1119	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	Questions	Does MV have any incentives for reducing household waste?	This idea was considered as a potential action and was incorporated into the options analysis process.
1120	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	Questions	Are there any plans to expand composting options for materials like Styrofoam or other materials that are harder to process?	This idea was considered as a potential action and was incorporated into the options analysis process.

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1121	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	Questions	How do you dispose of: - Clothes -Wooden cutlery -Tiny pieces of paper - Metal - Broken glass/porcelain objects if wrapping them with plastic would make it different materials	This idea was considered as a potential action and was incorporated into the options analysis process.
1122	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	Questions	Do you take staples out of booklets?	Noted.
1123	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	Questions	Is there an easy-to-follow guide to what goes where, is there a website?	See the Metro Vancouver website for a guide on how to recycle and dispose items https://metrovancouver.org/foodscraps/confusing-items
1124	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	Questions	If people are throwing away furniture, who should we call or where can we throw it?	See the Metro Vancouver website for a guide on how to recycle and dispose items https://metrovancouver.org/foodscraps/confusing-items
1125	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	More awareness through presentations to classes from teachers	Noted.
1126	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	External guest speakers and workshops to talk to students	Noted.
1127	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	More in-classroom discussions	Noted.
1128	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Creating scholarships related to waste	Noted.
1129	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Incorporate waste education into curriculum and course coverage (have mandatory units in a course and field trips)	Inclusive solid waste programs is one of the guiding principles of the updated solid waste management plan.
1130	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Hands-on learning	Noted.
1131	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Offer prizes and reward system in school	Noted.
1132	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Require volunteer hours for students	Noted.
1133	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Waste sorting competitions	Noted.
1134	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Make sorting and recycling fun and engaging for younger kids so that they are more educated and care more as they grow up	Inclusive solid waste programs is one of the guiding principles of the updated solid waste management plan.
1135	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Social media - Instagram page, stories, reels - TikTok trends, videos - YouTube videos - Informative posts but also make interesting, eye-catching videos; funny videos with catchy phrases; short but engaging content - Giveaways on social media	Metro Vancouver will consider this feedback when implementing the plan.

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1136	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Create a BC-specific website that provides searchable information on how to sort waste in every city	Recycle BC hosts a tool on their website https://recyclebc.ca/where-can-i-recycle/find-a-depot/
1137	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Online lists of what kinds of things are accepted in blue, black, and green bins	Recycle BC hosts this information on their website https://recyclebc.ca/what-can-i-recycle/
1138	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Create a recycling app that shows what items are recyclable, their drop-off locations, tips for reducing waste	Recycle BC hosts a tool on their website https://recyclebc.ca/where-can-i-recycle/find-a-depot/
1139	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Make information relatable to the everyday citizen	Metro Vancouver will consider this feedback when implementing the plan.
1140	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Hands-on activities in the community	Metro Vancouver will consider this feedback when implementing the plan.
1141	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	More encouragement for citizens, share the consequences of inaction and how important it is	Metro Vancouver will consider this feedback when implementing the plan.
1142	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Spread awareness through posters, news, advertisements	Metro Vancouver will consider this feedback when implementing the plan.
1143	12-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Semiahmoo Secondary – Two Life Sciences 11 classes)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	More presence at community events where people already gather (e.g. a booth on waste at the Christmas market)	Metro Vancouver will consider this feedback when implementing the plan.
1144	12-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance waste reduction?	Government programs should educate the public on recycling and the environment.	Metro Vancouver will consider this feedback when implementing the plan.
1145	13-Nov-24	Engagement Summary Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)		I observed that these students obviously knew and cared a lot about the issue of waste. But even within this highly engaged group, they had identified some barriers to sorting their waste properly, namely with flexible plastics and items composed of mixed materials. The rest of the discussion was mainly focused on how to reach other youth who may not be as passionate or aware of the issues, and ways to incentivize and mobilize them. They believe that more signs and labels are needed to educate people on how to sort their waste. There is a lack of education on why this all even matters, and the possible scenarios from reducing waste or not reducing waste should be clearly communicated to people in order to encourage them to adopt habits. The students also mentioned that while online spaces like social media are important to raise awareness, they would like to see more in-person activities, engagement, and support through events and school environment clubs.	Noted.
1146	13-Nov-24	Engagement Summary Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)		The club was somewhat familiar with Recycle BC already because of their participation in the Flexible Plastics School Collection Program, but they weren't sure about how Recycle BC fits in with the work that Metro Vancouver is doing on the SWMP. Metro Vancouver should consider tapping into and collaborating on the work that Recycle BC and the Vancouver School Board are already doing in schools on waste, in order to further engage this underrepresented demographic (if you aren't already doing so).	Noted.
1147	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Recycling flexible plastics: Have to drive, bike, etc. to recycle them. Travelling far to recycle creates more CO2	This idea was considered as a potential action and was incorporated into the options analysis process.
1148	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Plastic lining on cans, cups, etc. -> mixed materials	Innovation and collaboration to keep products and materials in circulation is one of the guiding principles of the updated solid waste management plan.

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1149	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Bubble tea cups have mixed materials (compost straw, plastic body, paper)	Noted.
1150	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Culture of laziness – if everyone else isn't doing it, then why should I	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1151	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	STEM class at school did a waste audit and found compost bin was OK but the garbage bin had all sorts of materials mixed in it	Noted.
1152	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	More signs would be helpful, even if some people don't read them. And if they don't read, tell them	Inclusive solid waste programs is one of the guiding principles of the updated solid waste management plan.
1153	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Symbols/labels on wrappers – not clear on where things go. Need more labels	Noted.
1154	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Climate change is daunting issue; but recently learned that only 3.5% of people need to actively make change to solve this, so need to share that people CAN make a difference	Noted.
1155	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?	Root of it: Why do people not care? They think that it won't make a difference	This idea was considered as a potential action and was incorporated into the options analysis process.
1156	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	What's "in it" for them? (especially for teens): Why bother if we don't get anything out of it?	This idea was considered as a potential action and was incorporated into the options analysis process.
1157	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Idea: Teenagers like music so maybe provide concert tickets or something as a prize	This idea was considered as a potential action and was incorporated into the options analysis process.
1158	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Recycling deposits – so little money, not enough incentive	Noted.
1159	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Their club is implementing Halloween wrappers recycling, and everyone who participates enters into a draw for a Tim Hortons gift card	Noted.
1160	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Initiatives like this starts routine for people, build habits	This idea was considered as a potential action and was incorporated into the options analysis process.
1161	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Question: Where does recycling end up, after you throw it in the bin?	This idea was considered as a potential action and was incorporated into the options analysis process.
1162	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Why does it matter, if everything all ends in one place?	This idea was considered as a potential action and was incorporated into the options analysis process.
1163	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	People from the City come into schools, or do a school event with fun activities AND information sharing	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1164	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Concerned about elderly folks collecting cans, want to do something to support these people. They often get shamed. The Binners' Project was introduced as a possible resource for the students to look into	Collaboration is one of the guiding principles of the updated solid waste management plan.
1165	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Show consequences E.g. when students watched a documentary on meat, people cut down on their meat consumption	Noted.
1166	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Use art to show what could happen in 20 years and consequences/impacts but also the opposite, of what things CAN look like. Both perspectives important because what motivates one might not motivate another person	Accessibility and inclusive solid waste programs are incorporated in the guiding principles for the updated solid waste management plan.

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1167	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Social media can be impersonal; more likely to do something about it if learn in-person	Noted.
1168	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	For high schools without environment clubs, it's hard to start one. Should be more opportunities to give projects/ building blocks to those schools to start. Advertise opportunities for clubs to join together and network	Collaboration is one of the guiding principles of the updated solid waste management plan.
1169	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Biggest road block is accessibility and knowledge. Can use social media, influencers	Collaboration is one of the guiding principles of the updated solid waste management plan.
1170	13-Nov-24	Workshop Notes	Fraser basin Youth Council	Public (Templeton Secondary School Environment Club)	What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	Teach what's compost, what's recyclable	Noted.
1171	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Regional districts should work together when it comes to advocacy at provincial and federal levels	Metro Vancouver would be happy to collaborate in whatever ways make sense on advocacy at a provincial and federal level.
1172	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	When Metro Vancouver is planning an initiative or program, should reach out to other regional districts to explore coordinating and ensuring consistency	Where initiatives and programs have implications for other regional districts or there is a potential for benefits in working together, Metro Vancouver also sees benefit in coordinating.
1173	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Regional Districts look to Metro Vancouver as leader – information sharing is very important, for example initiatives, programs, educational campaigns, and technical study reports	Metro Vancouver highlighted that behaviour change campaign materials are available online and regional districts are welcome to use and adapt the material, or reach out to zerowaste@metrovancouver.org with any specific requests
1174	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Interest in collaborating on developing policy and educational material	Metro Vancouver highlighted that behaviour change campaign materials are available online and regional districts are welcome to use and adapt the material, or reach out to zerowaste@metrovancouver.org with any specific requests
1175	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Interest in collaborating on a centralized hub for sharing salvaged building materials, and coordinating a cross-regional district repair café network	Metro Vancouver to provide regional districts' current information on repair café program that Metro Vancouver runs
1176	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Construction & Demolition waste is a key sector to work together on, as businesses and materials move between our regional districts	Work is underway to organize a construction and demolition waste reduction forum in spring 2025
1177	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Would be helpful to have an overall provincial plan to address disposal capacity, particularly when local landfills close. This is a challenge shared by regional districts	Agree that provincial discussion would beneficial
1178	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Comment that incineration is not supported by some participants, but would support working together to identify how to work together on increasing processing capacity (e.g. mixed waste material recovery facility or other solutions)	Metro Vancouver clarified that Waste-to-Energy use in the region is counted as disposal and not recycling
1179	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Question whether Metro Vancouver considers Waste-to-Energy as recycling or disposal	Metro Vancouver clarified that Waste-to-Energy use in the region is counted as disposal and not recycling
1180	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Support for consistent definitions of 'recycling' being used between regions	More consistency on definitions for recycling would be beneficial

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1181	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Support for sharing of data to be able to identify waste moving across regional district borders, for the purpose of accurate metrics/reporting. For example, waste companies operate in multiple regional districts, and move material between regions.	•Metro Vancouver detailed solid waste data is available on the Metro Vancouver website •If there is other data that is available to Metro Vancouver and could be shared, Metro Vancouver staff would be happy to discuss
1182	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Suggestion to collaborate on responses to RecycleBC engagement on non-residential packaging and printed paper – presenting comments in coordination to advocate for continuous improvement	Feedback on collaborating on advocacy has been noted
1183	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Suggestion to establish a platform for regional district staff to meet on a regular basis to share information and collaborate on projects. Currently, some regional district staff attend the Regional Waste Reduction Coordinators Committee, but that committee is more geared towards Metro Vancouver member jurisdictions. A dedicated platform for regional districts would help focus the conversation around advancing issues shared by neighbouring regional districts	Metro Vancouver would be happy to participate in meetings with other regional district staff
1184	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Possibility of including provincial staff to hear feedback directly from and engage in discussions with regional districts; or alternatively, meet at the regional district staff level first and bring coordinated feedback/recommendations to the Province	Metro Vancouver would be happy to participate in meetings with other regional district staff
1185	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	These is a need and opportunity to better collaborate and coordinate with multi-family property managers and haulers that work across regional districts. Can streamline processes and communications/education in multi-family buildings. Currently consistency is lacking as often they are serviced by different haulers – no consistent guidelines or resources.	>Improving waste reduction and recycling in the multi-family sector has been noted as potential action in an updated solid waste management plan >Metro Vancouver is currently reviewing resources previously developed for multi-family buildings, and will work with haulers and member jurisdictions to identify materials that remain most helpful and require updating. There is a potential for neighbouring regional district staff to be involved in this process. Metro Vancouver can also share the outcome of this work with regional districts >Metro Vancouver is developing a pilot for a source reduction incentive program to provide waste haulers and processors incentives for taking actions to encourage waste reduction and recycling among customers
1186	13-Nov-24	Discussion Session Notes	Neighbouring Regional Districts	Local government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Increased education on food waste and organics is needed for multi-family buildings since many municipalities do not serve them	>Improving waste reduction and recycling in the multi-family sector has been noted as potential action in an updated solid waste management plan >Metro Vancouver is currently reviewing resources previously developed for multi-family buildings, and will work with haulers and member jurisdictions to identify materials that remain most helpful and require updating. There is a potential for neighbouring regional district staff to be involved in this process. Metro Vancouver can also share the outcome of this work with regional districts >Metro Vancouver is developing a pilot for a source reduction incentive program to provide waste haulers and processors incentives for taking actions to encourage waste reduction and recycling among customers
1187	13-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance waste reduction?	Create a formal program for educating immigrants on proper waste sorting.	This idea was considered as a potential action and was incorporated into the options analysis process.
1188	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Reduce shopping and avoid over-purchasing food or items with excessive packaging.	This idea was considered as a potential action and was incorporated into the options analysis process.
1189	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Use thrift stores, Facebook Marketplace, and community swap groups to give and obtain secondhand items.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1190	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Purchase refillable products and eco-friendly packaging options.	This idea was considered as a potential action and was incorporated into the options analysis process.
1191	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Utilize food-saving apps like "Too Good To Go."	Noted.
1192	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Bring shopping bags, eco-friendly lunch boxes, utensils, and cups.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1193	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Use personal containers for takeout	Reuse is part of the draft hierarchy for an updated solid waste management plan.
1194	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Sort and recycle paper, plastics, and soft materials properly.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1195	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Upcycle old clothing and DIY items like pet toys.	Reuse is part of the draft hierarchy for an updated solid waste management plan.
1196	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Reuse water (e.g., washing rice/vegetables) for watering plants.	Reuse is part of the draft hierarchy for an updated solid waste management plan.
1197	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Donate items to thrift stores.	Reuse is part of the draft hierarchy for an updated solid waste management plan.
1198	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Borrow books or video games from libraries or buy eBooks instead of physical copies.	Reduce and reduse are part of the hierarchy for the updated solid waste management plan.
1199	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Participate in local "free item" exchange platforms and initiatives where neighbors share usable items.	Reuse is part of the draft hierarchy for an updated solid waste management plan.
1200	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Recycling soft plastics and foam is easier at London Drugs compared to depots.	Recycling is part of the draft hierarchy for the updated solid waste management plan.
1201	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Globally, only about 10% of plastic waste is actually recycled. Developed countries often send their plastic waste to developing regions, which can lead to pollution problems there—a very controversial issue. I found data showing that Canada's exports of plastic waste to Malaysia went up from 5.2 million kg in 2022 to 9.8 million kg in 2023, an 88.5% increase. So, how can we make sure this doesn't just shift pollution to other places?	Noted.
1202	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Showing the public how they would deal with the recycled materials? E.g. What is the process in detail? Making videos and posting on social media would be helpful.	Recycling is part of the draft hierarchy for the updated solid waste management plan.
1203	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Allow schools/citizen to join tour/volunteer at recycling facilities to raise awareness and trust	Recycling is part of the draft hierarchy for the updated solid waste management plan.
1204	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Real-time Regional Dashboard, Regular updates and feedback mechanisms, Educational Visualizations	Transparency is incorporated in the guiding principles and options analysis criteria.
1205	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Depot input & export - where did it go - be more transparent about these metrics, checking systems that public can access	This idea was considered as a potential action and was incorporated into the options analysis process.
1206	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Ensure recyclables (especially plastics) are truly recycled and not exported to developing regions, avoiding pollution transfer.	This idea was considered as a potential action and was incorporated into the options analysis process.
1207	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Share detailed metrics about recycling processes, including depot input and export data, through public dashboards and real-time updates.	This idea was considered as a potential action and was incorporated into the options analysis process.
1208	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Provide a "waste journey map" to show the flow of recyclables, their destinations, and processing facilities, enabling accountability.	Transparency is incorporated in the guiding principles and options analysis criteria.
1209	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Create videos and social media content explaining the recycling process and environmental impact of proper waste management.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1210	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Establish public-friendly display points at recycling facilities (e.g., like WEEE Park in Hong Kong) to showcase operations.	This idea was considered as a potential action and was incorporated into the options analysis process.
1211	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Organize events or tours of recycling centres for citizens, schools, and volunteers to raise awareness and trust.	This idea was considered as a potential action and was incorporated into the options analysis process.
1212	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Showcase products made from recycled materials, including their origins and processes (e.g., Taiwan's model for recycled textiles).	This idea was considered as a potential action and was incorporated into the options analysis process.
1213	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Increase exposure of recycling facilities that produce new products from waste to demonstrate tangible benefits.	This idea was considered as a potential action and was incorporated into the options analysis process.
1214	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Form citizen watchdog groups to monitor recycling processes and improve public confidence.	This idea was considered as a potential action and was incorporated into the options analysis process.
1215	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Regularly update citizens with feedback mechanisms and educational visualizations to maintain transparency.	This idea was considered as a potential action and was incorporated into the options analysis process.
1216	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Partner with retailers to create and showcase sustainable initiatives using recycled materials.	This idea was considered as a potential action and was incorporated into the options analysis process.
1217	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?	Utilize corporate collaboration to drive accountability and innovation in recycling practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1218	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	You need to find the resources and information yourself	This idea was considered as a potential action and was incorporated into the options analysis process.
1219	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	In HK, there's a lot of news about different areas and environmentally related news, but over here, news don't appear in social media, so this creates a vacuum and hard to access facts and news about governmental bodies/ orgs	This idea was considered as a potential action and was incorporated into the options analysis process.
1220	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	The implementation of recycling sometimes brings confusion to residents. E.g. If you're living in a house, you have to put a yellow bag in your garage every week which contains papers. However, this bag may easily be missed because of wind or other reasons, and it's also hard to retrieve this bag again since it's hard to find info online.	This idea was considered as a potential action and was incorporated into the options analysis process.
1221	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	People throw whatever they want into the bins, so there's not enough education about sorting. < — This also decreases confidence because this feels like the whole bin might be wasted	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1222	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	Friend in Japan said that they don't' know how to sort solid waste, even if there's small icons and descriptions. It's very unclear about what goes where. It's also unclear about whether compostable bags can be put into organics. Feels like every city is different and hard to understand and implement. This causes everyone to end up putting everything in garbage if it's unclear. Can the government do better to promote/ educate/ communicate and make cure all cities are aligned	Consistency of services provided is integrated in the guiding principles of the updated solid waste management plan.

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1223	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	There's not enough enforcements (i.e. CCTV etc) honor systems do not work anymore as more diverse populations move here	This feedback will be considered in developing a regulatory strategy for the updated plan.
1224	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	Newcomers are finding it difficult to dispose solid waste. Not only provide workshops / education to students/ at schools, but also to adults. More civic education please! It's not reaching communities, even if people actively look for this information	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.
1225	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	Hard to dispose of electronics and appliances, have to drive to depots to dispose of it, so it just end up going in trash. Is it easier for depots to sort this rather than put in on the onus of citizens? This all decreases confidence in the systems	Convenience is one of the guiding principles of the updated solid waste management plan. Metro Vancouver will consider this feedback when implementing the plan.
1226	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	Not having enough depot locations is a huge huge issue. It is not accessible and you have to travel very far to do this. Locations in HK are very accessible in high traffic areas and prime spots	Convenience and accessibility are incorporated into the guiding principles fo rthe updated solid waste management plan.
1227	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	Limited Infrastructure: Inadequate infrastructure for waste management, including recycling facilities and composting centers, can pose challenges in handling and processing different types of waste effectively.	Noted.
1228	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	Waste Diversion Targets: Meeting waste diversion targets set by Metro Vancouver can be a challenge, especially if there is a lack of participation from residents, businesses, and other stakeholders in waste reduction and diversion programs	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.
1229	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	Lack of Public Awareness: Limited awareness among the public about proper waste separation, recycling practices, and the importance of reducing waste can hinder effective waste management efforts.	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.
1230	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?	Illegal Dumping: Illegal dumping of waste in unauthorized areas can be a significant challenge, leading to environmental pollution, public health risks, and increased costs for waste management authorities.	Noted.
1231	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Governmental Coordination and Bureaucracy: Poor collaboration between municipal, provincial, and federal levels decreases system efficiency.	Collaboration is one of the guiding principles of the updated solid waste management plan.
1232	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Limited Accessibility and Infrastructure: Inadequate infrastructure for waste management, including a lack of recycling depots and composting centers. Recycling depots are often inaccessible and require long travel distances.	Convenient and accessible waste and recycling systems is one of the guiding principles for the updated solid waste management plan.
1233	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Public Awareness and Education: Confusion about waste sorting, such as compostable bags and solid waste categories.	Noted.
1234	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Inconsistent recycling practices across cities and supermarkets create additional challenges. Newcomers and diverse populations struggle with waste disposal systems due to lack of multilingual education materials.	Consistency of services provided is integrated in the guiding principles of the updated solid waste management plan.

No.	Date	Source/Material	Organization/Group	Sector/ audience	Engagement Question/Sub-topic	Feedback comment/question	MV response
1235	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Civic education is insufficient and does not reach communities effectively.	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.
1236	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Enforcement and Compliance: Lack of enforcement measures like CCTV to ensure proper recycling behaviors. Honor systems are less effective in diverse communities without clear consequences.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1237	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Transparency and Communication: Lack of accessible information about recycling processes and the journey of waste. Minimal coverage of recycling-related news and updates on social media, leaving residents uninformed.	Transparency is incorporated in the guiding principles and options analysis criteria.
1238	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Lack of Incentives: Recycling systems are not engaging or rewarding enough to encourage participation.	Accountability from businesses, governments, and individuals is one of the guiding principles for the upated solid waste management plan.
1239	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Specialized Waste Management Issues: Difficulties in disposing of electronics, appliances, and beauty packaging. Residents often find it easier to discard such items into garbage due to depot inconvenience.	Convenience is one of the guiding principles of the updated solid waste management plan. Metro Vancouver will consider this feedback when implementing the plan.
1240	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems?	Environmental Risks: Illegal dumping of waste in unauthorized areas, causing pollution and public health risks.	Noted.
1241	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Enhance Coordination and Infrastructure: Streamline collaboration between government levels to ensure policy alignment. Increase the number and accessibility of recycling depots, especially in high-traffic areas.	Collaboration is one of the guiding principles of the updated solid waste management plan.
1242	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Expand Education and Awareness Campaigns: Develop multilingual guides and visuals tailored to diverse communities, including newcomers. Implement workshops and civic education for both adults and students. Use gamification apps to incentivize recycling by offering points and redeemable rewards.	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.
1243	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Ensure Consistency and Transparency: Align recycling practices across all Metro Vancouver cities and supermarkets. Create a public dashboard to provide real-time updates on recycling processes and achievements.	This idea was considered as a potential action and was incorporated into the options analysis process.
1244	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Introduce Enforcement Measures: Use CCTV or other enforcement tools to deter non-compliance. Introduce waste diversion KPIs for local councillors to drive motivation and accountability.	This idea was considered as a potential action and was incorporated into the options analysis process.
1245	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Promote Accessibility for Special Waste: Simplify disposal processes for electronics and appliances by enhancing depot sorting systems.	This idea was considered as a potential action and was incorporated into the options analysis process.
1246	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Offer mobile recycling units for hard-to-reach communities.	This idea was considered as a potential action and was incorporated into the options analysis process.
1247	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Highlight Recycling Benefits and Best Practices: Recognize businesses with sustainable practices using a rating system (e.g., badges).	This idea was considered as a potential action and was incorporated into the options analysis process.
1248	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Promote examples of products made from recycled materials to show tangible benefits.	This idea was considered as a potential action and was incorporated into the options analysis process.
1249	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Reduce Illegal Dumping: Increase monitoring and penalties for illegal dumping while promoting accessible disposal options.	This idea was considered as a potential action and was incorporated into the options analysis process.
1250	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Incentives for Zero waste practices, E.g.Community recognition program: Design a recognition system for neighborhoods or households that demonstrate a commitment to waste reduction. This could take the form of friendly competitions .Zero waste business certification: Establish a local certification that recognizes businesses that consistently minimize waste. Certified businesses could receive promotional support and visibility through Metro Vancouver channels.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1251	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Need to integrate into everyone's lives effortlessly. I.e. maybe with skytrains?	This idea was considered as a potential action and was incorporated into the options analysis process.
1252	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Heard that supermarkets have collections before COVID and it's much easier. This will increase accessibility	This idea was considered as a potential action and was incorporated into the options analysis process.
1253	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	New initiative: Industrial symbiosis is a collaborative approach where different industries work together to use each other's by-products and waste materials as resources. Here are some key aspects and benefits of industrial symbiosis: 1. Resource Exchange: Companies exchange materials, energy, water, and by-products. For example, the waste heat from one factory can be used to power another facility. 2. Geographic Proximity: While not always necessary, having industries located close to each other can facilitate easier and more efficient exchanges. 3. Economic and Environmental Benefits: By using each other's waste, companies can reduce costs and minimize environmental impact. This leads to more sustainable industrial practices. 4. Examples of Industrial Symbiosis: o Kalundborg, Denmark: One of the most famous examples, where multiple companies share resources like steam, water, and waste materials, creating a highly efficient industrial ecosystem2. o Eco-Industrial Parks: These are designed to promote industrial symbiosis by clustering businesses that can benefit from each other's by-products and waste streams. 5. Collaboration and Innovation: Industrial symbiosis encourages companies to collaborate and innovate, finding new ways to use waste materials and improve processes. 6. Policy Support: Governments can support industrial symbiosis through policies and incentives that encourage resource sharing and waste reduction.	This idea was considered as a potential action and was incorporated into the options analysis process.
1254	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Recognition Programs: Establish recognition programs to acknowledge and celebrate businesses, organizations, and individuals that demonstrate leadership in sustainable waste management practices, recycling innovation, and community engagement to inspire others and build confidence in recycling systems.	This idea was considered as a potential action and was incorporated into the options analysis process.
1255	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Collaborate with universities (UBC/ SFU/ Capilano etc.) and schools; incorporate better education on waste management for schoolchildren and university students; visits to landfills and recycling centres/ depots - actually understanding what happens to the waste, what happens when you recycle, why it's better to buy less etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
1256	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Festivals give out utensils for reuse to rent and give back. Collaborate/ encourage restaurants or other festivals/ events to do this	This idea was considered as a potential action and was incorporated into the options analysis process.
1257	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Collaborate with different artists to create more interesting ideas/products regarding recycling, let people know that recycling could be fun and creative as well	This idea was considered as a potential action and was incorporated into the options analysis process.
1258	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Collaborate with supermarket/store/producer to minimise packaging/ unify packages which is easier for citizen to recycle	This idea was considered as a potential action and was incorporated into the options analysis process.
1259	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Community-Based Incentives and Recognition: Establish recognition programs for neighborhoods or households demonstrating commitment to waste reduction through friendly competitions. Develop a zero-waste business certification program to acknowledge businesses minimizing waste, offering promotional support through Metro Vancouver channels. Collaborate with residential complexes to create incentive programs that improve recycling accessibility and participation.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1260	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Integration into Daily Lives: Partner with transit systems (e.g., SkyTrain) to integrate recycling practices into public spaces for convenience. Promote and improve accessibility to recycling apps like "VanCollect" to help residents sort and locate proper recycling bins easily.	This idea was considered as a potential action and was incorporated into the options analysis process.
1261	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Collaborate with Local Businesses: Work with local recycling companies to build trust and improve recycling accessibility.	This idea was considered as a potential action and was incorporated into the options analysis process.
1262	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Encourage supermarkets to revive collection points for recyclables, similar to pre-COVID practices. Partner with green businesses to handle heavy recyclables, such as furniture, or promote reusable packaging like plastic boxes for pastries instead of mixed materials.	This idea was considered as a potential action and was incorporated into the options analysis process.
1263	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Industrial Symbiosis Initiatives: Facilitate collaborations between industries to reuse by-products and waste materials as resources, reducing costs and environmental impact. Promote eco-industrial parks and government policies that support resource sharing and sustainable practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1264	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Collaborations with Educational Institutions: Work with universities (e.g., UBC, SFU) and schools to incorporate waste management education. Organize visits to recycling centres and landfills to help students and the public understand the recycling process and benefits.	This idea was considered as a potential action and was incorporated into the options analysis process.
1265	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Event and Festival Partnerships: Collaborate with festivals and events to provide reusable utensils for rent and return.	This idea was considered as a potential action and was incorporated into the options analysis process.
1266	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Encourage restaurants and events to reduce waste by adopting similar practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1267	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Cultural and Creative Initiatives: Partner with artists to create innovative and creative products from recycled materials, making recycling more fun and engaging.	This idea was considered as a potential action and was incorporated into the options analysis process.
1268	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Packaging Solutions: Work with supermarkets, stores, and producers to minimize and standardize packaging, making it easier for citizens to recycle. Promote the use of recyclable materials for packaging, such as plastic over styrofoam for meat and paper over plastic for bakery items.	This idea was considered as a potential action and was incorporated into the options analysis process.
1269	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?	Support for Newcomers: Collaborate with immigration departments and newcomer organizations to host events and workshops on recycling systems tailored to diverse communities.	This idea was considered as a potential action and was incorporated into the options analysis process.
1270	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of promoting confidence in recycling systems？	Accessible Recycling Facilities in Residential Areas: Condos and apartments generally provide adequate recycling facilities with sufficient categories.	This idea was considered as a potential action and was incorporated into the options analysis process.
1271	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of promoting confidence in recycling systems？	Monitoring and Enforcement: Some condos have monitoring systems and fines for improper sorting. These measures encourage proper recycling practices and foster trust in the system.	This idea was considered as a potential action and was incorporated into the options analysis process.
1272	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of promoting confidence in recycling systems？	Financial Incentives for Beverage Containers: Deposit return programs for drink containers effectively motivate people to recycle, even when the containers do not belong to them.	This idea was considered as a potential action and was incorporated into the options analysis process.
1273	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of promoting confidence in recycling systems？	Clear Labelling on Recycling Bins: Compared to other regions (e.g., the U.S.), bins in Metro Vancouver have clear labels, bullet points, and images to help residents sort waste correctly.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1274	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Holding workshops at various private companies (as some ppl only commute between home & office) / libraries / community centres	This idea was considered as a potential action and was incorporated into the options analysis process.
1275	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Improved Data Transparency and Public Dashboards. It's hard to find information about recycling online, especially on social media. Transparency builds public trust, and accessible data allows residents and stakeholders to understand their region's progress toward waste reduction goals. Actionable steps are establishing real-time regional dashboards, posting instant information on ig/fb etc., creating more incentives for people to pay attention in order to recycle and increase public trust.	This idea was considered as a potential action and was incorporated into the options analysis process.
1276	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	How does Metro Vancouver's recycling system work from start to finish? What happens to the materials once they're collected?	Transparency is incorporated in the guiding principles and options analysis criteria.
1277	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Where does the recycling end up? Are the materials processed locally, or are they sent to other regions or countries? How is the quality of the recycling maintained?	Transparency is incorporated in the guiding principles and options analysis criteria.
1278	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Can Metro Vancouver provide more information about the technologies and methods used in sorting and processing recyclables?	Transparency is incorporated in the guiding principles and options analysis criteria.
1279	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	We dont know how well / bad BC is doing in the recycling field (i only know about the data during this workshop…) > if people know we are doing well > might have incentive to keep it up as a BC resident	Transparency is incorporated in the guiding principles and options analysis criteria.
1280	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Gamify this via an app to sort solid waste as a game? Games are easier to teach/ practice	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.
1281	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Transparency on Recycling Processes: Clear information on what happens to waste from collection to processing, and where it ends up. Details on whether recycling is processed locally or sent abroad, and how the quality of recycling is maintained.	Transparency is incorporated in the guiding principles and options analysis criteria.
1282	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Data on Metro Vancouver's performance in recycling compared to other regions.	Transparency is incorporated in the guiding principles and options analysis criteria.

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1283	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Accessible Educational Materials: Booklets or leaflets available at libraries and community centres. Simple, unified posters explaining recycling systems for newcomers and residents like during COVID.	An inclusive solid waste system is one of the guiding principles of the updated solid waste management plan.
1284	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Public dashboards or real-time updates on recycling progress to build trust.	This idea was considered as a potential action and was incorporated into the options analysis process.
1285	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Technological and Operational Insights: Information about technologies and methods used in sorting and processing recyclables. Examples of innovative recycling practices and methods.	This idea was considered as a potential action and was incorporated into the options analysis process.
1286	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Recycling Standards and Tips: Consistent and simplified guidelines across all cities in Metro Vancouver. Detailed packaging information indicating recyclability. Tips for reducing waste in everyday activities like cooking.	This idea was considered as a potential action and was incorporated into the options analysis process.
1287	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Community Outreach and Workshops: Hold workshops at workplaces, libraries, and community centres. Host community forums at public libraries to engage diverse groups.	This idea was considered as a potential action and was incorporated into the options analysis process.
1288	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Partnerships and Collaboration: Partner with influencers and content creators on platforms like YouTube, Instagram, and Spotify.	This idea was considered as a potential action and was incorporated into the options analysis process.
1289	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Collaborate with diverse communities, schools, and artists to create culturally relevant content and products. Work with local housing and condo boards to display mandatory posters and materials.	This idea was considered as a potential action and was incorporated into the options analysis process.
1290	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Promotions and Incentives: Introduce gamified apps to make recycling fun (e.g., sorting games with rewards). Provide small incentives like discounts, prizes, or tax reductions for recycling efforts. Expand the deposit return system to other materials and offer greater financial rewards.	This idea was considered as a potential action and was incorporated into the options analysis process.
1291	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Advertising and Awareness Campaigns: Use public transit platforms, social media, and public spaces to advertise recycling programs and apps like "VanCollect." Create memorable slogans and visuals (e.g., “Yellow for cans, Blue for paper, Brown for bottles”) to aid recycling education.	An inclusive solid waste system is one of the guiding principles of the updated solid waste management plan.

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1292	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Simplify the System: Make the recycling system less complex for newcomers with straightforward materials like a "101" guide.	This idea was considered as a potential action and was incorporated into the options analysis process.
1293	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Standardize recycling practices across Metro Vancouver to reduce confusion.	This idea was considered as a potential action and was incorporated into the options analysis process.
1294	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this topic?	Green can are only collected once a week which create a lot of problems (odor, attracting animals like raccoon, bugs, buying dedicated plastic bags which are very delicate for green cans).	Noted.
1295	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this topic?	If there is an allowance supporting individuals to buy/share food waste machines in household or building (like sharing washing machines), it can encourage citizens to process their own food waste. They can use the processed food waste for gardening/ to local farmers as fertilizer. It may lift the burden on the recycling schedule in the long term. And citizens will be spared by the aforementioned problems .	Inclusive solid waste services and programs is one of the guiding principles for the upated solid waste management plan.
1296	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this topic?	Living in a house or living in condo have different recycling process which is not fair. Living in condo seems more convenient in recycling. Green bins and other bins are collected once or twice a week which is too long.	A solid waste system and programs that are accessible is one of the guiding principles of the updated solid waste management plan
1297	14-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this topic?	Hold more community discussion workshops like this (in public / through organizations like HKHouse / etc) - for all residents, including people with different ethnic backgrounds	This idea was considered as a potential action and was incorporated into the options analysis process.
1298	14-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance waste reduction?	Implement guest speakers and school presentations on how to separate waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
1299	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Education for public, including youth and businesses, to encourage repair and reuse first, and purchasing durable, long-lasting products. Tailor education by learning where people struggle	This idea was considered as a potential action and was incorporated into the options analysis process.
1300	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Leverage affordability concerns to motivate the movement away from a disposable culture	This idea was considered as a potential action and was incorporated into the options analysis process.
1301	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	More education particularly for multi-family residences; toolkit and workshops	This idea was considered as a potential action and was incorporated into the options analysis process.
1302	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Clarity on recycling streams, particularly plastics; complicated system is too overwhelming	This idea was considered as a potential action and was incorporated into the options analysis process.
1303	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Focus on waste prevention in the commercial/institutional sectors	This idea was considered as a potential action and was incorporated into the options analysis process.
1304	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Design new buildings with deconstruction in mind	This idea was considered as a potential action and was incorporated into the options analysis process.
1305	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Equity: address the current trade-offs related to affordability and consumption	Issues such as equity and affordability were considered in developing evaluation criteria for potential strategies and actions for the updated solid waste management plan.

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1306	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Increase opportunities for residents such as repair cafes	This idea was considered as a potential action and was incorporated into the options analysis process.
1307	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Large-item pick-up programs to address limited reuse options for items like furniture recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
1308	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Address over consumption of reusable bags, now that plastic bags are banned	This idea was considered as a potential action and was incorporated into the options analysis process.
1309	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Encourage more residents, businesses, and NGOs to consider reuse and repair	This idea was considered as a potential action and was incorporated into the options analysis process.
1310	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Reuse markets for wood – discuss role of local government	Collaboration is one of the guiding principles of the updated solid waste management plan.
1311	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Regulations on low quality/durability products, while maintaining affordability	This idea was considered as a potential action and was incorporated into the options analysis process.
1312	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Regulations to reduce hard to recycle products and excessive packaging (such as delivery boxes)	This idea was considered as a potential action and was incorporated into the options analysis process.
1313	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Advocate for reuse regulations, right-to-repair legislation, and reuse standards for products	This idea was considered as a potential action and was incorporated into the options analysis process.
1314	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Rewards or recognition for reducing waste	This idea was considered as a potential action and was incorporated into the options analysis process.
1315	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Increase consumer confidence in cup share programs through reuse certifications	This idea was considered as a potential action and was incorporated into the options analysis process.
1316	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Incentives for haulers to work with customers to recycle and reduce	This idea was considered as a potential action and was incorporated into the options analysis process.
1317	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Pay-as-you-throw, without causing an unintended increase in illegal dumping	This idea was considered as a potential action and was incorporated into the options analysis process.
1318	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	More research to make the case for reuse and repair, such as quantifying climate benefits, identifying additional benefits like community-buy in, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
1319	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Better data on reuse and repair progress, as well as mapping of reuse and repair services	This idea was considered as a potential action and was incorporated into the options analysis process.
1320	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Life cycle analysis to understand the persistence of materials like plastics in the environment	This idea was considered as a potential action and was incorporated into the options analysis process.
1321	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	More transparency from junk removal companies (where do products go)	This idea was considered as a potential action and was incorporated into the options analysis process.

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1322	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	EPR program for textiles	This idea was considered as a potential action and was incorporated into the options analysis process.
1323	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Collect flexible plastics at the curb	This idea was considered as a potential action and was incorporated into the options analysis process.
1324	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to rethink and prevent waste in the first place?	Use clear plastic bags to discourage recyclables in the garbage	This idea was considered as a potential action and was incorporated into the options analysis process.
1325	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Reduce overall garbage collected by reducing number or size of garbage carts	This idea was considered as a potential action and was incorporated into the options analysis process.
1326	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Goal: reduce total overall waste rather than per capita; incorporate climate targets such as scope 3 consumption-based GHG emissions for food, building waste	Noted.
1327	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Education and promotion of waste reduction and reuse in the construction industry by fostering innovative designs	This idea was considered as a potential action and was incorporated into the options analysis process.
1328	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Update regulations to require QR codes on products that lead to information about how to recycle or repair the product	This idea was considered as a potential action and was incorporated into the options analysis process.
1329	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Create framework for building disassembly and reuse	This idea was considered as a potential action and was incorporated into the options analysis process.
1330	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Standardized labelling that shows climate impact of a product and ways to recycle or reuse when the product life is over	This idea was considered as a potential action and was incorporated into the options analysis process.
1331	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Incentivize organics and recycling programs, such as through discounted municipal rates for recycling v.s. garbage; bundle recycling/garbage services together	This idea was considered as a potential action and was incorporated into the options analysis process.
1332	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Collaborate with industry to educate multi-family residences to reduce contamination	This idea was considered as a potential action and was incorporated into the options analysis process.
1333	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Engage with housing and development entities	This idea was considered as a potential action and was incorporated into the options analysis process.
1334	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Increase accessibility to drop-off locations – increased convenience will change behaviour	A solid waste system that is convenient across the region is one of the guiding principles for the solid waste management plan update.
1335	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	EPR programs can collaborate with industry to create opportunities to drop-off recycling at the same location as point of purchase	This idea was considered as a potential action and was incorporated into the options analysis process.
1336	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	ECO fees embedded into the cost of products instead of shown as an additional fee	This idea was considered as a potential action and was incorporated into the options analysis process.
1337	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Recycle BC provide more transparent data and work closely with municipalities to achieve waste reduction in multi-family residences. Recycle BC direct service to multi-family buildings has been a success, but jurisdictions have no access to information about how these programs are performing	This idea was considered as a potential action and was incorporated into the options analysis process.

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1338	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Increase frequency of waste audits – this will help increase accountability	This idea was considered as a potential action and was incorporated into the options analysis process.
1339	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to enhance accountability for eliminating waste?	Enhance public education and promotion of need for accountability	This idea was considered as a potential action and was incorporated into the options analysis process.
1340	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to leverage knowledge and expertise through collaboration?	Collaboration with non-profit organizations, schools, and youth organizations to help implement the solid waste management plan	This idea was considered as a potential action and was incorporated into the options analysis process.
1341	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to leverage knowledge and expertise through collaboration?	Focus discussions among municipalities to advance specific priority areas (e.g. multi-family sector waste reduction, construction and demolition)	This idea was considered as a potential action and was incorporated into the options analysis process.
1342	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to leverage knowledge and expertise through collaboration?	Collaboration with academia on climate issues and consumer behaviour change	This idea was considered as a potential action and was incorporated into the options analysis process.
1343	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to leverage knowledge and expertise through collaboration?	Platform for data sharing and reporting between member jurisdictions to improve coordination; library of case studies; dedicated working sessions; guest speakers from outside of the region.	This idea was considered as a potential action and was incorporated into the options analysis process.
1344	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to leverage knowledge and expertise through collaboration?	Explore how to measure the success of collaborations (e.g. reuse days tonnages, number of items repaired at repair cafes)	This idea was considered as a potential action and was incorporated into the options analysis process.
1345	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to leverage knowledge and expertise through collaboration?	Research and keep up to date with emerging non-profits that bring new technology, programs, or capacity for collaborations	This idea was considered as a potential action and was incorporated into the options analysis process.
1346	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to leverage knowledge and expertise through collaboration?	Respond to impacts of housing densification	A solid Waste system that is resilient to future challenges is one of the guiding principles of the updated solid waste management plan.
1347	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to leverage knowledge and expertise through collaboration?	Provide language support/translation for programs, bylaws, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
1348	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to leverage knowledge and expertise through collaboration?	Metro Vancouver take the lead on advocating for policy change with senior levels of government, with support from member jurisdictions	This idea was considered as a potential action and was incorporated into the options analysis process.
1349	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Eliminate barriers to accessing depots (e.g. a vehicle is often required to access)	This idea was considered as a potential action and was incorporated into the options analysis process.
1350	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Expand the return-to-retail drop-off network, to improve accessibility and convenience (collaborate with businesses)	This idea was considered as a potential action and was incorporated into the options analysis process.
1351	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Leverage artificial intelligence to increase accountability at multi-family residences by installing cameras on container lids or in recycling rooms; address potential privacy concerns; streamline practices for multi-family across the region	This idea was considered as a potential action and was incorporated into the options analysis process.
1352	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Incentives are preferred over penalties – financial incentives, rebate, grant programs specifically for multi-family	This idea was considered as a potential action and was incorporated into the options analysis process.

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1353	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Provide hands on education/presentations to multi-family property managers and strata	This idea was considered as a potential action and was incorporated into the options analysis process.
1354	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Set guidelines for garbage/recycling rooms	This idea was considered as a potential action and was incorporated into the options analysis process.
1355	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Develop a best practices guide for multi-family; work with property managers	This idea was considered as a potential action and was incorporated into the options analysis process.
1356	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Ensure frequency of recycling pick up is sufficient, to reduce contamination in bins	This idea was considered as a potential action and was incorporated into the options analysis process.
1357	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Reduce garbage collection frequency to increase participation in other streams	This idea was considered as a potential action and was incorporated into the options analysis process.
1358	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Increase enforcement for businesses	This idea was considered as a potential action and was incorporated into the options analysis process.
1359	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Enforcement at point of collection; introduce penalties as a financial disincentive; consider region-wide penalties for consistency	This idea was considered as a potential action and was incorporated into the options analysis process.
1360	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Lack of understanding, constant changes in programs, accessibility, and other factors contribute to contamination	Noted.
1361	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Use artificial intelligence to monitor contamination	This idea was considered as a potential action and was incorporated into the options analysis process.
1362	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Better metrics required to enable incentive programs	Noted.
1363	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Simplify recycling. Recycle BC to provide clear information on materials accepted province-wide	This idea was considered as a potential action and was incorporated into the options analysis process.
1364	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Allow one type of compostable plastic, to increase organics recycling participation while addressing the issue of plastic contamination in the organics stream	This idea was considered as a potential action and was incorporated into the options analysis process.
1365	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Better regulate labelling of compostable plastics	This idea was considered as a potential action and was incorporated into the options analysis process.

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1366	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Leverage social media for positive messaging; create reels about the journey of organics from the bin to the finished compost product	This idea was considered as a potential action and was incorporated into the options analysis process.
1367	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation and reduce contamination in organics and recycling programs?	Restrict the sale of compostable plastic	This idea was considered as a potential action and was incorporated into the options analysis process.
1368	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Support schools to provide education on where materials end up	This idea was considered as a potential action and was incorporated into the options analysis process.
1369	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Amplify messages on what happens to recyclables; example is collaborating with C&D and recycling processing facilities to produce videos or organize tours for the public	This idea was considered as a potential action and was incorporated into the options analysis process.
1370	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Provide resources for small businesses	This idea was considered as a potential action and was incorporated into the options analysis process.
1371	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Expand the types of platforms used for education through social media – to counteract messaging promoting skepticism on platforms that governments currently aren't using (e.g. Tiktok)	This idea was considered as a potential action and was incorporated into the options analysis process.
1372	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Educate on roles of different levels of government – as residents don't understand who is responsible for what	This idea was considered as a potential action and was incorporated into the options analysis process.
1373	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Demonstrate what happens to recycling – this has worked with compost giveaways that tell the story of where compost comes from	This idea was considered as a potential action and was incorporated into the options analysis process.
1374	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Collaborate with Recycle BC to more effectively share data, thus increasing transparency and promoting confidence	This idea was considered as a potential action and was incorporated into the options analysis process.
1375	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Educate about extended producer responsibility as not everyone understands it	This idea was considered as a potential action and was incorporated into the options analysis process.
1376	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Advocate to provincial government to require extended producer responsibility organizations to budget for education on confidence/awareness of their programs	This idea was considered as a potential action and was incorporated into the options analysis process.
1377	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to promote confidence in recycling systems?	Advocate for a simpler system where a single EPR agency is responsible for recycling; complexities of the system make it difficult to explain	This idea was considered as a potential action and was incorporated into the options analysis process.
1378	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Translations and diagrams on educational materials and curbside calendars	This idea was considered as a potential action and was incorporated into the options analysis process.
1379	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Physical brochures rather than QR codes to overcome technological barriers	This idea was considered as a potential action and was incorporated into the options analysis process.
1380	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Workshops for newcomers, those who speak a different language, and different age groups including children. Promote where people already are, such as places of worship, community centres, community events, schools, etc.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1381	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Artificial intelligence or chatbots to educate on identifying and sorting materials	This idea was considered as a potential action and was incorporated into the options analysis process.
1382	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Library programs to educate on sorting waste	This idea was considered as a potential action and was incorporated into the options analysis process.
1383	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Enhance large item pick-up, special collection services – to overcome barrier of needing to transport materials to facilities	This idea was considered as a potential action and was incorporated into the options analysis process.
1384	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Harmonization of how waste/recycling is collected in the region	The concept of harmonization within the region is included in the draft strategies and actions for the updated solid waste management plan.
1385	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Identify gaps in service across the region for accessibility	This idea was considered as a potential action and was incorporated into the options analysis process.
1386	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Identify industrial lands available to support new facility/depot development	This idea was considered as a potential action and was incorporated into the options analysis process.
1387	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Improve access by introducing mobile recycling centres in multi-family neighbourhoods; Distributed drop off locations in hubs, such as Drop-off events; collect in places where people are already gathering	This idea was considered as a potential action and was incorporated into the options analysis process.
1388	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Permanent repair cafes	This idea was considered as a potential action and was incorporated into the options analysis process.
1389	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Requirements on the type and amount of bins for construction sites; focus on wood	This idea was considered as a potential action and was incorporated into the options analysis process.
1390	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Investigate how to maximize low-barrier employment opportunities in roles that support waste reduction	This idea was considered as a potential action and was incorporated into the options analysis process.
1391	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Research barriers for people to access programs, such as newcomers; work with organizations already working with these demographics to conduct this research	This idea was considered as a potential action and was incorporated into the options analysis process.
1392	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Expand reuse across the region, for example making space available for reuse operations/organizations on-site.	This idea was considered as a potential action and was incorporated into the options analysis process.
1393	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Secondary screening/separation at the tipping floor to remove recyclables.	Metro Vancouver's disposal ban inspectors are able to identify banned recyclable material in loads and can often educate customers to redirect these materials to recycling options.
1394	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Incorporate new technology where possible throughout the facility to enhance customer experience and operational performance, such as artificial intelligence in recycling depots – to help improve data transparency and visibility on contamination.	This idea was considered as a potential action and was incorporated into the options analysis process.
1395	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	There are limited options for recovering C&D waste -- either take an enhanced role at receiving additional C&D waste for recycling at facilities or investigate where the private sector can help fill in the gaps in the system.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1396	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Expand capacity at recycling depots to receive more recyclables from businesses and municipalities (allowing larger loads and higher limits).	This idea was considered as a potential action and was incorporated into the options analysis process.
1397	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Mobile or satellite recycling depots for small-scale multi-unit housing (i.e., helping system adapt to recent provincial legislative changes re: housing density).	This idea was considered as a potential action and was incorporated into the options analysis process.
1398	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Benefit of Metro Vancouver solid waste facilities includes disposal ban program, important that Metro Vancouver maintain ownership of the facilities.	This feedback was considered in developing a recycling and waste centre strategy for the updated plan.
1399	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Private facilities – complaints about inconsistencies of levels of services offered at private recycling (e.g. EPR supported depots) and disposal facilities – difficult/inconvenient for customers to travel to various facilities with variable operating hours and acceptance of materials in order to drop off all recyclables.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
1400	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Continue to upgrade or replace existing facilities and build new facilities where/when warranted.	This idea was considered as a potential action and was incorporated into the options analysis process.
1401	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Review procurement best practices, e.g. reclaimed materials in new construction of facilities.	This idea was considered as a potential action and was incorporated into the options analysis process.
1402	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Affordability concerns with residents cost of transporting and delivering waste; Local recycling and disposal options can help with rising costs	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
1403	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	“Free waste drop-off” events to help reduce illegal dumping and promote awareness of drop-off options.	This idea was considered as a potential action and was incorporated into the options analysis process.
1404	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Increase accessibility to services for those who face transportation barriers.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
1405	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Map out regional locations of facilities to identify where to plan future facilities based on demographics and zoning.	This idea was considered as a potential action and was incorporated into the options analysis process.
1406	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Preserve light industrial land supply or plan ahead to acquire lands for future facilities.	This idea was considered as a potential action and was incorporated into the options analysis process.
1407	15-Nov-24	Workshop notes	Member Jurisdiction Staff	Local Government	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Protect industrial zoning designations, to facilitate investment and encourage recycling start ups.	This idea was considered as a potential action and was incorporated into the options analysis process.
1408	15-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance waste reduction?	Standardize waste separation systems in buildings.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1409	16-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance waste reduction?	Reduce inconsistencies—waste regulations vary across cities, leading to confusion.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
1410	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Reuse and Reduce: Bring reusable items like shopping bags, lunch boxes, utensils, and water bottles. Use refillable products instead of buying new ones.	Potential strategies and actions include those that can encourage or enable residents to participate in everyday activities that can reduce waste and reduce single use items. The draft waste hierarchy also prioritizes waste reduction and reuse.
1411	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Minimize the purchase of single-use items like saran wrap or garbage bags by repurposing existing items.	Potential strategies and actions include those that can encourage or enable residents to participate in everyday activities that can reduce waste and reduce single use items. The draft waste hierarchy also prioritizes waste reduction and reuse.
1412	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Avoid Christmas gift wrapping or use minimal packaging.	The draft waste hierarchy prioritizes waste prevention.
1413	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Waste Reduction in Daily Practices: Reduce online shopping and takeaway orders to avoid excess packaging. Save and reuse food waste as fertilizer. Use rechargeable batteries and digital versions instead of printed copies. Plan purchases carefully, buying only what is necessary.	Potential strategies and actions include those that can encourage or enable residents to participate in everyday activities that can reduce waste and reduce single use items. The draft waste hierarchy also prioritizes waste reduction and reuse.
1414	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Sustainable Food Practices: Reduce food waste by storing it better and consuming items near expiry. Choose vegetarian or whole-food diets to lower environmental impact. Bring personal containers for dining out to reduce leftovers and packaging.	Potential strategies and actions include those that can encourage or enable residents to participate in everyday activities that can reduce waste and reduce single use items. The draft waste hierarchy also prioritizes waste reduction and reuse.
1415	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Community and Sharing: Borrow tools or items from friends instead of buying new ones. Repurpose and extend the life of items by reselling, donating, or gifting them.	Potential strategies and actions include those that can encourage or enable residents to participate in everyday activities that can reduce waste and reduce single use items. The draft waste hierarchy also prioritizes waste reduction and reuse.
1416	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What are the main actions you already take to eliminate waste?	Recycling and Composting: Recycle diligently, including plastics, Ziploc bags, and chip bags. Compost food waste to create fertilizer for personal or community use. Practice home sorting for better recycling efficiency.	This idea was considered as a potential action and was incorporated into the options analysis process.
1417	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Apartments and condos say you can have biodegradable/compostable bags for kitchen waste, but the strata said no. But the website online said you can. However, people noted that if they see a bag inside the compostable, the entire bin goes to garbage. The participant already actively went to look for this information but came away very confused. So what is true? And if we can't use biodegradable bags, it needs to be made known to everyone.	Issues related to multi-family recycling were considered in developing evaluation criteria for potential strategies and actions for the updated solid waste management plan. Actions that address this issue as well as others are being considered for an updated plan.
1418	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	A student said: people don't care about the items or the types of bins, and the boarding school (private) don't care either. The school wants to increase their processing margins. And the private boarding school doesn't educate about recycling or reuse either. Comment (Canadians are naive, immigrants know how to work the system and also may not have these habits)	This idea was considered as a potential action and was incorporated into the options analysis process.
1419	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Frame issues to different cultural communities based on cultural values for example many Hong kongers care about money so frames a sustainable practices as a money-saving measure	This idea was considered as a potential action and was incorporated into the options analysis process.

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1420	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Educational Initiatives: Start education from primary school to build lifelong habits and knowledge. Teach the importance of reducing and reusing, not just recycling, to minimize waste. Educate property management (e.g., strata), businesses, and organizations to provide consistent, correct recycling information to the public. Use culturally relevant messaging to reach diverse communities (e.g., framing sustainable practices as cost-saving for Hong Kongers).	This idea was considered as a potential action and was incorporated into the options analysis process.
1421	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Improving Clarity and Transparency: Provide clear, consistent guidelines on what can and cannot be recycled. Address discrepancies between recycling centres, municipalities, and businesses regarding what is accepted. Make the recycling system more transparent, showing where waste goes and how it's processed.	This idea was considered as a potential action and was incorporated into the options analysis process.
1422	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Ease of Access and Convenience: Simplify the recycling process by standardizing bins, composting rules, and product labeling.	This idea was considered as a potential action and was incorporated into the options analysis process.
1423	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Introduce barcodes or QR codes on products to indicate recycling instructions. Expand the number of recycling depots and make them more user-friendly, clean, and safe. Partner with supermarkets to allow bottle returns and offer coupons as incentives.	This idea was considered as a potential action and was incorporated into the options analysis process.
1424	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Incentives and Engagement: Create incentive programs for recycling, such as supermarket discounts, coupons, or cost reductions for consistent recyclers. Increase costs for garbage disposal to encourage recycling and proper sorting. Gamify recycling through apps or programs that reward participation and good practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1425	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Addressing Miscommunication and Barriers: Clarify rules around compostable bags and kitchen waste; many are confused about their acceptability. Ensure consistent messaging across all levels, from strata to recycling depots, so residents have accurate information.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
1426	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Reduce barriers caused by the complexity of recycling processes and user experience issues.	This idea was considered as a potential action and was incorporated into the options analysis process.
1427	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs ?	Social Media and Public Awareness: Leverage social media and age-appropriate platforms to promote recycling awareness. Use campaigns that highlight the consequences of poor recycling practices to create urgency. Encourage staff and businesses to set better examples and follow proper recycling practices.	Several draft actions for the plan include the concept of improving education and awareness.
1428	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in to increase participation and reduce contamination in green bin and recycling programs?	Lack of Clear and Accessible Information: Recycling instructions are unclear or inconsistent, especially for newcomers. Many products lack clear labeling on recyclability, leaving people unsure where items should go. Recycling information is not centralized, and each strata or location provides different instructions. Online education is available but not easily accessible or culturally relevant to all communities.	Several draft actions for the plan include the concept of improving education and awareness.
1429	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in to increase participation and reduce contamination in green bin and recycling programs?	Inconvenience in Accessing Recycling Facilities: Recycling depots are far away and inconvenient, and many residents are unaware of locations like London Drugs that accept certain items. Green bins and Return-It depots are insufficiently located and often poorly maintained.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
1430	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in to increase participation and reduce contamination in green bin and recycling programs?	Hygiene Issues and Cost Barriers: Green bins are often dirty and smelly, discouraging people from using them. The cost of purchasing compostable bags and managing organic waste adds financial strain.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.

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1431	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in to increase participation and reduce contamination in green bin and recycling programs?	Inconsistencies Across Municipalities: Different municipalities and facilities accept different items, creating confusion. Rules and definitions for solid waste and recycling vary significantly, leading to contamination and improper disposal.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
1432	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in to increase participation and reduce contamination in green bin and recycling programs?	Lack of Enforcement and Incentives: No enforcement mechanisms are in place to ensure compliance with recycling rules. Incentives are insufficient to encourage the use of environmentally friendly products or proper waste sorting.	Metro Vancouver will consider feedback on compliance promotion when developing strategies and actions for an updated plan.
1433	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in to increase participation and reduce contamination in green bin and recycling programs?	Low Civic Awareness and Education: Many people, including younger generations, lack awareness about the importance of recycling and reducing contamination. Insufficient education on composting, especially for those concerned about odors and storage issues.	Several draft actions for the plan include the concept of improving education and awareness.
1434	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What do you see as the primary challenges or barriers we face in to increase participation and reduce contamination in green bin and recycling programs?	Packaging Design Issues: Product packaging is not designed for easy recycling, adding complexity for consumers.	This idea was considered as a potential action and was incorporated into the options analysis process.
1435	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Improve Information Clarity and Accessibility: Use consistent and centralized guidelines for recycling and composting across all municipalities. Print clear recycling instructions (e.g., barcodes or QR codes) on packaging. Provide multilingual, culturally relevant education materials and campaigns.	This idea was considered as a potential action and was incorporated into the options analysis process.
1436	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Enhance Convenience: Increase the number of recycling depots, green bin locations, and Return-It facilities in easily accessible areas.	This idea was considered as a potential action and was incorporated into the options analysis process.
1437	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Partner with businesses to offer drop-off points or incentives for proper recycling.	This idea was considered as a potential action and was incorporated into the options analysis process.
1438	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Address Hygiene and Cost Issues: Provide residents with clean, functional green bins and approved liners to reduce confusion and costs. Add features like pedal-operated lids to improve usability for seniors and reduce contact with dirty bins. Educate residents on odor management and composting techniques.	This idea was considered as a potential action and was incorporated into the options analysis process.
1439	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Promote Consistency Across Municipalities: Standardize recycling and solid waste disposal rules across municipalities to simplify the process. Implement consistent protocols for large-item disposal to prevent illegal dumping.	This idea was considered as a potential action and was incorporated into the options analysis process.
1440	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Introduce Enforcement and Incentives: Introduce enforcement mechanisms like fines for contamination and rewards for proper sorting. Offer financial incentives for buying eco-friendly products or participating in recycling programs.	This idea was considered as a potential action and was incorporated into the options analysis process.
1441	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Increase Public Awareness: Leverage social media, building posters, and strata communication to educate the public. Host workshops, particularly for newcomers, to build understanding of the recycling system. Focus on education in schools to instill civic awareness from a young age.	This idea was considered as a potential action and was incorporated into the options analysis process.
1442	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What could Metro Vancouver do to address these challenges?	Improve Product and Packaging Design: Collaborate with businesses to design recyclable and minimal packaging. Provide discounts for using reusable cups, containers, or other sustainable packaging.	This idea was considered as a potential action and was incorporated into the options analysis process.
1443	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?	Partnerships with Community Organizations: Collaborate with newcomer organizations (e.g., IRCC, HK House, SUCCESS) to provide culturally specific education and awareness programs. Partner with local community centres, neighbourhood houses, and schools to host workshops, recycling days, and competitions. Set up booths at community events and festivals (e.g., Pride Parade, Greek Festival, Christmas Market) to engage residents.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1444	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?	Engagement with Schools and Educational Institutions: Work with schools to integrate recycling education into the curriculum, ensuring consistent learning for students from Grades 1-9. Organize school-wide recycling or zero-waste days to teach students hands-on practices. Partner with universities and colleges to host sustainability campaigns or events.	This idea was considered as a potential action and was incorporated into the options analysis process.
1445	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?	Collaborations with Businesses and Brands: Partner with major brands (e.g., Lululemon, Starbucks) to offer incentives like discounts or coupons for recycling, reusing, or reducing waste. Work with local merchants to enforce ESG (Environmental, Social, and Governance) efforts, such as promoting reusable cups or clothing donations.	This idea was considered as a potential action and was incorporated into the options analysis process.
1446	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?	Create business ecosystems for reusing waste materials (e.g., unsellable BC farm products going to food banks instead of landfill).	This idea was considered as a potential action and was incorporated into the options analysis process.
1447	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?	Advertising and Outreach: Increase advertisements in accessible locations (e.g., malls, transit stations) and social media to share clear recycling instructions. Reach out to community chat groups (e.g., Champlain Chat, Nextdoor) and Facebook groups to disseminate information. Use influencers, KOLs (Key Opinion Leaders), and celebrities to promote recycling and turn sustainability into a social trend.	This idea was considered as a potential action and was incorporated into the options analysis process.
1448	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?	Unified Policies and Accessibility Improvements: Standardize recycling policies across all cities in Metro Vancouver to eliminate confusion. Introduce mobile recycling stations for easier disposal of large items. Partner with local businesses to create convenient recycling drop-off points.	This idea was considered as a potential action and was incorporated into the options analysis process.
1449	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?	Incentives and Enforcement: Provide financial incentives or coupons for participating in recycling programs. Impose fines for improper recycling or contamination to encourage better practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1450	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?	Culturally Specific Engagement: Tailor communication and outreach to cultural values, ensuring information is linguistically and contextually appropriate. Leverage festivals or events specific to cultural communities to spread awareness.	This idea was considered as a potential action and was incorporated into the options analysis process.
1451	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?	Second Harvest and Food Waste Collaboration: Partner with organizations like Second Harvest and foodwaste.ca to redistribute surplus food to community kitchens, reducing food waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
1452	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Clarity and Transparency: Provide clear, simple instructions for recycling and green bin use, especially for newcomers and non-native speakers. Increase transparency about where recycling fees and eco-fees are spent and how they impact the environment. Share examples of infractions and their consequences, helping residents understand the importance of proper recycling practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1453	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Visualizing the Impact: Use visual tools and media (e.g., showing the life cycle of reduce-reuse-recycle) to make the benefits of waste reduction more tangible. Highlight long-term consequences of not recycling through compelling visuals, like ocean pollution from plastics.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1454	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Broader Scope of Education: Provide detailed instructions about less common recyclable items, not just bottles for Return-It depots. Educate on composting options, including technologies like "Lomi" for home use.	This idea was considered as a potential action and was incorporated into the options analysis process.
1455	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Cultural and Contextual Relevance: Include recycling education in newcomer workshops and resources. Make content culturally relevant and provide targeted messaging for different demographic groups.	This idea was considered as a potential action and was incorporated into the options analysis process.
1456	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Early Education: Start teaching children about recycling and waste reduction at daycare and preschool levels with fun slogans and simple systems. Organize school field trips to recycling centres and green bin facilities for hands-on learning.	This idea was considered as a potential action and was incorporated into the options analysis process.
1457	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Community Outreach and Partnerships: Partner with schools, community organizations, and newcomer services to integrate recycling education into existing programs. Collaborate with festivals, local events, and volunteer activities to promote waste reduction and proper recycling practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1458	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Use of Media and Influencers: Partner with KOLs (Key Opinion Leaders), YouTubers, and celebrities to promote reduce-reuse-recycle messages and green bin use. Leverage social media algorithms to target specific audiences with educational and promotional content.	This idea was considered as a potential action and was incorporated into the options analysis process.
1459	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Incentives and Accessibility: Offer subsidies for eco-friendly practices, such as purchasing composting equipment or participating in recycling programs. Improve the aesthetics and accessibility of Return-It depots and green bins to encourage usage.	This idea was considered as a potential action and was incorporated into the options analysis process.
1460	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Integrate into Daily Processes: Provide recycling and green bin instructions in newcomer welcome kits and workshops. Ensure that waste reduction messaging is part of routine interactions, such as utility bills, online portals, or public announcements.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1461	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?	Holistic Approach: Highlight that recycling should be the last resort, focusing first on reducing and reusing. Share success stories and case studies to inspire and motivate residents to take action.	The draft hierarchy for an updated solid waste management plan prioritizes waste prevention and reduction, with recycling as a less favourable option compared to waste reduction. Disposal is a last resort.
1462	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of increasing participation and reducing contamination in green bin and recycling programs ?	Increased Awareness and Participation: There has been notable progress in public awareness, with more residents actively recycling.	Thank you for that insight.
1463	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of increasing participation and reducing contamination in green bin and recycling programs ?	Frequent lineups at zero-waste centres indicate growing engagement. Recycling has become part of the culture in Vancouver, with many residents understanding its importance.	Thank you for that insight.
1464	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of increasing participation and reducing contamination in green bin and recycling programs ?	Economic Incentives: Programs like Return-It, which offer monetary rewards for recycling, are effective motivators. Awareness that some supermarkets accept recyclable items, though clarity can be improved.	Economic motivators were among the ideas considered in developing draft strategies and actions for the updated plan.
1465	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of increasing participation and reducing contamination in green bin and recycling programs ?	Helpful Infrastructure and Staff: Recycling centres like those in Coquitlam have helpful staff and accept a wide variety of items, making recycling easier for residents.	Thank you for that insight.
1466	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of increasing participation and reducing contamination in green bin and recycling programs ?	Engagement Opportunities: Workshops and community engagement events like today's are valuable for fostering dialogue and gathering public input. Metro Vancouver's openness to feedback and willingness to host discussions is appreciated.	Thank you for the feedback. Metro Vancouver will continue to strive to communicate openly, maintain transparency, and engage with the community.
1467	17-Nov-24	Workshop Notes	Hong Kong House Cultural Society	Public members-at-large	Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of increasing participation and reducing contamination in green bin and recycling programs ?	Sustainable Practices Among Immigrant Communities: Many Asian immigrants already practice sustainability as part of their lifestyle, such as reusing plastic bags and cookie trays or growing herbs, often framed as cost-saving measures. These habits align with sustainable goals and contribute positively to waste reduction.	This idea was considered as a potential action and was incorporated into the options analysis process.
1468	17-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance waste reduction?	Work with retailers to reduce packaging waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
1469	18-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance waste reduction?	Improve awareness—many people don't know they can return bottles to retailers.	This idea was considered as a potential action and was incorporated into the options analysis process.
1470	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver rethink and prevent waste in the first place?	Education and public awareness: Participants emphasized the need for continuous and targeted education campaigns involving schools, community groups, and producers to promote responsible waste management practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1471	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver rethink and prevent waste in the first place?	Collaboration and partnerships: Building strong partnerships with First Nations communities, producers, and organizations like CWMA was seen as crucial for leveraging expertise and resources.	This idea was considered as a potential action and was incorporated into the options analysis process.
1472	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver rethink and prevent waste in the first place?	Infrastructure and economic incentives: Suggestions included exploring options for land access and financial support for recycling and reuse facilities, particularly for depots and for exploring innovative processing technologies that would build local recycling and a more circular economy.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1473	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver rethink and prevent waste in the first place?	Consumer responsibility and behavioural change: Highlighting the importance of consumer choices and incentivizing waste reduction through rewards programs and accessible information on proper disposal methods.	This idea was considered as a potential action and was incorporated into the options analysis process.
1474	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver rethink and prevent waste in the first place?	Prioritizing resource recovery: Identifying and focusing on high-value materials that can be diverted from landfills and reintegrated into the economy. This includes exploring international best practices for resource recovery and innovative solutions.	This idea was considered as a potential action and was incorporated into the options analysis process.
1475	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver rethink and prevent waste in the first place?	Promoting reuse and repair infrastructure: Establishing region-wide infrastructure and systems that support the reuse and repair of items, fostering a culture of repair and extending the lifespan of products. This could include supporting initiatives like repair cafes, tool libraries, and donation platforms.	This idea was considered as a potential action and was incorporated into the options analysis process.
1476	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver rethink and prevent waste in the first place?	Embracing circular economy principles: Implementing systems thinking and life cycle analysis to understand material flows and promote closed-loop systems where waste is minimized and resources are continually circulated.	This idea was considered as a potential action and was incorporated into the options analysis process.
1477	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver rethink and prevent waste in the first place?	Enhancing producer responsibility: Advocating for robust Extended Producer Responsibility (EPR) programs that incentivize manufacturers to design for recyclability, incorporate recycled content, and implement take-back schemes for their products.	This idea was considered as a potential action and was incorporated into the options analysis process.
1478	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver rethink and prevent waste in the first place?	Engaging and educating the community: Implementing comprehensive education campaigns targeted at schools, community groups, and the broader public to raise awareness, promote responsible consumption habits, and foster a sense of community ownership over waste reduction efforts.	This idea was considered as a potential action and was incorporated into the options analysis process.
1479	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver enhance accountability for waste reduction goals?	Strengthening enforcement and penalties: Implementing stricter enforcement mechanisms and meaningful penalties for illegal dumping and improper waste disposal to deter negative behaviours.	This idea was considered as a potential action and was incorporated into the options analysis process.
1480	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver enhance accountability for waste reduction goals?	Implementing transparent data tracking: Developing a comprehensive system to track and measure waste generation, diversion rates, and the environmental impact of waste management practices. This data should be readily accessible to the public to ensure transparency and accountability.	This idea was considered as a potential action and was incorporated into the options analysis process.
1481	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver enhance accountability for waste reduction goals?	Prioritizing high tipping fees: Implementing high tipping fees at landfills and transfer stations to incentivize waste reduction and resource recovery.	This idea was considered as a potential action and was incorporated into the options analysis process.
1482	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver enhance accountability for waste reduction goals?	Mandating product transparency: Requiring producers to disclose the composition of their products, including recycled content and potential for recyclability, to empower consumers to make informed purchasing decisions.	This idea was considered as a potential action and was incorporated into the options analysis process.
1483	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver enhance accountability for waste reduction goals?	Aligning funding with waste reduction goals: Ensuring that financial resources are directed towards initiatives that prioritize waste prevention, reuse, and resource recovery rather than solely focusing on traditional waste management methods.	The draft waste hierarchy prioritizes waste prevention first.
1484	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver leverage knowledge and expertise through collaboration?	Diverse stakeholder engagement: Involving a wider range of stakeholders, including those who may not be traditional "experts," to bring fresh perspectives and insights.	This idea was considered as a potential action and was incorporated into the options analysis process.
1485	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver leverage knowledge and expertise through collaboration?	Support for industry associations: Providing ongoing support for organizations like CWMA that facilitate knowledge sharing, best practice dissemination, and collaborative initiatives.	This idea was considered as a potential action and was incorporated into the options analysis process.
1486	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver leverage knowledge and expertise through collaboration?	Working groups and committees: Establishing targeted working groups to address specific waste streams or challenges, drawing upon the expertise of relevant stakeholders. NOTE: The participants appreciated the work of the National Zero Waste Council in this regard, but the focus was on increasing local actions.	This idea was considered as a potential action and was incorporated into the options analysis process.
1487	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver leverage knowledge and expertise through collaboration?	Facilitating cross-sector partnerships: Building strong collaborations between municipalities, First Nations communities, businesses, non-profit organizations, and research institutions to share knowledge, resources, and best practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1488	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver leverage knowledge and expertise through collaboration?	Supporting industry working groups: Establishing and supporting working groups focused on specific waste streams or challenges to facilitate knowledge exchange, identify innovative solutions, and develop collaborative initiatives.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1489	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver leverage knowledge and expertise through collaboration?	Promoting regional and international knowledge transfer: Engaging in active knowledge transfer with other regions and countries to learn from successful waste reduction initiatives and adapt best practices to the Metro Vancouver context.	This idea was considered as a potential action and was incorporated into the options analysis process.
1490	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver leverage knowledge and expertise through collaboration?	Investing in research and development: Supporting research and development projects focused on innovative waste reduction technologies, materials recovery processes, and circular economy models to foster continuous improvement.	This idea was considered as a potential action and was incorporated into the options analysis process.
1491	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?	Clear and consistent messaging: Developing standardized and easily understandable guidelines for sorting and disposal across all municipalities within Metro Vancouver.	This idea was considered as a potential action and was incorporated into the options analysis process.
1492	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?	Community-based initiatives: Implementing reward programs and community projects to incentivize participation and recognize efforts to reduce contamination.	This idea was considered as a potential action and was incorporated into the options analysis process.
1493	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?	Regular audits and feedback: Conduct ongoing audits of waste streams to identify areas for improvement and provide feedback to residents and businesses.	This idea was considered as a potential action and was incorporated into the options analysis process.
1494	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?	Accessible infrastructure: Ensuring convenient and well-maintained collection infrastructure, including depots, drop-off locations, and appropriately sized bins.	This idea was considered as a potential action and was incorporated into the options analysis process.
1495	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?	Simplifying sorting guidelines: Providing clear, consistent, and easy-to-understand guidelines for sorting waste, organics, and recyclables to eliminate confusion and minimize contamination.	This idea was considered as a potential action and was incorporated into the options analysis process.
1496	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?	Implementing robust educational campaigns: Launching ongoing public education campaigns using various channels, including social media, community events, and school programs, to reinforce proper sorting practices and highlight the benefits of participation.	This idea was considered as a potential action and was incorporated into the options analysis process.
1497	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?	Providing accessible infrastructure: Ensuring convenient and accessible infrastructure for waste collection and drop-off, including strategically placed bins, depots, and recycling facilities.	This idea was considered as a potential action and was incorporated into the options analysis process.
1498	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?	Exploring innovative collection methods: Piloting new collection methods, such as payas-you-throw programs or incentivized recycling programs, to encourage participation and reward responsible waste management.	This idea was considered as a potential action and was incorporated into the options analysis process.
1499	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?	Addressing language barriers: Offering waste sorting information and resources in multiple languages to ensure accessibility and understanding for diverse communities.	This idea was considered as a potential action and was incorporated into the options analysis process.
1500	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver promote confidence in its recycling systems?	Demonstrating transparency in recycling processes: Providing clear information about the destination and processing of recycled materials, including showcasing success stories and the positive impact of recycling efforts.	This idea was considered as a potential action and was incorporated into the options analysis process.
1501	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver promote confidence in its recycling systems?	Combating misinformation and negative publicity: Actively addressing public concerns and misinformation about recycling practices, emphasizing the effectiveness of programs and dispelling myths that undermine public confidence.	This idea was considered as a potential action and was incorporated into the options analysis process.
1502	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver promote confidence in its recycling systems?	Engaging in open dialogue with the public: Hosting public forums, workshops, and online discussions to address concerns, answer questions, and foster a sense of trust and transparency in recycling operations.	This idea was considered as a potential action and was incorporated into the options analysis process.
1503	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver promote confidence in its recycling systems?	Collaborating with media outlets: Working with media outlets to provide accurate and positive coverage of recycling initiatives and achievements, highlighting the benefits and importance of public participation.	This idea was considered as a potential action and was incorporated into the options analysis process.
1504	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver promote confidence in its recycling systems?	Promoting third-party audits and certifications: Seeking independent audits and certifications for recycling facilities and processes to validate compliance with environmental standards and demonstrate commitment to best practices.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1505	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver expand inclusive programs and services?	Land availability and cost: Securing affordable land for recycling depots, transfer stations, and resource recovery facilities, particularly in densely populated urban areas, poses a significant challenge.	This idea was considered as a potential action and was incorporated into the options analysis process.
1506	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver expand inclusive programs and services?	Accessibility and convenience: Ensuring that waste reduction services, such as drop-off locations and collection programs, are conveniently located and readily accessible to all residents and businesses, particularly those in underserved communities.	This idea was considered as a potential action and was incorporated into the options analysis process.
1507	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver expand inclusive programs and services?	Funding constraints: Allocating sufficient financial resources to support the development and implementation of inclusive waste reduction programs, particularly for initiatives that may not generate immediate revenue.	This idea was considered as a potential action and was incorporated into the options analysis process.
1508	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver expand inclusive programs and services?	Stakeholder engagement: Effectively engaging diverse stakeholders, including residents, businesses, non-profit organizations, and First Nations communities, to ensure that programs and services are tailored to meet specific needs and preferences.	Metro Vancouver is committed to robust and inclusive engagement with a variety of audience, both during plan development, and in the future as we work towards implementing elements of the new plan.
1509	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver expand inclusive programs and services?	Addressing contamination issues: Implementing effective strategies to educate the public and reduce contamination in recycling and composting streams which can undermine the efficiency and viability of resource recovery programs.	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
1510	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	How can Metro Vancouver expand inclusive programs and services?	Proximity to a landfill impacts waste management practice Communities with limited access to landfills, such as those on islands, often exhibit greater resourcefulness and community-driven reuse initiatives due to the practical challenges of transporting waste. This highlights the potential of fostering a similar sense of responsibility and localized solutions in urban environments.	This idea was considered as a potential action and was incorporated into the options analysis process.
1511	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	What role can Metro Vancouver play in planning for future infrastructure and systems for waste management across the region?	Conducting comprehensive needs assessments: Undertaking thorough needs assessments to project future waste generation and diversion needs, considering population growth, economic development, and evolving waste composition.	This idea was considered as a potential action and was incorporated into the options analysis process.
1512	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	What role can Metro Vancouver play in planning for future infrastructure and systems for waste management across the region?	Developing long-term infrastructure plans: Creating long-term infrastructure plans that outline the required facilities, technologies, and investments to support sustainable waste management and resource recovery goals.	This idea was considered as a potential action and was incorporated into the options analysis process.
1513	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	What role can Metro Vancouver play in planning for future infrastructure and systems for waste management across the region?	Exploring innovative waste management technologies: Investigating and piloting new and emerging waste management technologies, such as advanced sorting systems, anaerobic digestion, and waste-to-energy, to assess their potential for the region.	This idea was considered as a potential action and was incorporated into the options analysis process.
1514	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	What role can Metro Vancouver play in planning for future infrastructure and systems for waste management across the region?	Collaborating on regional waste management strategies: Working collaboratively with neighbouring municipalities and regional districts to develop integrated waste management strategies that address shared challenges and optimize resource sharing.	This idea was considered as a potential action and was incorporated into the options analysis process.
1515	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	What role can Metro Vancouver play in planning for future infrastructure and systems for waste management across the region?	Securing funding for future infrastructure: Actively pursuing funding opportunities from provincial and federal governments, private sector partners, and other sources to support the development of critical waste management infrastructure.	This idea was considered as a potential action and was incorporated into the options analysis process.
1516	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	First Nations	Meaningful consultation and partnership: Ensuring meaningful consultation and engagement with First Nations communities throughout the planning and implementation phases of the solid waste management plan.	This idea was considered as a potential action and was incorporated into the options analysis process.
1517	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	First Nations	Recognizing traditional ecological knowledge: Incorporating traditional ecological knowledge and practices of First Nations communities into waste reduction strategies and resource management initiatives.	This idea was considered as a potential action and was incorporated into the options analysis process.
1518	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	First Nations	Supporting First Nations-led initiatives: Providing financial and technical support to First Nations communities to develop and implement their own waste management programs and infrastructure projects.	This idea was considered as a potential action and was incorporated into the options analysis process.
1519	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	First Nations	Prioritizing procurement from First Nations businesses: Actively seeking out and prioritizing procurement of goods and services from First Nations-owned businesses in the waste management sector.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1520	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	First Nations	Fostering capacity building and economic opportunities: Collaborating with First Nations communities to create training and employment opportunities in the waste management and resource recovery sectors.	This idea was considered as a potential action and was incorporated into the options analysis process.
1521	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	Producer Responsibility	Product Design and Extended Producer Responsibility (EPR): Encouraging current producers to design products with recyclability and end-of-life management in mind and expanding EPR programs to cover a wider range of products.	This idea was considered as a potential action and was incorporated into the options analysis process.
1522	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders	Producer Responsibility	Collaboration with Municipalities: Encouraging producers to partner with municipalities to raise awareness about recycling programs, provide convenient collection options, and support more repair and reuse initiatives. Metro Vancouver leading this type of collaboration would be a great benefit for the entire industry.	This idea was considered as a potential action and was incorporated into the options analysis process.
1523	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders		Recognizing the interconnectedness of solid and liquid waste streams, particularly in the context of food waste, allows for a more holistic and efficient approach to resource recovery. Integrating strategies from both areas can potentially minimize environmental impacts.	This idea was considered as a potential action and was incorporated into the options analysis process.
1524	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders		Prohibit soil disposal in landfills and promote soil recycling/regeneration within the region.	This idea was considered as a potential action and was incorporated into the options analysis process.
1525	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders		Increase soft plastics recycling/collection.	Thank you for this comment. Currently, soft plastics are accepted for recycling at no cost, at depots. The guiding principles and draft goals for the updated plan include concepts around making it easier and more convenient to recycle effectively.
1526	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders		Focus less on residents and more on other sectors where the largest gains in diversion could be made, e.g. wood waste; industrial, commercial and institutional (ICI); and demolition, landclearing and construction (DLC).	This idea was considered as a potential action and was incorporated into the options analysis process.
1527	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders		Best practices: doing more studies on waste reduction would be great to see and a good resource to be shared with other Municipalities and Regional Districts.	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is one of the guiding principles of the updated solid waste management plan.
1528	19-Nov-24	Focus Group Summary Notes	Coast Waste Management Association	Waste and Environmental Management Stakeholders		Metro Vancouver must continue to lead so that others will follow.	This idea was considered as a potential action and was incorporated into the options analysis process.
1529	19-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance waste reduction?	Government should regulate packaging for school lunches to reduce waste.	Several draft actions for the plan include the concept of waste reduction in schools.
1530	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are the main actions you take to eliminate waste?	Reduce consumption	Noted - thank you for sharing what you do currently to reduce waste.
1531	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are the main actions you take to eliminate waste?	Use reusable bags/utensils, etc.	Noted - thank you for sharing what you do currently to reduce waste.
1532	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are the main actions you take to eliminate waste?	Be mindful of what you purchase—get things that are not single-use	Noted - thank you for sharing what you do currently to reduce waste.
1533	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What do you see as the primary challenges or barriers we face in addressing waste reduction?	Unity between the member districts is essential (Langley program vs Surrey program)	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan. Draft strategies and actions being considered for the updated plan include considering how to streamline systems across the region.
1534	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.		Metro Vancouver waste disposal can be profitable and needs to be addressed—waste to energy, reusable items, organics that can be used as fertilizers	Noted.
1535	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.		Reduction in costs for consumers (homes) and businesses (construction and demolition)	This idea was considered as a potential action and was incorporated into the options analysis process.

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1536	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.		Quantifying what is being disposed of should be made available and transparent	Transparency is incorporated in the guiding principles and options analysis criteria.
1537	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.		Logistics cost of bringing materials, people, carting away waste materials, has an enormous impact. Is that shared? Are there public goals? Do people know the cost?	Transparency is incorporated in the guiding principles and options analysis criteria.
1538	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.		Engagement needed Reward system for businesses going in the right direction? If they are reducing waste produced compared to their industry sector, they should get incentives to do so	This idea was considered as a potential action and was incorporated into the options analysis process.
1539	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.		Waste to energy—district energy system—Metro Vancouver can select rural areas to implement waste-to-energy facilities Surrey does have District Energy—right now just at Surrey City Centre Burning waste in a furnace will increase environmental flu gas emissions and noise	Metro Vancouver is committed to environmentally responsible waste disposal. Disposal is a last resort. The draft waste hierarchy prioritizes waste prevention and reduction first.
1540	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.		China has a lot of big cities where waste to energy is very common	Noted
1541	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.		Bio-gas system Fortis BC does have this in place	Noted.
1542	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What could Metro Vancouver do to address these challenges?	Municipalities, private businesses, and nonprofits that handle recycling and collection should collaborate	This idea was considered as a potential action and was incorporated into the options analysis process.
1543	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What could Metro Vancouver do to address these challenges?	Advocacy—reaching out through engagement sessions like this	This idea was considered as a potential action and was incorporated into the options analysis process.
1544	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What could Metro Vancouver do to address these challenges?	Public spaces where groups are collecting opinions (displays and plans) to increase awareness and gather feedback	Noted.
1545	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What could Metro Vancouver do to address these challenges?	Look to gold-star regions to learn from (France)	This idea was considered as a potential action and was incorporated into the options analysis process.
1546	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What could Metro Vancouver do to address these challenges?	Cross-industry engagement—learn from businesses that have effectively and efficiently advanced their recycling/waste reduction plans and provide that information to local industry groups	Metro Vancouver is committed to engaging businesses and industries on proposed actions and strategies for an updated solid waste management plan.
1547	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What could Metro Vancouver do to address these challenges?	Metro Vancouver can hold a regular committee/meeting and invite professionals, experts, and consultants to discuss their plans and implementation strategies	Thank you for these suggestions.
1548	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What could Metro Vancouver do to address these challenges?	Look at Sweden as an example	Noted.
1549	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What could Metro Vancouver do to address these challenges?	Attend community/business events as exhibitors to showcase what Metro Vancouver is doing and further educate the community	Several draft strategies and actions relate to community education.
1550	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Plastic bag regulations are working well—need provincial intervention/regulations to strengthen this further. Changing behaviors through legislation	Noted. Several draft actions point to the need for advocacy at the provincial level.
1551	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Awareness is important and is being expanded upon One semester/class for university/colleges on how to protect the environment—start education early	Several draft strategies and actions relate to education.
1552	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	New York ran out of money for garbage collection, and they left piles of garbage. We are fortunate. In many respects, Metro Vancouver is doing an excellent job in managing waste	Thank you for your comment.
1553	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Room for improvement—generate less waste	The draft waste hierarchy points to preventing waste as being the highest priority.

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1554	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Do not place onus on the consumer—it needs to be incentivized through policy change. Cost is the number one driver of household decision-making for those within a certain means (equity)	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
1555	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Cost needs to be universal	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
1556	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Infrastructure and systems must be equitable and must consider the cost for the end user of the system Need A/B testing and competition within it Businesses should use the private sector and evaluate them based on the market—innovation occurs through competition This makes services more affordable and easier to access Remove the worst offenders one at a time	Affordability and innovation are elements of the guiding principles of the updated solid waste management plan.
1557	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Waste can be a profit center—items that can be reused and recycled should be put back into the circular system Electronics recycling should be improved for material recovery	This idea was considered as a potential action and was incorporated into the options analysis process.
1558	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Systems should be designed to be circular from the start	"Enable circular systems that preserve resources" is the first of the draft goals of the updated solid waste management plan.
1559	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	More communication is needed	Several draft strategies and actions relate to communications and education.
1560	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Metro Vancouver is doing a good job of adding more items that can be recycled and expanding municipal curbside recycling programs Langley allows glass recycling curbside, but Surrey does not—this inconsistency is confusing	Thank you for your comment.
1561	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What is working well and should not be changed in the current system? What is going well and could be expanded on?	Incentivize beverage containers—milk containers can now be recycled and money given back. However, confusion still exists around this system	Thank you. Several ideas for actions included incentives.
1562	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What types of information would be most helpful for you in furthering your understanding of waste management? What questions do you have?	Need to understand the cost of facilities—costs and time it takes to build are increasing	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.
1563	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What types of information would be most helpful for you in furthering your understanding of waste management? What questions do you have?	What is planned? There is minimal understanding among residents and businesses Where do electric batteries go? Are automotive dealers incentivized to recycle them? Is there a recycling deposit for batteries?	Noted
1564	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What types of information would be most helpful for you in furthering your understanding of waste management? What questions do you have?	What is the benefit of the plastic bag waste ban? Need transparency on the effectiveness of these legislative changes	Several draft strategies and actions relate to communications and education. Current restirctions on plastic shopping bags have been implemented by the provincial government.
1565	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What types of information would be most helpful for you in furthering your understanding of waste management? What questions do you have?	Cost is very important—communities need to know the benefits of the plan	Affordability is a key element of the guiding principles of the updated solid waste management plan.
1566	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What types of information would be most helpful for you in furthering your understanding of waste management? What questions do you have?	Household waste (organics, recycling) is a focus, but what about construction and demolition waste? Concrete and bricks generate a lot of waste—there needs to be more companies that handle this material Need information on where this type of waste is happening the most and how it is managed	Draft strategies and actions for the updated plan will address construction and demolition waste.
1567	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What types of information would be most helpful for you in furthering your understanding of waste management? What questions do you have?	Need to understand landfill capacity—are we at capacity? Odor issues could impact communities around landfills	This feedback will be considered in the development of residuals management technical criteria for the updated plan.
1568	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What types of information would be most helpful for you in furthering your understanding of waste management? What questions do you have?	There was a recycling program for textiles for a year, but they took it away. Kids go through clothes that cannot be reused	Several draft actions for the plan are related to textiles waste reduction and recycling.

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1569	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are some ways to engage with Metro Vancouver residents on waste management issues?	Apps to connect people to Metro Vancouver—keep residents informed about new waste programs, reminders, and updates	Several draft strategies and actions relate to communications and education.
1570	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are some ways to engage with Metro Vancouver residents on waste management issues?	Be where people are—meet them at malls, parks, business parks, and community events Inform people so they feel better about the taxes they pay	Several draft strategies and actions relate to communications and education.
1571	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are some ways to engage with Metro Vancouver residents on waste management issues?	Use traditional media platforms—news, newspapers, online articles	This idea was considered as a potential action and was incorporated into the options analysis process.
1572	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are some ways to engage with Metro Vancouver residents on waste management issues?	Social media posts—education and engagement efforts	This idea was considered as a potential action and was incorporated into the options analysis process.
1573	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are some ways to engage with Metro Vancouver residents on waste management issues?	Inform people about what they can recycle, particularly around the holidays	This idea was considered as a potential action and was incorporated into the options analysis process.
1574	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are some ways to engage with Metro Vancouver residents on waste management issues?	Have Metro Vancouver leaders speak publicly and gather feedback directly	Noted
1575	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are some ways to engage with Metro Vancouver residents on waste management issues?	All these efforts should aim to instill pride in residents for participating in waste management	This idea was considered as a potential action and was incorporated into the options analysis process.
1576	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	What are some ways to engage with Metro Vancouver residents on waste management issues?	Online system where people can type in what they can and cannot recycle—current systems are limited	Several draft strategies and actions relate to communications and education.
1577	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Frustration with the many different waste management practices between municipalities—lack of consistency is confusing	Consistency of services provided is integrated in the guiding principles of the updated solid waste management plan.
1578	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Carpet cleaner-type waste disposal is hard to find—how cities manage this type of waste is unclear	Noted.
1579	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Calgary fire stations offer chemical waste collection, including paint and other hazardous materials—Metro Vancouver could consider similar collection locations	This idea was considered as a potential action and was incorporated into the options analysis process.
1580	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	A centralized drop-off location that accepts all waste types would make things easier	This idea was considered as a potential action and was incorporated into the options analysis process.
1581	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Ensure all municipalities have consistent waste disposal programs	This idea was considered as a potential action and was incorporated into the options analysis process.
1582	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Textile waste is a big issue—microfiber pollution is a problem as many synthetic textiles shed plastic particles into the water system	Several draft actions for the plan are related to textiles waste reduction and recycling.
1583	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Drop-off points need to be more accessible and better advertised	This idea was considered as a potential action and was incorporated into the options analysis process.
1584	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Fast fashion generates a lot of waste—this issue needs to be addressed	Several draft actions for the plan are related to textiles waste reduction and recycling.
1585	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Every time waste management is discussed, reuse should be the first and most important point Industries should be incentivized to reuse materials because it benefits the environment and saves businesses money Plastic bags can be reused many times Metals and plastics can be reused multiple times, saving costs	This idea was considered as a potential action and was incorporated into the options analysis process.
1586	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Waste-to-energy requires extensive classification of materials Magnets are used to collect steel from waste to prevent furnace damage	Noted.
1587	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Smaller housing units make it difficult to sort through recycling at home—waste sorting needs to be accessible	This idea was considered as a potential action and was incorporated into the options analysis process.
1588	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Recycling depots should be within walking distance of where people live	This idea was considered as a potential action and was incorporated into the options analysis process.

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1589	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Teach waste reduction and recycling at a young age—build mindfulness from an early stage	Several draft strategies and actions relate to communications and education.
1590	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	Auto-sorting technology should be implemented—it is time-consuming for people to manually sort waste	Noted.
1591	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	More support for switching to reusable alternatives	This idea was considered as a potential action and was incorporated into the options analysis process.
1592	19-Nov-24	Focus Group Notes	Surrey Board of Trade	Businesses, industry representatives, and policymakers.	Is there anything else you'd like to add?	No waste management plan exists for businesses No organics disposal plan for businesses	Metro Vancouver will consider waste management and organics plans for businesses when developing strategies and actions for an updated plan.
1593	20-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance waste reduction?	Some schools require kids to take trash home, but there needs to be better support for sustainable packaging alternatives.	This idea was considered as a potential action and was incorporated into the options analysis process.
1594	21-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	Let's flip the script: What is working well in the current system that should not change? What should be expanded?	Express bottle return system works well.	This idea was considered as a potential action and was incorporated into the options analysis process.
1595	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Connect projects to haulers (protect haulers and receiver confidential information such as customer base) to receivers (as per SF example), can use Green Halo platform https://www.greenhalosystems.com/	This idea was considered as a potential action and was incorporated into the options analysis process.
1596	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party	This idea was considered as a potential action and was incorporated into the options analysis process.
1597	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Common confidential database so that we can measure reductions/increases - independent industry platform.	This idea was considered as a potential action and was incorporated into the options analysis process.
1598	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Embed the Zero Waste Hierarchy and C&D waste/embodied carbon hierarchy in Metro Van's procurement and policies - include sourcing used/salvaged materials where possible. Encourage other organizations to do the same. (this can be part of creating end markets)	This idea was considered as a potential action and was incorporated into the options analysis process.
1599	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Managing waste volumes and surges	Public awareness campaign regarding land use.	Planning for land use in the region is part of the Metro 2040 Regional Growth Strategy.
1600	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Managing waste volumes and surges	Work with organizations that make decisions that increase waste during disasters to make waste minimization also a priority (i.e. insurance companies, etc).	This idea was considered as a potential action and was incorporated into the options analysis process.
1601	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Managing waste volumes and surges	Work with building and design industry and policy makers to adopt the ZW/embodied energy hierarchy as the guidance for building sector	This idea was considered as a potential action and was incorporated into the options analysis process.
1602	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Review policies and publications for language that "assumes" waste generation. For example revise "demolition" to "building removal" and "construction waste" to "construction excess resources"	This idea was considered as a potential action and was incorporated into the options analysis process.
1603	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Have a pollution hierarchy such that pollution prevention is not undertaken at one level unless all feasible options for pollution prevention at a higher level have been taken	This idea was considered as a potential action and was incorporated into the options analysis process.
1604	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Require DfD/A, salvage reuse and recycled content in all MV's own building and infrastructure procurement.	This idea was considered as a potential action and was incorporated into the options analysis process.
1605	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Push for building codes to consider disassembly, repair, flexibility of use, deconstruction and embodied carbon	This idea was considered as a potential action and was incorporated into the options analysis process.
1606	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Adopt the ZW hierarchy as the guide and encourage others to do so as well	This idea was considered as a potential action and was incorporated into the options analysis process.
1607	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Support capacity building (education) in the industry	This idea was considered as a potential action and was incorporated into the options analysis process.
1608	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Produce and distribute specification templates for circular building procurement	This idea was considered as a potential action and was incorporated into the options analysis process.

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1609	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Encourage Product design for modularity, reuse recycle (according to pollution hierarchy)	This idea was considered as a potential action and was incorporated into the options analysis process.
1610	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Consult on licensing (permitting) and regulating haulers (as per SF)	This idea was considered as a potential action and was incorporated into the options analysis process.
1611	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Incentivize source separation	This idea was considered as a potential action and was incorporated into the options analysis process.
1612	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Have collection of reusable items at disposal locations as per North Van pilot, but permanent (Whistler as example https://mywcss.org/social-enterprises/re-use-it-centre/)	Reuse is reflected as a priority on the draft waste hierarchy. Metro Vancouver is working to expand reuse opportunities at its recycling and waste centres.
1613	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Set up systems to address costs of material storage (can be using public land, providing support or other tools)	This idea was considered as a potential action and was incorporated into the options analysis process.
1614	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Streamline regulation system to foster increased use of salvaged/diverted materials	This idea was considered as a potential action and was incorporated into the options analysis process.
1615	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Work with province, academia and NGOs to develop a model for wood waste that determines what assets exist and what are needed to create an ecosystem that can handle all kinds of wood and use it to the highest and best purposes (like King County). Use NZWC or other systems to build regional partnership.	This idea was considered as a potential action and was incorporated into the options analysis process.
1616	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Virtual Marketplace Platform (RHEAPLY), provides important tools; public marketplace for businesses; asset management for those large inventory holders for their stock - Like 'house moving storage' for example	This idea was considered as a potential action and was incorporated into the options analysis process.
1617	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Industry to develop their strategy in reduce/reuse targets with guidance from govt. eg. defining "highest use"	This idea was considered as a potential action and was incorporated into the options analysis process.
1618	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Managing waste volumes and surges	Framework developed where products that cannot be reused or recycled have an environmental fee	This idea was considered as a potential action and was incorporated into the options analysis process.
1619	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Pollution Hierarchy 1. reduce environment impact by producing the product by eliminating toxic components and increase energy efficiency; 2. redesign to improve reusability or recyclability; 3. reuse the product, 4. recycle the product	This idea was considered as a potential action and was incorporated into the options analysis process.
1620	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Work with the province and other partners to have EPR for C&D materials	This idea was considered as a potential action and was incorporated into the options analysis process.
1621	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	"Hyper-regulate" (look at new term, effective regulation) mixed waste / commingled, standardized communication	This idea was considered as a potential action and was incorporated into the options analysis process.
1622	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Have significant deterrents for projects, haulers and receiving facilities that misreport their recycling/waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
1623	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Ensure enforcement of existing regulations	This idea was considered as a potential action and was incorporated into the options analysis process.
1624	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	https://www.recyclingcertification.org/ to ensure recycling / recovery is taking place	This idea was considered as a potential action and was incorporated into the options analysis process.
1625	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Open land uses to recycling (may be residual waste)	This idea was considered as a potential action and was incorporated into the options analysis process.
1626	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Adopt a pollution hierarchy and framed in the regulation as a guiding principle	This idea was considered as a potential action and was incorporated into the options analysis process.
1627	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Phase out incineration of all materials including C&D. Work to recover materials instead.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1628	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Create a municipal template and toolkit for building removal bylaws that include house moving and deconstruction	This idea was considered as a potential action and was incorporated into the options analysis process.
1629	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Work with Fraser Valley RD to jointly research 2-3 combined heat and power plants for lower mainland	This idea was considered as a potential action and was incorporated into the options analysis process.
1630	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Managing waste volumes and surges	Start to regulate out the use of materials that can't be reused or recycled. Phase out problematic materials	This idea was considered as a potential action and was incorporated into the options analysis process.
1631	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Tracking generators, haulers and receivers	This idea was considered as a potential action and was incorporated into the options analysis process.
1632	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Licensing and permits	This idea was considered as a potential action and was incorporated into the options analysis process.
1633	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Capacity tracking (receivers)	This idea was considered as a potential action and was incorporated into the options analysis process.
1634	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Audits and certifications	This idea was considered as a potential action and was incorporated into the options analysis process.
1635	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Accountability and oversight of C&D Waste	Collecting good data and 'leakage' out of region	This idea was considered as a potential action and was incorporated into the options analysis process.
1636	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Procurement for waste management/salvaged materials – MV template for managing site and building materials	This idea was considered as a potential action and was incorporated into the options analysis process.
1637	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Address costs of material storage	This idea was considered as a potential action and was incorporated into the options analysis process.
1638	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Create certainty in the marketplace of both supply and demand	This idea was considered as a potential action and was incorporated into the options analysis process.
1639	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Facilitate land for receiving facility use (recycling, reuse, etc.) with industrial rezoning and cost reductions	This idea was considered as a potential action and was incorporated into the options analysis process.
1640	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Create an environment to create more processing capacity	This feedback will be considered in developing a regulatory strategy for the updated plan.
1641	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Create business opportunities for C&D waste with established partners/problem solvers	This idea was considered as a potential action and was incorporated into the options analysis process.
1642	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Facilitate markets for diverted goods	Remove regulatory barriers for processors and end user	This feedback will be considered in developing a regulatory strategy for the updated plan.
1643	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Managing waste volumes and surges	Prevention of C&D waste due to affordable housing policy and other changes in land uses.	This idea was considered as a potential action and was incorporated into the options analysis process.
1644	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Managing waste volumes and surges	End use management – capacity under current 'onerous' requirements	This idea was considered as a potential action and was incorporated into the options analysis process.
1645	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Managing waste volumes and surges	Building removal options, support hierarchy	This idea was considered as a potential action and was incorporated into the options analysis process.
1646	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Managing waste volumes and surges	Renovation and retrofit vs new build	This idea was considered as a potential action and was incorporated into the options analysis process.
1647	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Tie waste into values and priorities (practicality, cost, circularity, carbon and climate change)	This idea was considered as a potential action and was incorporated into the options analysis process.
1648	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Design for Disassembly/Adaptability	This idea was considered as a potential action and was incorporated into the options analysis process.

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1649	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Extended Producer Responsibility for C&D	This idea was considered as a potential action and was incorporated into the options analysis process.
1650	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Influence policies on end uses (such as wood pellets)	This idea was considered as a potential action and was incorporated into the options analysis process.
1651	21-Nov-24	Construction and Demolition Working Group - Summary of Discussion	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Adoption of zero waste hierarchy	Examine incineration	This feedback was considered in the development of the draft hierarchy for the updated solid waste management plan.
1652	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Food waste and organic waste data	Track & report food waste generated per capita vs. 2016 baseline Track SDG 12.3 year over year (2030 target: -50% food waste/capita) 2016 baseline =158 kg food waste per capita	This idea was considered as a potential action and was incorporated into the options analysis process.
1653	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Food waste and organic waste data	Improve quantification for food wasterecycled: estimated that 50% Food Waste + 50% Yard Waste In the Food Waste part: split residential vs. commercial unknwon	This idea was considered as a potential action and was incorporated into the options analysis process.
1654	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Food waste and organic waste data	Improve reporting /accountability: Vancouver Food Policy Council's Food Waste Reporting motion (2022) Haulers should be required to report data to Metro Vancouver Data isn't perfect but exists so let's share it and be transparent	This idea was considered as a potential action and was incorporated into the options analysis process.
1655	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention	Make food waste prevention a big priority for the new plan	Several draft actions for the plan are related to food waste.
1656	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention	Continue and expand education to family housing: Amplify Love Food Hate Waste campaign.	Several draft actions for the plan are related to food waste, as well as communications and education.
1657	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention	Work across sectors and levels of government to improve policies: Align with: Waste prevention policies (National Zero Waste Council), Food policies (e.g. Regional Planning work on Food Systems), Climate policies (e.g. Climate 2050 to include food waste)	This idea was considered as a potential action and was incorporated into the options analysis process.
1658	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention (of commercial food waste)	Explore tactics to target food waste at source for businesses	This idea was considered as a potential action and was incorporated into the options analysis process.
1659	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention (of commercial food waste)	66% of food waste happening in Vancouver from IC&I sectors	This idea was considered as a potential action and was incorporated into the options analysis process.
1660	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention (of commercial food waste)	Restaurants have reduced food waste less effectively than retailers	This idea was considered as a potential action and was incorporated into the options analysis process.
1661	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention (of commercial food waste)	Require waste reduction plan/food waste data to get a business licence	This idea was considered as a potential action and was incorporated into the options analysis process.
1662	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention (of commercial food waste)	Provide education, tools and support directly to food businesses: Easier as haulers have comingled loads from multiple sources. Frame it as a business opportunity, focusing on positive outcomes	This idea was considered as a potential action and was incorporated into the options analysis process.
1663	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention (of commercial food waste)	Provide funding /incentives to track food waste with different solutions	This idea was considered as a potential action and was incorporated into the options analysis process.
1664	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Prevention (of commercial food waste)	Move to penalties after education: Penalties need to be high enough to change behavior	This idea was considered as a potential action and was incorporated into the options analysis process.
1665	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Rescue	Foster cross-department collaboration on food security	This idea was considered as a potential action and was incorporated into the options analysis process.
1666	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Rescue	Develop systems to support food sharing /recovery + share successes. Ex: Food Mesh / Foodstash / Vancouver Food Runners	This idea was considered as a potential action and was incorporated into the options analysis process.
1667	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Rescue	Map out food recovery assets/food waste solutions per stage of the food supply chain	This idea was considered as a potential action and was incorporated into the options analysis process.
1668	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Rescue	Clarify what can be donated: Ex: surplus food from buffets can be donated	This idea was considered as a potential action and was incorporated into the options analysis process.
1669	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (food waste)	Make Organics curbside collection and drop-off options available across the region for all residents (SF and MF) and ICI sectors	This idea was considered as a potential action and was incorporated into the options analysis process.

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1670	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (food waste)	Have mandatory recycling composting and waste streams for ICI	This idea was considered as a potential action and was incorporated into the options analysis process.
1671	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (food waste)	Have incentives to drive the organic materials into the compost stream	This idea was considered as a potential action and was incorporated into the options analysis process.
1672	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (food waste)	Use clear bags to enforce bans more effectively: Some challenges, such as privacy issues, to consider. Clear bags implemented successfully in other areas in Canada	This idea was considered as a potential action and was incorporated into the options analysis process.
1673	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (food waste)	Discuss a pilot of Mixed Waste Processing as in the region of Peel. Higher diversion rate when processing food waste and recycling together?	This idea was considered as a potential action and was incorporated into the options analysis process.
1674	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (food waste)	Process organics locally within the region, focusing on quality	This idea was considered as a potential action and was incorporated into the options analysis process.
1675	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (food waste)	Quantify recycling options: composted v.s. animal feed v.s. biogas	This idea was considered as a potential action and was incorporated into the options analysis process.
1676	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (compostable plastics)	Design agile policies that can adapt to changing infrastructure and opportunities to innovate. Temperature and moisture have the greatest impact. The optimal conditions vary by material type.	This idea was considered as a potential action and was incorporated into the options analysis process.
1677	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (compostable plastics)	Develop a supportive framework for addressing the promise and problems with compostable items that incorporate harmonized education, labelling and messaging	This idea was considered as a potential action and was incorporated into the options analysis process.
1678	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recycling (compostable plastics)	Recognize and catalyze the evolution of organics processing infrastructure that supports the diversion of select, targeted compostable items.	This idea was considered as a potential action and was incorporated into the options analysis process.
1679	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Unacceptable	Make it impossible to just choose garbage: Make it simpler with a package service with 3 bins	This idea was considered as a potential action and was incorporated into the options analysis process.
1680	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Unacceptable	Use Avoidable vs. unavoidable with caution. Clarify definitions of what is unavoidable. Both avoidable and unavoidable should be unacceptable in disposal	This idea was considered as a potential action and was incorporated into the options analysis process.
1681	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Unacceptable	Accept the system is not perfect. Perfect separation will never be achieved.	Noted.
1682	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Unacceptable	Work to remove organics from garbage. Food Waste Disposed: 62% Residential / 38% Commercial Food Waste Recycled: split unknown.	This idea was considered as a potential action and was incorporated into the options analysis process.
1683	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Carbon footprint	Food waste = 8-10% of global GHG emissions. Source: 2021 UNEP Food Waste Index Report. 4x the carbon footprint of the aviation industry	Noted.
1684	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Carbon footprint	Include indirect emissions. Territorial emissions: 15 Mt CO2e Food = 3%. Consumption-based emissions: 23 Mt CO 2e Food = 19%	This idea was considered as a potential action and was incorporated into the options analysis process.
1685	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Carbon footprint	Require carbon footprint reporting for businesses of a certain size	This idea was considered as a potential action and was incorporated into the options analysis process.
1686	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	5 Goals and associated key metrics	1. Reduce waste: Food Efficiency (kg food /capita), Progress towards SDG 12.3 (%), Cost of wasted food ($ / capita) Carbon footprint of wasted food (tonnes CO2e/Capita)	This idea was considered as a potential action and was incorporated into the options analysis process.
1687	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	6 Goals and associated key metrics	2. Reduce total organics: Yard Efficiency (kg yard /capita), Total Organics Recycled(tonnes), Total Organics Disposed(tonnes)	This idea was considered as a potential action and was incorporated into the options analysis process.
1688	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	7 Goals and associated key metrics	3. No organics in garbage (like in Squamish)	This idea was considered as a potential action and was incorporated into the options analysis process.
1689	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	8 Goals and associated key metrics	4. Improved food security: Meals donated	This idea was considered as a potential action and was incorporated into the options analysis process.
1690	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	9 Goals and associated key metrics	5. High quality of finished compost: Contamination Rate(%)	This idea was considered as a potential action and was incorporated into the options analysis process.

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1691	21-Nov-24	Food Waste Working Group	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Food Waste Policies around the world	Benchmark with international jurisdictions: Extend the scope of the Performance Metrics Study by Stantec	This idea was considered as a potential action and was incorporated into the options analysis process.
1692	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Adopt the Zero Waste Hierarchy (https://www.zerowastebc.ca/wp-content/uploads/2022/09/ZWIA-Zero-Waste-Hierarchy-8.0-final.pdf) as the underpinning framework	This idea was considered as a potential action and was incorporated into the options analysis process.
1693	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Set waste reduction and collection targets including interim goals (report back to public on these regularly with communications campaigns)	This idea was considered as a potential action and was incorporated into the options analysis process.
1694	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Invest in zero waste actions with most of the savings from closing the incinerator (note concern was raised that the district energy system was locking Metro Vancouver into long term use of the incinerator and a question about the timing)	This idea was considered as a potential action and was incorporated into the options analysis process.
1695	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Use public procurement/METRO procurement to support ZW (for example. do not purchase problematic plastics; choose reuse, maintain, repair, quality) and encourage other organizations to do the same. Support the keen innovators that are delivering the services in the way that is the model. Use a tool to support end markets. Consider allying with others int eh public sector like post-secondary institutes.	This idea was considered as a potential action and was incorporated into the options analysis process.
1696	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Provide input to all feedback opportunities (EPR, BC, fed, etc.) and develop some clear ZW principles to guide this feedback.	This idea was considered as a potential action and was incorporated into the options analysis process.
1697	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Apply a higher standard to public entities in all aspects of Zero Waste initiatives. Trust needs to be earned in order to achieve Zero Waste. Consider transparent measures and metrics.	This idea was considered as a potential action and was incorporated into the options analysis process.
1698	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Push for a strong global plastics treaty and federal policy on waste; plus quick implementation of Zero Plastic Waste Strategy	This idea was considered as a potential action and was incorporated into the options analysis process.
1699	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support federal P2 notice for grocery stores and develop strategy to support it locally. Ensure monitoring and reporting back are parts of the system.	This idea was considered as a potential action and was incorporated into the options analysis process.
1700	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support federal and provincial tools that support the first 3 Rs of the ZW hierarchy and EPR	This idea was considered as a potential action and was incorporated into the options analysis process.
1701	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Work with the province to eliminate the need to have provincial approval on municipal bylaws relating to environmental protection (consider if there is no blanket allowance, work to have key sets of policy pre-approved the way SUP policy, empowering municipalities to pilot items, make a suite of options available that can be harmonized)	This idea was considered as a potential action and was incorporated into the options analysis process.
1702	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Look at what the next set of SUI bans should be -work with munis/prov/fed (e.g plastic teabags, cigarette butts, hotel amenities,etc.)	This idea was considered as a potential action and was incorporated into the options analysis process.
1703	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Push for better design for plastics used and eliminating use of unnecessary + problematic plastics and additives with Fed/Prov. Discourage use of biodegradable and compostable plastics	This idea was considered as a potential action and was incorporated into the options analysis process.
1704	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Push for right to repair, mandatory repair options for key items (ties into inclusive)	This idea was considered as a potential action and was incorporated into the options analysis process.
1705	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Work collectively with RDs/Prov/Fed on what changes are needed regarding policies that support wasting -liability (for reuse/repair) and insurance (requirements to throw away everything after a disaster)	This idea was considered as a potential action and was incorporated into the options analysis process.
1706	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Consider partnering with post-secondary institutes on what education and services can be offered (e.g. repair). Also advocating to ensure any barriers such as liability are addressed.	This idea was considered as a potential action and was incorporated into the options analysis process.
1707	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Continue to support active transport, public transport and shared transport over single occupancy vehicles (to decrease need for SOV). Also support shared options in high traffic areas.	Noted.
1708	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support packaging free items at farmers markets and elsewhere	This idea was considered as a potential action and was incorporated into the options analysis process.

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1709	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support reusable menstrual solutions instead of single use	This idea was considered as a potential action and was incorporated into the options analysis process.
1710	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Expand the roles of libraries or set up new ones for specific items. Develop model policy and practices for tool libraries, toy libraries, kitchen gadgets, etc. Support with communications. Do this in partnership with municipalities.	This idea was considered as a potential action and was incorporated into the options analysis process.
1711	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support neighbourhood sharing networks + supporting other sharing systems (Tool Library, Thingery) + strata sharing programs.	This idea was considered as a potential action and was incorporated into the options analysis process.
1712	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Consider partnering with post-secondary institutes to support sharing networks and also consider them as a source of sharing (space for community events for example)	This idea was considered as a potential action and was incorporated into the options analysis process.
1713	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Map out assets that can be shared -community reuse, repair and sharing (Squamish is working on it, Share Reuse Repair has some for the Lower Mainland and Portland, OR is a good example.)	This idea was considered as a potential action and was incorporated into the options analysis process.
1714	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Expand and make regular pilots like the Urban Repurpose resale store is allowed to do @ North Shore Transfer Station -"intercept" people throwing away usable items. Expand it to staff taking reusable items as another category as a permanent feature.	This idea was considered as a potential action and was incorporated into the options analysis process.
1715	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Encouraging reuse at universities, schools, hospitals, publicly funded organizations and other sectors. Work with education facilities to expand systems like UBC's mindful moveout (will need support, perhaps case study, funding, tool kit, coalition -group). Encourage healthcare to move to reusables, share info on progress and examples (for example glove use, exam table covers, reusable masks). Work with tourism sector to offer reusable bags, beverage containers, etc. in rooms and develop shared campaign for tourists to travel lighter (footprint); refillable amenities. Collaborate with public sector partners to determine and address barriers.	This idea was considered as a potential action and was incorporated into the options analysis process.
1716	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Encourage the use of reusable diapers (consider equity lens) long term	This idea was considered as a potential action and was incorporated into the options analysis process.
1717	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Develop and support a network for reuse of CRD materials (could include setting aside land); deconstruction principles, policies & programs, linked to C&D working group. Partner with others to develop a supply of reusable materials that can then lead to requirements in RFPs for a certain % use of materials.	This idea was considered as a potential action and was incorporated into the options analysis process.
1718	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Invest in reuse solutions and pilots (more drop off infrastructure, reuse first at regional facilities by providing separate areas for working/reusable items to be placed	This idea was considered as a potential action and was incorporated into the options analysis process.
1719	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support repair of items; more repair cafes, online connections to repair manuals, possible maker spaces for parts.	This idea was considered as a potential action and was incorporated into the options analysis process.
1720	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support maintenance of items	This idea was considered as a potential action and was incorporated into the options analysis process.
1721	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Address single use items systemically (not just to move from plastic)	This idea was considered as a potential action and was incorporated into the options analysis process.
1722	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Develop metro-wide connected reuse programs for foodservice/beverage takeout ware	This idea was considered as a potential action and was incorporated into the options analysis process.
1723	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Develop + support model bylaw to require reusables for dine in settings (Banff, Victoria -pending)	This idea was considered as a potential action and was incorporated into the options analysis process.
1724	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Require adequate dishwasher capacity for new foodservice permits (work with munis or develop model)	This idea was considered as a potential action and was incorporated into the options analysis process.
1725	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Consider a campaign to encourage enjoying the coffee or meal (dine in, not fast eating)	This idea was considered as a potential action and was incorporated into the options analysis process.
1726	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Develop standards for foodservice ware so can harmonize systems	This idea was considered as a potential action and was incorporated into the options analysis process.

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1727	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Explore ways to reduce single use items distributed through drive throughs	This idea was considered as a potential action and was incorporated into the options analysis process.
1728	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Developing systems to support reusables in cafeterias, food courts and catering	This idea was considered as a potential action and was incorporated into the options analysis process.
1729	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Continue and expand the Think Thrice Campaign/encourage circularity in clothing	This idea was considered as a potential action and was incorporated into the options analysis process.
1730	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support a textiles hub group to determine gaps and plan for collective actions	This idea was considered as a potential action and was incorporated into the options analysis process.
1731	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Provide MF settings comprehensive tools and support for implementing waste reduction and diversion	This idea was considered as a potential action and was incorporated into the options analysis process.
1732	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Consider educating the public on how to consume more wisely (chemicals to be concerned about, footprint of products, how to assess quality and what a lifetime cost may be, sharing consumer reports through libraries, etc	This idea was considered as a potential action and was incorporated into the options analysis process.
1733	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Work with RCBC to develop a comprehensive directory for where to borrow, share, rent rarely used items. Also repair options.	This idea was considered as a potential action and was incorporated into the options analysis process.
1734	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Map out what plastics reduction campaigns are needed	This idea was considered as a potential action and was incorporated into the options analysis process.
1735	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Campaign to reduce bottled water use -public fountains, not for sale in MV + muni facilities and those getting public funding, map where they are (ties to equity), provide water wagons at events. Look for partners (post-secondary is good sector to approach) -work has been done , see what gaps exist both in the programming and in the public's awareness of these options/campaigns (ties into inclusive)	This idea was considered as a potential action and was incorporated into the options analysis process.
1736	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Increase access to public zero waste education through outreach events similar to the City of Vancouver Zero Waste Days	This idea was considered as a potential action and was incorporated into the options analysis process.
1737	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Learning from partners experience	Noted.
1738	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Work to improve the quality of the EPR system-particularly with regard to using the ZW hierarchy to support redesign, reduction, reuse, repair, salvage for parts, longer lifespans and durability, better end fates for materials; etc.; fair compensation and paying full costs; accessibility; transparency (chain of custody, financial, contracting); communications. (Can include advocacy, waste composition data, bans, supporting the MOECCS staff, etc)(ties into inclusive)	This idea was considered as a potential action and was incorporated into the options analysis process.
1739	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Work to expand the range of EPR programs to include cigarettes/smoking devices, carpet, vehicles, textiles and all consumer products (can include advocacy, waste composition data, bans, supporting the MOECCS staff, etc)	This idea was considered as a potential action and was incorporated into the options analysis process.
1740	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Advocate for increased deposit rates for beverage containers until return rate is 99%, also ask province to ensure programs develop a reusables system (as is in Recycling Regulation)	This idea was considered as a potential action and was incorporated into the options analysis process.
1741	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Push for EPR programs to have ecomodulated fees (for textiles -factor in the challenges of recycling mixed materials, for plastics, factor in harms from plastics) (e.g. France)	This idea was considered as a potential action and was incorporated into the options analysis process.
1742	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Work to improve EPR programs with an equity lens (can people keep using the item they already have, will parts and repair be made available for free or at an affordable level, will reuse options support access to lower cost items, can people access recycling options (even without a vehicle), etc.)	This idea was considered as a potential action and was incorporated into the options analysis process.
1743	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Push for accountability for producers (e.g. Quebec has fines for non-collection)	This idea was considered as a potential action and was incorporated into the options analysis process.

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1744	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Ask for the additional supportive policies (as noted in the CCME Canada-wide Action Plan for EPR)	This idea was considered as a potential action and was incorporated into the options analysis process.
1745	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Consider an equity lens and environmental impact when advocating on EPR	This idea was considered as a potential action and was incorporated into the options analysis process.
1746	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Encourage requirements for zero waste plans as part of business licensing in member munis + provide support (can start sector by sector)	This idea was considered as a potential action and was incorporated into the options analysis process.
1747	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Increase PAYT and the cost differential + do not discount for larger volumes	This idea was considered as a potential action and was incorporated into the options analysis process.
1748	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Develop systems to provide feedback to generators (collectively as a community as well as to individual generators)	This idea was considered as a potential action and was incorporated into the options analysis process.
1749	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Use tipping fees as a tool so that poor sorters and high volume generators pay more.	This idea was considered as a potential action and was incorporated into the options analysis process.
1750	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Step up inspections and enforcement to all loads	This idea was considered as a potential action and was incorporated into the options analysis process.
1751	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Work collaboratively with haulers to gather better data and play a role in educating customers.	This idea was considered as a potential action and was incorporated into the options analysis process.
1752	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Consider accountability and transparency measures, both for Metro Vancouver and for customers of haulers who may not be getting the services they are paying for (noted example of recycling being mixed in with waste when taken away)	This idea was considered as a potential action and was incorporated into the options analysis process.
1753	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Report on full environmental and GHG footprint of waste (by type of disposal if possible)	Noted. Metro Vancouver is currently finalizing a Climate 2050 Solid Waste Primer.
1754	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support restrictions on plastic waste exports to countries that do not have proper recycling and disposal infrastructure to meet emerging international plastic recycling standards, nor equivalent health, safety and environmental standards	This idea was considered as a potential action and was incorporated into the options analysis process.
1755	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Waste composition studies -include the degree of reusability (note that there may be some option in plastics registry) +more data on reuse and repair overall + why + value	This idea was considered as a potential action and was incorporated into the options analysis process.
1756	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support better labelling so consumers know if it can be recycled	This idea was considered as a potential action and was incorporated into the options analysis process.
1757	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Accountability for all businesses; public sector should set a leading example	This idea was considered as a potential action and was incorporated into the options analysis process.
1758	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Eliminate hard to recycle plastics	This idea was considered as a potential action and was incorporated into the options analysis process.
1759	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Get commitments from member municipalities to roll out supportive bylaws and systems	This idea was considered as a potential action and was incorporated into the options analysis process.
1760	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support digital passports for materials	This idea was considered as a potential action and was incorporated into the options analysis process.
1761	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Do not support mixing materials (i.e putting plastic in cement) that makes it hard and unpredictable to recycle at the next round	This idea was considered as a potential action and was incorporated into the options analysis process.
1762	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Consider plastic leaking into liquid waste -education campaign, consider sources, encourage filters on washing machines, natural fibre use, glass use, etc. Partner with plastics, river, fish and ocean focused groups	Some of these concepts are incorporated into the liquid waste "Switch to Cold" campaign.
1763	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Educate and share information regarding the negative health and side effects from micro plastics, etc.	Metro Vancouver shares this information as part of the "Switch to Cold" campaign.

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1764	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Use the NZWC as a way to develop model policy and work federally/provincially to have them enacted (like ZW Europe does)	Noted.
1765	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Use NZWC and other avenues to build collective support for key goals and actions at provincial and federal levels	This idea was considered as a potential action and was incorporated into the options analysis process.
1766	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Use the ZW Conference as a way to workshop and build support for local solutions and ideas, creating task forces for key policies	This idea was considered as a potential action and was incorporated into the options analysis process.
1767	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Work to develop relationships with potential partners and develop teams and collaborations for projects as much as possible (for example, convene meetings of community, government and other partners to focus on textiles).	This idea was considered as a potential action and was incorporated into the options analysis process.
1768	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Collaboration can allow access to other funding opportunities plus social benefits	This idea was considered as a potential action and was incorporated into the options analysis process.
1769	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Invite partnership with local First Nations to learn from perspectives and ways of doing things that use less resources	This idea was considered as a potential action and was incorporated into the options analysis process.
1770	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Metro Van staff to participate in initiatives that support redesign/rethink, reduce and reuse	This idea was considered as a potential action and was incorporated into the options analysis process.
1771	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Partner with entrepreneur innovators to build the momentum and capacity	This idea was considered as a potential action and was incorporated into the options analysis process.
1772	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Have an ongoing PTAC to advise on implementation (continuity and public oversight)	Metro Vancouver will include a section in the updated solid waste management plan on plan monitoring.
1773	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Mandate streams for source separation collection for all MF + ICI settings	This idea was considered as a potential action and was incorporated into the options analysis process.
1774	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support a strong BC system for ICI PPP -including EPR (might be more finely tailored by sector according to the materials generated)	This idea was considered as a potential action and was incorporated into the options analysis process.
1775	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Supporting MF buildings to have strong sorting and collection systems (Strata organizations better recycling performance, good contracts for service of buildings + property management companies)-connecting people with the information	This idea was considered as a potential action and was incorporated into the options analysis process.
1776	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Work with munis and EPR programs to have multi-stream streetscape containers as the norm. Ensure Province is enforcing Recycling Regulation.	This idea was considered as a potential action and was incorporated into the options analysis process.
1777	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Advocate for home recycling for film plastics (plus Styrofoam and glass), and knowing about this project it can also touch on	This idea was considered as a potential action and was incorporated into the options analysis process.
1778	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Mandate multi-stream collection for all Construction,Reno,Demo settings (focus on the service providers rather than the project owners, can also be in RFP for services)	This idea was considered as a potential action and was incorporated into the options analysis process.
1779	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Provide ICI settings comprehensive tools and support/coaching for implementing waste reduction and diversion (e.g. Lethbridge, Squamish)	This idea was considered as a potential action and was incorporated into the options analysis process.
1780	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Recycling end market traceability for commercial sector recycling. Use smart trackers to ensure clarity on where discard streams go, share data to improve public confidence in system	This idea was considered as a potential action and was incorporated into the options analysis process.
1781	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Provide feedback to citizens/businesses on results to show transparency, foster trust, encourage action (high level data)	This idea was considered as a potential action and was incorporated into the options analysis process.
1782	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	SUI reduction/education for small ethnocultural businesses and suppliers of food service ware	This idea was considered as a potential action and was incorporated into the options analysis process.
1783	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Campaigns in key languages for region	This idea was considered as a potential action and was incorporated into the options analysis process.
1784	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Collaborate with diverse communities to support campaigns (meeting communities where they are)	This idea was considered as a potential action and was incorporated into the options analysis process.

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1785	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Encourage local circularity of plastic resins	This idea was considered as a potential action and was incorporated into the options analysis process.
1786	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Ensure large item-pick-up items collected are "graded" for reuse opportunities. Like by Urban Repurpose at their North Shore pick-up/free give-away days.	This idea was considered as a potential action and was incorporated into the options analysis process.
1787	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Support MV-wide civic litter pick up twice a year but gather and share data from it -like a brand audit.	This idea was considered as a potential action and was incorporated into the options analysis process.
1788	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Continue to waive disposal fees for community clean up materials (in partnership with members and groups) + develop a support program	This idea was considered as a potential action and was incorporated into the options analysis process.
1789	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Close the incinerator, focus on waste reduction instead, use the land to host a reuse facility for C&D	This idea was considered as a potential action and was incorporated into the options analysis process.
1790	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Enact a policy that does not support gasification, plasmification, pyrolysis, chemical recycling to fuel, cement kilns, and other destructive methods of handling waste. Ensure no Metro Vancouver waste goes to these facilities, and no funding support.	This idea was considered as a potential action and was incorporated into the options analysis process.
1791	21-Nov-24	Plastics Working Group Recommendations	PTAC (Metro Vancouver Public Technical Advisory Committee)	Public members-at-large	Recommendations and ideas?	Need a facility to process the auto shredder fluff to recycle more materials	This idea was considered as a potential action and was incorporated into the options analysis process.
1792	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	It would help if facilities weren't just in industrial areas - make facilities convenient and part of the community	This idea was considered as a potential action and was incorporated into the options analysis process.
1793	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Make facilities more transit friendly	This idea was considered as a potential action and was incorporated into the options analysis process.
1794	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Make repair cafes more accessible, allowing them to be put on at no cost or low cost	This idea was considered as a potential action and was incorporated into the options analysis process.
1795	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Provide more points of access for repair cafes in the community	This idea was considered as a potential action and was incorporated into the options analysis process.
1796	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Add more infrastructure like clothing donation bins, and consider utilizing municipal spaces to make them more accessible	This idea was considered as a potential action and was incorporated into the options analysis process.
1797	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Normalize repair cafes, clothing swaps etc. in the community	This idea was considered as a potential action and was incorporated into the options analysis process.
1798	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Support organizations like Binners' projects in more ways than just coffee cup revolution funding (e.g. Waste Control Services hires Binners' to help with waste audits)	This idea was considered as a potential action and was incorporated into the options analysis process.
1799	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Make sure Metro Vancouver's webpage is up to date with the latest accessibility standards	Noted.
1800	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Ensure facilities are wheelchair accessible	This idea was considered as a potential action and was incorporated into the options analysis process.

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1801	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Provide outreach and support with waste management to newcomers to Canada	This idea was considered as a potential action and was incorporated into the options analysis process.
1802	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Connect newcomers with sources of second-hand items to facilitate reuse	This idea was considered as a potential action and was incorporated into the options analysis process.
1803	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Some community facilities like bottle depots are not well maintained or welcoming	This idea was considered as a potential action and was incorporated into the options analysis process.
1804	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Incentivize large item pick up and other waste stream collection at multi-family buildings e.g. have a certain day of the month for electronics pick up	This idea was considered as a potential action and was incorporated into the options analysis process.
1805	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Increase convenience and accessibility by putting waste diversion options into the life of a person e.g. at school drop off	This idea was considered as a potential action and was incorporated into the options analysis process.
1806	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Ensure inclusivity addresses differing incomes	This idea was considered as a potential action and was incorporated into the options analysis process.
1807	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Acknowledge different perspectives and cultures e.g. reuse is already happening in the homes of many newcomers, it may just look different than what we typically envision	This idea was considered as a potential action and was incorporated into the options analysis process.
1808	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Expand our lexicon for sustainability e.g. a margarine or yogurt container is an example of a reusable takeout container	This idea was considered as a potential action and was incorporated into the options analysis process.
1809	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to expand inclusive programs and services?	Consider connecting with faith-based communities as another entry point for sustainability and waste management programs	Noted.
1810	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Video about nothing gets recycled, was very popular. Make more of those to promote confidence in recycling systems.	Metro Vancouver will consider the importance of promoting confidence in the recycling system when developing strategies and actions for an updated plan.
1811	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Promote sustainability —instagram reals - short form content	Several draft actions for the plan are related to communications and education tools.
1812	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Recycling education to the public at events such as the salmon system	This idea was considered as a potential action and was incorporated into the options analysis process.
1813	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Reaction to content where someone put a tracker on plastic and it went to landfill which started this huge rhetoric that is what happens	Metro Vancouver will consider the importance of promoting confidence in the recycling system when developing strategies and actions for an updated plan.
1814	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Need to address disinformation as well as informing people	This idea was considered as a potential action and was incorporated into the options analysis process.
1815	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	A lot of the sentiment about why people are apathetic to recycling is they are not confident they are going to recycling v the landfill	This idea was considered as a potential action and was incorporated into the options analysis process.

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1816	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Critically analyzing	This idea was considered as a potential action and was incorporated into the options analysis process.
1817	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Shipping garbage to other countries is something that comes up - BC doesn't do that	Metro Vancouver will consider the importance of promoting confidence in the recycling system when developing strategies and actions for an updated plan.
1818	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	A media push on myth busting for waste	This idea was considered as a potential action and was incorporated into the options analysis process.
1819	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	The data for the recycling report is quite buried - need to make it easier for people to find the data	This idea was considered as a potential action and was incorporated into the options analysis process.
1820	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Need to communicate the data more	This idea was considered as a potential action and was incorporated into the options analysis process.
1821	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Didn't know there was a hotline – need to advertise this	This idea was considered as a potential action and was incorporated into the options analysis process.
1822	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Physical advertisement at bus stops: lemon turns red - see your doctor if your pee is red is an example of a memorable advertisement	Several draft actions for the plan are related to communications and education tools.
1823	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Go to place where people are killing time on their phone. Taxi-cues, elevators, bus stop	This idea was considered as a potential action and was incorporated into the options analysis process.
1824	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Add what happens to material in the waste wizard	This idea was considered as a potential action and was incorporated into the options analysis process.
1825	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Environmental justice of a landfill – thinking of the environmental impacts every time something is thrown away	Environmental stewardship is included in the guiding principles for the updated plan.
1826	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Being part of an environmental club makes it easy to have confidence, but if you aren't part of those circles it can be hard to	This idea was considered as a potential action and was incorporated into the options analysis process.
1827	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	We are responsible together and showing the system creates a bit more understanding about where it goes and who is responsible	Several draft actions for the plan are related to communications and education tools.
1828	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Using non environmental language can help get more people interested in environmental issues	Several draft actions for the plan are related to communications and education tools.
1829	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Private sector doesn't have easy access to recycling options like in hospitals, schools and restaurants, they see high contamination so then they decide that it doesn't matter	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.

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1830	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Need resources at institutional levels to help with the commercial sector	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
1831	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	What is the point if only 6% actually gets recycled	Metro Vancouver will consider the importance of promoting confidence in the recycling system when developing strategies and actions for an updated plan.
1832	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	Need to better understand where things go and how the entire process works – the lifecycle of products	This idea was considered as a potential action and was incorporated into the options analysis process.
1833	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?	People are surprised about the recycling rates	Several draft actions for the plan are related to communications and education tools.
1834	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Restaurants (food waste): Is there enforcement/penalties or incentives for participation in organics separation (similar to grease down drain)?	Ideas for regulatory measures are included in strategies and actions that will be considered for the plan.
1835	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Medical facilities (hospitals) - outside of cafeterias/cafes there are no separation receptacles: Strict (independent) standards are in place because of hazards, including how many layers of garbage bag/how full they can be	Noted
1836	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Medical facilities: Designing items to be biodegradable instead of reusable might be an option	This idea was considered as a potential action and was incorporated into the options analysis process.
1837	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Schools: Everything going into one bin happens at schools also	Noted
1838	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Schools: Challenge is budget - for support to deliver waste education AND to do any post-sorting	Affordability is reflected in the guiding principles of the updated solid waste management plan.
1839	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Schools: Custodians do not have time and/or other resources (space, tools/bins/signage) to take waste sorting tasks on	Resources and educational tools will be considered as the draft strategies and actions are developed.
1840	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Schools have designed a lot of efficiencies for recycling, and have success, particular in elementary that is noticeable compared to other institutions (can be a model for other places, and/or can look at options to expand on these behaviours)	This idea was considered as a potential action and was incorporated into the options analysis process.
1841	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	It was noticed in post-secondary dorms (not necessarily elsewhere on campus) that there is a reduction in recycling rate, may be due to: -Body of students from outside Metro Vancouver (international) -The education piece is missing -Knowing that recycling is an option and a good thing to do -Understanding WHY recycling is important	Several draft actions for the plan are related to communications and education tools.
1842	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Efficiency and speed are the drivers (and the challenges) to participation	Convenience and consistency are incorporated in the vision and guiding principles.

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1843	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Multi-family building challenges: Garbage chutes could be a solution - make it easier for people to do their sorting (increase accessibility). Impacts of buildings that are multi-storey - chutes really help with that (removing burden of carrying recyclables up/downstairs etc.)	This idea was considered as a potential action and was incorporated into the options analysis process.
1844	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Communal sorting space - pros and cons of this: Individual bins may be more successful. Consider that there might be success by taking the conversation about generating solutions to each individual building (consult each building for what would be best FOR THEM – the building specs, the people in the building will have individual needs – thus empowering residents to create their best solution)	Actions related to recycling bins in multi-family buildings are included as actions that will be evaluated during the options analysis phase.
1845	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Multi-family building challenges: In-unit storage limits options for separation	Actions related to recycling bins in multi-family buildings are included as actions that will be evaluated during the options analysis phase. This includes actuions related to creating guidelines for space provision for recycling bins in multi-family buildings.
1846	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Multi-family building challenges: Time	Actions related to recycling bins in multi-family buildings are included as actions that will be evaluated during the options analysis phase.
1847	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Multi-family building challenges: Provide education for those approving design plans so that policy shifts to create increased ease of sorting	This idea was considered as a potential action and was incorporated into the options analysis process.
1848	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Multi-family building challenges: Cost of upgrades is prohibitive	This idea was considered as a potential action and was incorporated into the options analysis process.
1849	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Multi-family building challenges: Recycling requires a lot of space - strata rules for "crush items to take up less space", and strata will say no to the idea of paying for improvements that increase room for recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
1850	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Single-family: Cost of bins (why is there a cost for bins/bags, this will prohibit people from making the requests)	This idea was considered as a potential action and was incorporated into the options analysis process.
1851	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Organics: Provide education on "compostable plastic" is NOT compostable, we need to remove greenwashing that confuses consumers/restaurants, compostable utensils. And increase education on where to put these (e.g. in mixed recycling instead of composting). Provide education on what CAN go in the compost (paper)	This idea was considered as a potential action and was incorporated into the options analysis process.
1852	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Providing data transparency as scores for various municipalities (data on a more granular level) might help to define the challenges (and amplify the munis that are doing this well, including what's working) to help a resident understand how this impacts them (and the region)	This idea was considered as a potential action and was incorporated into the options analysis process.
1853	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Provide distributed education for strata councils & property managers that includes an incentive	This idea was considered as a potential action and was incorporated into the options analysis process.
1854	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Provide the good data and key messages to non-profit partners who are delivering community-level education (train the trainers model)	This idea was considered as a potential action and was incorporated into the options analysis process.

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1855	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs?**	Provide strong messages not only about "Metro Vancouver is so good at recycling" but go deeper to why/what areas, what happens after we provide something to recycling (clear up misconceptions about what goes where/whether it's recycled in BC or elsewhere)	This idea was considered as a potential action and was incorporated into the options analysis process.
1856	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	Other comments/ideas	Metro Vancouver should focus on the whole lifecycle of waste as it engages with the public - e.g. collaborate with companies who are working on reducing plastic, educating distributors, educating consumers	This idea was considered as a potential action and was incorporated into the options analysis process.
1857	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	Other comments/ideas	Greater education on end of life for items: reuse or adapt things to keep using items	This idea was considered as a potential action and was incorporated into the options analysis process.
1858	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	Other comments/ideas	Provide training on repair for residents (repair cafes as one idea)	Several draft actions for the plan are related to communications and education tools.
1859	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	Other comments/ideas	Individual/general public: Force choices for the public (e.g. whether you want a bag for takeout)	Some draft actions for the plan are related to single-use items.
1860	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	Other comments/ideas	New campaigns for higher-quality items	The draft waste hierarchy prioritizes waste prevention. In addition, several draft actions for theplan are related to communications and education.
1861	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	Other comments/ideas	Public/corporate sector: Share cost benefit analysis - increase companies like Reusables or mug-share but make the business case for greater uptake	Affordability is reflected in the guiding principles of the updated solid waste management plan. Additionally, draft actions include advocacy and the business case for reuse.
1862	21-Nov-24	In-person Workshop	Youth and Education Advisory Panel (YEAP)	Youth and Educators	Other comments/ideas	Alternatives to landfill ,e.g. WTE or connections to agriculture	Noted. Metro Vancouver currently utilizes several options for managing waste, including the Vancouver Landfill, Waste-to-Energy Facility, and disposal at remove landfills.
1863	22-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	Let's flip the script: What is working well in the current system that should not change? What should be expanded?	Deposit and paid return system is effective.	Noted.
1864	22-Nov-24	Email sumbission	PTAC Member	Public members-at-large		Appreciate the meeting today, informative and there are a lot of people are enthusiastic and committed in recycling and reducing waste. This is regarding Christina from Green-Stone Materials on the volume of concrete that is available to be recycled. Paul Henderson referred to a public document that is available (via website) on the volume of concrete that is available to be recycled and also said it has a 90% approx. recycling rate. I'm sure Paul is right and super happy about the highly successful recycling of concrete. Would you be able to point me to the link and page of that document Paul is referring to?	Please see below for the information in the 2022 Biennial Progress report. It is located in table 9 on page 19. https://metrovancouver.org/services/solid-waste/Documents/draft-iswrmp-biennial-report-2022.pdf

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1865	22-Nov-24	Email sumbission	PTAC Member	Public members-at-large		On page 19, table 9 shows that Concrete - 866,363 tonnes were recycled. I'm trying to find out how many tonnes were available to be recycled and the recycling rate. My other question is what methodology and the robustness of the calculation of the 866,363 tonnes. (If it's in the report, if you can provide me where it is.)	Thanks for your question. We can estimate the amount of concrete disposed using our latest construction and demolition waste composition study (from 2022). https://metrovancouver.org/services/solid-waste/Documents/construction-demolition-waste-composition-study-2022.pdf According to this study, an estimated 7,593 tonnes of concrete were disposed in 2022. If we use that number we get a recycling rate of 99% (866,363/(866,363+7,593)), out of 873,956 tonnes of concrete available. As for the calculation of the 866,363 tonnes, this is based on tonnages provided by concrete recyclers in the region. Every year, we contact our list of known concrete recyclers in the region and ask for their tonnages. As these facilities have no requirement to report to us, and there is no independent verification of the numbers they provide, this does introduce sources of error into this estimate. We provide a methodology section within the biennial report to explain these issues, as well as providing an estimate of the C&D sector recycling rate with and without including concrete.
1866	22-Nov-24	Email sumbission	PTAC Member	Public members-at-large		The attached report is very helpful in outlining the scope of the project and the methodology used which is very detailed. Agreed, since the recyclers have no obligation to report gives rise to potential mis-statement of the volumes and the recycling rate. As we move forward on Extended Producer Responsibility (EPR) we should continue to look at how we build robustness in the source of data either through third party verification, more sampling or regulatory framework for producers / waste collectors / recyclers to report. Thank you again for the detailed report and answering my initial question.	Several draft actions for the plan are related to improving data and reporting.
1867	23-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	Let's flip the script: What is working well in the current system that should not change? What should be expanded?	Accessible waste containers around public areas.	Noted. The guiding principles include accessibility principles.
1868	24-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	Let's flip the script: What is working well in the current system that should not change? What should be expanded?	Japan's waste sorting system was mentioned as a good model.	Noted. Metro Vancouver is including a jurisdictional scan as part of the process to review and update the solid waste management plan.
1869	25-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	Let's flip the script: What is working well in the current system that should not change? What should be expanded?	Simple scheduling for different waste pickups makes sorting easier.	Noted. The guiding principles emphasize convenience of the system as being important.
1870	26-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	Let's flip the script: What is working well in the current system that should not change? What should be expanded?	Incentive-based recycling programs work well for individuals (but not as well for businesses).	Noted.
1871	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are some potential barriers that you think exist in achieving accountability when it comes to eliminating waste?	Accountability often means additional labor: Tracking and recording waste quantities require extra effort.	Noted. During Options Analysis, Metro Vancouver will engage with the public on draft actions, including aking qustions about the potential unintended consequences and impacts of proposed actions.
1872	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are some potential barriers that you think exist in achieving accountability when it comes to eliminating waste?	New policies increase labor demands, which can be challenging for businesses.	This idea was considered as a potential action and was incorporated into the options analysis process.
1873	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are some potential barriers that you think exist in achieving accountability when it comes to eliminating waste?	Producer accountability is unclear: For grocery retailers, the responsibility typically shifts to the consumer once a product leaves the store.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1874	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are some potential barriers that you think exist in achieving accountability when it comes to eliminating waste?	Producers might only be held accountable if they participate in programs like Recycle BC.	Noted.
1875	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are some potential barriers that you think exist in achieving accountability when it comes to eliminating waste?	It is not just producer accountability, consumer awareness is lacking: Many customers don't understand that packaging and waste management decisions are often legislative requirements. Example: A customer berated a cashier over the inability to provide a plastic bag, unaware of the legal mandate.	Several draft actions for the plan are related to communications and education tools.
1876	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	From your perspective, what can be done to achieve accountability?	First, consumer awareness needs to improve: Consumers should understand legislative mandates and who is responsible for recycling.	Several draft actions for the plan are related to communications and education tools.
1877	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	From your perspective, what can be done to achieve accountability?	Clear communication about producers' obligations is necessary to reduce misunderstandings.	Several draft actions for the plan are related to communications and education tools.
1878	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What challenges have you faced as a retail store owner in implementing waste reduction policies?	Consumer challenges: Customers often misunderstand the reasons behind waste policies (e.g., plastic bag bans) and blame businesses instead of recognizing legislative requirements.	Several draft actions for the plan are related to communications and education tools.
1879	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What challenges have you faced as a retail store owner in implementing waste reduction policies?	Staff challenges: Training staff to follow contamination and organics rules was initially difficult, especially during the rollout phase.	Several draft actions for the plan are related to communications and education tools, including support for businesses.
1880	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What challenges have you faced as a retail store owner in implementing waste reduction policies?	Cost challenges: Switching to sustainable materials, such as fiber trays, significantly increases costs. Smaller businesses with tighter budgets may find it harder to adopt these practices without financial support.	This idea was considered as a potential action and was incorporated into the options analysis process.
1881	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What roles do businesses and other partners play in increasing participation to reduce contamination?	Provide clear and simple waste management guidelines for their staff.	This idea was considered as a potential action and was incorporated into the options analysis process.
1882	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What roles do businesses and other partners play in increasing participation to reduce contamination?	Collaborate with waste management providers to access contamination data and improve practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1883	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What roles do businesses and other partners play in increasing participation to reduce contamination?	Advocate for materials that help streamline waste sorting processes.	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
1884	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	How do you think Metro Vancouver can collaborate with businesses to advance participation in waste management?	Use a phased approach for policy changes to give businesses time to adapt.	The feedback that businesses appreciate a phased approach is noted. When Metro Vancouver introduced the organics disposal ban, a phased approach was used.
1885	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	How do you think Metro Vancouver can collaborate with businesses to advance participation in waste management?	Ensure consistent regulations across administrations to avoid confusion.	This idea was considered as a potential action and was incorporated into the options analysis process.
1886	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	How do you think Metro Vancouver can collaborate with businesses to advance participation in waste management?	Offer financial incentives, such as grants or tax breaks, to offset costs associated with sustainable practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
1887	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are the barriers in achieving consumer confidence in recycling and organics programs?	Consumer skepticism: People doubt whether recycling is effective and whether claims about "sustainable" products are truthful (e.g., plant-based bottles).	This idea was considered as a potential action and was incorporated into the options analysis process.
1888	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are the barriers in achieving consumer confidence in recycling and organics programs?	There's a lack of transparency about where recycled materials go and how they are processed.	This idea was considered as a potential action and was incorporated into the options analysis process.
1889	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are the barriers in achieving consumer confidence in recycling and organics programs?	Public education: Standards and transparency around "recycled" or "sustainable" labels could help rebuild trust.	This idea was considered as a potential action and was incorporated into the options analysis process.
1890	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are the barriers in achieving consumer confidence in recycling and organics programs?	Highlighting tangible recycling successes can counter negative perceptions.	This idea was considered as a potential action and was incorporated into the options analysis process.
1891	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What can Metro Vancouver do to increase public confidence in recycling?	Promote clear and transparent standards for what qualifies as "recycled" or "sustainable."	This idea was considered as a potential action and was incorporated into the options analysis process.

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1892	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What can Metro Vancouver do to increase public confidence in recycling?	Engage youth through educational programs to build a culture of recycling early on.	This idea was considered as a potential action and was incorporated into the options analysis process.
1893	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What can Metro Vancouver do to increase public confidence in recycling?	Share success stories and statistics to demonstrate the impact and benefits of recycling programs.	Noted. Metro Vancouver has previously used case studies as part of a suite of education and communication tools. Several draft actions in the plan are related to education and communications.
1894	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What types of information would help businesses and staff help build confidence in recycling systems?	Clear, easy-to-read guidelines: Printable materials that can be displayed in workspaces for staff and customers.	Several draft actions for the plan are related to communications and education tools.
1895	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What types of information would help businesses and staff help build confidence in recycling systems?	Provide explanations for why specific waste management practices are required.	This idea was considered as a potential action and was incorporated into the options analysis process.
1896	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What types of information would help businesses and staff help build confidence in recycling systems?	Visual aids: Use signage and diagrams to make waste sorting simpler and more intuitive.	Several draft actions for the plan are related to communications and education tools. "Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
1897	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	Are there any aspects of the current system that you think are working well or shouldn't be changed?	Mandatory recycling and organics programs are effective because they enforce compliance.	This idea was considered as a potential action and was incorporated into the options analysis process.
1898	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	Are there any aspects of the current system that you think are working well or shouldn't be changed?	Businesses often innovate when required to adapt, as necessity drives resourcefulness.	Noted.
1899	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are some ways to engage residents and the general public about changes to waste management processes or guidelines?	Public campaigns should focus on simplicity and clarity: If processes are easy to follow, residents are more likely to participate.	This idea was considered as a potential action and was incorporated into the options analysis process.
1900	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are some ways to engage residents and the general public about changes to waste management processes or guidelines?	Overcoming general apathy is challenging due to the overwhelming amount of information people receive daily.	Several draft actions for the plan are related to communications and education tools.
1901	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	What are some ways to engage residents and the general public about changes to waste management processes or guidelines?	Focus on education: Target youth education in schools to instill recycling habits early.	Several draft actions for the plan are related to communications and education tools.
1902	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	Other thoughts/ideas	Financial considerations for sustainable choices: Transitioning to alternatives like fiber trays is expensive and may require tax incentives or grants to support businesses. Smaller businesses may find it especially difficult to make these investments.	Affordability is reflected in the guiding principles for the updated solid wste management plan
1903	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	Other thoughts/ideas	Transparency and confidence in waste management: Clear standards for recycled materials and consistent messaging are key to rebuilding public trust.	"Transparency about what happens to garbage and recycling" is one of the guiding principles of the updated solid waste management plan.
1904	27-Nov-24	Interview Notes	Anthony Sullivan	Retail Store Owner	Other thoughts/ideas	Businesses shouldn't have to police consumer behavior (e.g., plastic bags); regulations should make such decisions non-negotiable to avoid conflict.	Several draft actions for the updated plan contemplate introducing or advocating for new regulations.
1905	27-Nov-24	Engagement summary notes	BC Hotel Association (BCHA)	Hospitality industry professionals		Event summary: BCHA President & CEO presented on current work the association is doing. Included five slides on Waste Management and the project outline (built from the toolkit) and included two of the questions from survey, done in real time on Slido followed by discussion and Q&A if applicable. Audience included General Managers of Hotels from across Metro Van - members of the Hotel Association of Vancouver. All members (including those unable to attend in person) received the slide deck for review following presentation. *Note that many hoteliers also operate F&B operations within their properties. Small informational presentation to Board of Directors (5 in Metro Van) on the efforts and hopeful outcomes of the survey.	Noted.
1906	27-Nov-24	Engagement summary notes	BC Hotel Association (BCHA)	Hospitality industry professionals		The discussion following the presentation were around emphasizing the top choices in the slido poll. Difficulty in managing as there are many moving pieces to hotel operations. Cost effective solutions and incentives for participating in sustainable, recyclying and waste management solutions. Streamlining initiatives as to not add to operational stresses were some points outlined in why it may be difficult to manage for most.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1907	27-Nov-24	Engagement summary notes	BC Hotel Association (BCHA)	Hospitality industry professionals		Our goals were to reach our hotel members and tourism and hospitality industry within Metro Van while also garnering feedback from partners we often work closely with each day. Through feedback received with our survey and our slido questions, we aimed to acquire tangilble data to present on the impression of current waste management efforts as well as suggestions for ways it can work better for our industry. In addition, we looked to use social media, newsletters, and in person meetings, to outline the goals of Metro Van Waste Management with this project, creating awareness.	This idea was considered as a potential action and was incorporated into the options analysis process.
1908	27-Nov-24	Engagement summary notes	BC Hotel Association (BCHA)	Hospitality industry professionals		This time of year our industry receives a large amount of communications about ongoing initiatives, not only from BCHA but other partners organizations. This adds a hurdle to having accommodators spend any amount of time to complete surveys. By presenting a couple of the questions in real time to the Hotel Association of Vancouver, we were able to have a larger amount of participation providing feedback. We also leveraged our partners (listed below) to include the information in their newsletters and social, but we are unable to know how often they included it or their reach.	Several draft actions for the plan are related to communications and education tools.
1909	27-Nov-24	Focus Group Notes	Ocean Wise	Public members-at-large	Let's flip the script: What is working well in the current system that should not change? What should be expanded?	Curbside pickup is effective and should be maintained.	Noted.
1910	27-Nov-24	SWANA Conference Day - Spin the Wheel feedback	Solid Waste Association of North America	Solid Waste and Recycling Industry	Ideas	Work with current companies that breakdown plastic bottles through enzymes and make them back into raw materials to be used again as now bottles (Polytide).	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is one of the guiding principles of the updated solid waste management plan.
1911	27-Nov-24	SWANA Conference Day - Spin the Wheel feedback	Solid Waste Association of North America	Solid Waste and Recycling Industry	Ideas	Put levies and payments onto items to make it harder for people to dispose and have greater penalties	Several draft actions for the updated plan contemplate introducing or advocating for new regulations.
1912	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Uses H&M take-back program	Noted.
1913	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Recycling fibre from garments would be the best	Noted.
1914	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Reuse products	Noted.
1915	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Reduce consumption and reuse the fabric	Noted.
1916	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Likes seeing repeating outfits as a trend - promotes this outlook	Noted.
1917	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Print and embroidery shop: a. Can't afford to not pay attention to your waste, it's expensive - more waste = not efficient working and wasting money b. Being proactive with laser cutting and other processes to be efficient reduces waste and increases productivity c. Have to buy extra material in case of slips d. Try to make sure when you order materials not overbuying in excess e. Also benefits them by not having to store more if there is less space f. Keep inventory lean	Noted.
1918	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Focus on repairing garments	Noted.
1919	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Teaching sewing to adults - encourage using recycled material	Noted.
1920	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Community art projects encouraging recycled materials, especially textiles	Noted.
1921	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Fabric cycling working with Our Social Fabric (non-profit fabric store selling donated headstock fabric and fibre arts supplies online and in-person)	Noted.
1922	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	What happens to clothes when returned for incentives?	Noted.

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1923	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Allow students to learn with materials that can't be recycled	Noted.
1924	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Will share extra materials with local groups and high schools	Noted.
1925	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Teaching zero-waste pattern-making	Noted.
1926	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Consuming less or higher quality goods	Noted.
1927	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	TRANSPARENCY in companies is important	Noted.
1928	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Awl Together Leather coming at it from 3 perspectives a. Using OFS services b. Leather goods: shoe repair/bag repair c. Diverting leather offcuts from textile and couch factories	Noted.
1929	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Leader in textile engineering: a. Any companies or factories if they have excess what are the specs? GSM? b. Proper labelling for reuse/resell c. Most companies keep it confidential, need for TRANSPARENCY d. In garment factories cut pieces should be segregated by fabric type so that startup companies can more easily recycle cut pieces e. IP becomes problematic if kept confidential - not fully transparent f. Specifically donated items will not have the specs so you have to kind of guess fabric content	Noted.
1930	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Using materials that are mixed makes it difficult to recycle, education around what things are good to wear and purchase and how cheap materials can make it hard to recycle.	Noted.
1931	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Accessing thrift stores to upcycle, buying with intent, Share defective materials extra fabrics, plastic with other companies for recycling. Donating things to shelters. Making connections is important.	Noted.
1932	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Charge deposit for the container for delivering clothing or textiles, customers can keep the container or return for money back.	Noted.
1933	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Charge a fee for the cost of recycling fabric, like we do with bottles/cans	Noted.
1934	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Teach mindfulness around fabric waste	Noted.
1935	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	More sustainability programming in industrial design and fashion design schools.	Noted.
1936	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Wear it until it wears it out. Then repair it, show repair too. This will normalize the idea.	Noted.
1937	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Mend repair items is important.	Noted.
1938	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Events around zero waste, reverse engineer for sustainability, fun to do sustainability from the point of pattern making, re-engineering fabrics from scraps with felting machine	Noted.
1939	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Expensive to mend and recycle	Noted.
1940	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Quality is essential	Noted.
1941	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Excess of other materials beside natural fabrics, makes it very hard to recycle.	Noted.
1942	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	If people spend money on items they are more inclined to fix.	Noted.
1943	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Quality is a sustainable choice but it's a privilege to be able to afford these items.	Noted.
1944	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Attitude of fashion as waste, this needs to change	Noted.
1945	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Garment repair, no matter the initial cost of the item, is possible.	Noted.
1946	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Sorting: knits from wovens, synthetic from natural, making big shifts in sorting initially.	Noted.
1947	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	What is being shopped for, colours etc, keeping like with like	Noted.
1948	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Reweaving and repurposing	Noted.

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1949	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Pale coloured items can be redyed and reused	Noted.
1950	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Salvage (zippers buttons etc) used in art projects and recreation	Noted.
1951	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	From a manufacturer for small brands - preorders often go unpurchased finally in the end. training customers to commit etc. more on demand, teach to understand that time will be taken.	Noted.
1952	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Educate and retrain on “buy less and wait for key pieces”, as well as there is inherit value in the pieces and that if the pieces are cared for they can be resold	Noted.
1953	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Sorting scraps is difficult - ease of access to recycling as well as faster recycling	Noted.
1954	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Sorting hubs that are accessible, sliding scale for payment vs free, ways of people accessing materials	This idea was considered as a potential action and was incorporated into the options analysis process.
1955	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Plastic packaging, single use single pieces(one by one individually plastic wrapped) using one plastic bag per carton as opposed to 50 individual bags for smaller products.	Noted.
1956	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the main actions you take to eliminate waste?	Agriculture is not touched on enough when we are talking about this issue of recycling textiles	This idea was considered as a potential action and was incorporated into the options analysis process.
1957	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Avoid landfill, embed info in the fabric to help separation for recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
1958	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Collaborate with researchers, academia and industry for projects, ideally with government funding.	This idea was considered as a potential action and was incorporated into the options analysis process.
1959	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Need to work together.	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
1960	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Greater access to who is doing what, share knowledge and people with particular skill set, database of resources and people resources	This idea was considered as a potential action and was incorporated into the options analysis process.
1961	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Reworking garments for creative advertising options	This idea was considered as a potential action and was incorporated into the options analysis process.
1962	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Ads about where to recycle clothes	This idea was considered as a potential action and was incorporated into the options analysis process.
1963	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Forums are a great way to build connections.	This idea was considered as a potential action and was incorporated into the options analysis process.
1964	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Marketing, promotions and social media, brand ambassadors around fabric waste	This idea was considered as a potential action and was incorporated into the options analysis process.
1965	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Educate people around fabric recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
1966	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Theme nights, parties around clothing, volunteering, bring people together/ offices/ friends to thrift and sort clothes.	Noted.
1967	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Integrate building developers for workshop spaces so customers and the industry can sell or exchange excess fabric for example or do mending.	This idea was considered as a potential action and was incorporated into the options analysis process.

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1968	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Teaching, educating around textile waste, making sure new systems are shared so teachers and the public are up to date	This idea was considered as a potential action and was incorporated into the options analysis process.
1969	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Fabric content knowledge is important	This idea was considered as a potential action and was incorporated into the options analysis process.
1970	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Crowd-sourcing sorting	This idea was considered as a potential action and was incorporated into the options analysis process.
1971	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Building with waste products, getting the waste from fashion connected with artists or organizations that can use them.	This idea was considered as a potential action and was incorporated into the options analysis process.
1972	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Find green repair shops easily- across elements of the apparel industry like film	This idea was considered as a potential action and was incorporated into the options analysis process.
1973	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration	Clothing pick up app, distribution network for items no longer needed/liked	Several draft actions are related to reducing textiles waste.
1974	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	More shared spaces, more communication about where we can use spaces for swaps, in particular for industry swaps, use up each others overages	Several draft actions address reuse.
1975	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Promoting brand events about excess fabric and get rid of dead stock	The waste hierarchy emphasizes waste prevention as a priority.
1976	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Corporate sectors use their systems, what exists that can be repurposed. The uniform waste stream could be a story as companies take the leftover uniforms from one another and need to explain why their uniforms look a particular way	Noted.
1977	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Keeping products in life cycle is essential	"Enable circular systems that preserve resources" is the first of the draft goals of the updated solid waste management plan.
1978	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	An attitude change is needed, we need to look at reducing, not just recycling. There is too much stuff in the world, we need to find other ways to heal beside retail therapy.	The draft waste hierarchy prioritizes waste prevention first.
1979	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Collaborating with industry is important, you need to really understand the pain points to find the solution, so need to really speak to the industry. Advocate for collaboration, why do people need to buy in.	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
1980	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Need to build community so we know each other so we can have those conversations	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
1981	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Using platforms that everyone uses is a good way to share and build community. Not just a newsletter	This idea was considered as a potential action and was incorporated into the options analysis process.
1982	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Reach out to everyone, and advance whatever stakeholders are working on.	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
1983	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Physical space, supported rents.	Draft actions for the plan include ideas for increasing space available for reuse activities.

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1984	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Daylighting the work people are doing, fibre shed maps as an example, this creates the network and shares the exact details of what people do in their work.	This idea was considered as a potential action and was incorporated into the options analysis process.
1985	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Don't get hung up on industrial standards, this is something regular people can do, they can easily repurpose. Tend to what we are wearing and creating.	"Keep materials in use as long as possible" is one of the draft goals of the updated plan. This includes increasing sharing/donation, repairing/refurbishing, and repurposing products and materials.
1986	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Government website are archaic	Several draft actions for the plan are related to communications and education tools.
1987	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Cross-sectional map so people can get connected.	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
1988	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Trying to do what's right with little time to focus on this. We need someone who has this as their job to help maintain this.	Noted.
1989	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Connection is imperative when people have ideas and don't know where to go.	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
1990	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Connecting waste t-shirts to people doing upholstery (piping on furniture). How do you even make this connection for people?	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
1991	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Engage the whole family, it's fun.	This idea was considered as a potential action and was incorporated into the options analysis process.
1992	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Cross connections of industries is crucial.	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
1993	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration?	Agriculture needs to be connected back to textiles.	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
1994	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	An app that everyone can be a part of - find a recycling company.. facilitator noted waste wizard later on	Several draft actions for the plan are related to communications and education tools. Currently Metro Vancouver maintains a website that allows residents to search where to bring their recycling. Metro Vancouver is continually enhancing the tool
1995	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Centralizing information	Several draft actions for the plan are related to communications and education tools.
1996	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Resource for available services	This idea was considered as a potential action and was incorporated into the options analysis process.
1997	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Closed off information "gatekeeping" services Owners are so busy no time to look deeply into resources so it falls to the wayside and if sustainable options are available they should be listed somewhere	This idea was considered as a potential action and was incorporated into the options analysis process.
1998	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Reason for the slow growth of industry and sustainability is because of lack of sharing resources	This idea was considered as a potential action and was incorporated into the options analysis process.

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1999	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Metro van has a search engine for recycling facilities - maybe not everyone is aware - build it up and SCALE it up and include more reverse logistics a. Do it for the scale of manufacturers b. Scale up and include more c. Making it EASY	This idea was considered as a potential action and was incorporated into the options analysis process.
2000	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Infrastructure needs to be built in closer areas that you can go to and take EVERYTHING - close proximity community hubs where you can bring EVERYTHING and they transit it out to the appropriate facilities	This idea was considered as a potential action and was incorporated into the options analysis process.
2001	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	TEXTILE WASTE BIN - accessibility to have something at factories, houses, apartments a. Been piloted in other regions b. Business in vancouver that operated bins for clothing REVIVIFY c. Scraps can cause issues in machines without proper filters - could be a barrier	Several draft actions are related to reducing textiles waste.
2002	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	"Textile hub" as grounding place - commissary studios a. Needs to have access to equipment and skill holders b. San Francisco had an artist in residence at the dump - pay to elevate the quality of the garbage and can create things out of what is coming in c. Weaving with recycled materials d. Making rope is simple with scrap fabric	This idea was considered as a potential action and was incorporated into the options analysis process.
2003	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Work with brands here if someone is disposing of a particular product - circulate it through their online products	"Keep materials in use as long as possible" is one of the draft goals of the updated plan. This includes increasing sharing/donation, repairing/refurbishing, and repurposing products and materials.
2004	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Feel H&M program is greenwashing - not confident on what happens to product	"Transparency about what happens to garbage and recycling" is one of the guiding principles of the updated solid waste management plan.
2005	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Brands responsibility to bring the garment back from the consumer - not the other way around- Consumers should not have to pay to send back products to brands for recycling/reuse/repair should be covered	This idea was considered as a potential action and was incorporated into the options analysis process.
2006	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Awareness of what exists - as a consumer would love to do the right thing but don't know exactly what is available	This idea was considered as a potential action and was incorporated into the options analysis process.
2007	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Part of access is knowledge	This idea was considered as a potential action and was incorporated into the options analysis process.
2008	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Meeting with home ec teachers telling them that food and fabric the forefront of waste issues in Vancouver - BRING THEM ON BOARD to give students knowledge of value of garments and food	Noted.
2009	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Building the skill - in a "skill shed" skilled labor on machines or hand	Noted.
2010	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Weave it into the waste that is being produced and create new opportunities for people to express themselves	Noted.
2011	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Skill and knowledge	Noted.
2012	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region?	Why are brands holding information so close to home?	Several draft actions are related to reducing textiles waste.

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2013	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	H&M takeback: encourages more consumption and what happens to it?	Several draft actions are related to reducing textiles waste.
2014	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Mixed, unlabeled fabrics and garments with liners are an issue for recycling	Several draft actions are related to reducing textiles waste.
2015	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	New York based company offers send back and repair to create circular garment a. Overconsumption potential is still there b. How sustainable is the send-back?	Several draft actions are related to reducing textiles waste.
2016	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Where does self mending comes into play	"Keep materials in use as long as possible" is one of the draft goals of the updated plan. This includes increasing sharing/donation, repairing/refurbishing, and repurposing products and materials.
2017	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Every brand has profit in mind	Noted. Affordability is a key aspect of the guiding principles, and several draft actions incorporate working with and supporting businesses.
2018	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Durable goods is positive step but not solution	This idea was considered as a potential action and was incorporated into the options analysis process.
2019	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Education piece - looking at all 4. Only person not responsible is the individual themselves	This idea was considered as a potential action and was incorporated into the options analysis process.
2020	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Education is huge	Several draft actions for the plan are related to communications and education tools.
2021	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Libraries - wouldn't it be great to have repair kits available - thought this is scratching the surface of problem	"Keep materials in use as long as possible" is one of the draft goals of the updated plan. This includes increasing sharing/donation, repairing/refurbishing, and repurposing products and materials. Some draft actions include using library spaces for reuse.
2022	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Government policies that BAN "crappy" fast fashion	"Minimize waste generation" is one of the draft goals of the updated solid waste management plan. This includes preventing waste and using less.
2023	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Government policy that takes responsibility	Several draft regulations point to potential policies and regulations that could help our region reduce waste.
2024	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Businesses are the ones doing the customer education	This idea was considered as a potential action and was incorporated into the options analysis process.
2025	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	People doing the recycling and repair know the most about it	This idea was considered as a potential action and was incorporated into the options analysis process.
2026	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	City of Vancouver did repair campaign telling people what to do - but misinformation made it obsolete a. blundstone example: can't be re-soled but were in campaign stating the could be b. NEED TO BE SENDING CORRECT INFORMATION	This idea was considered as a potential action and was incorporated into the options analysis process.
2027	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Take-back programs with certain compositions - a. for uniforms specifically b. try to get involved and educate the government c. Holland Heineken example: take back bins for company shirts - all the same colour/fabric can be reused	Several draft actions are related to reducing textiles waste.

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2028	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Retailers should act like auto retailers that service products they sell a. re-bird arc'teryx example b. Should also supply spare parts for products c. Vega is also doing that d. Putting REPAIR on BRANDS e. Who is paying? f. First one free repeats?	"Keep materials in use as long as possible" is one of the draft goals of the updated plan. This includes increasing sharing/donation, repairing/refurbishing, and repurposing products and materials.
2029	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Fabcycle free bags of scraps example a. App to centralize fabric waste as a resource	"Keep materials in use as long as possible" is one of the draft goals of the updated plan. This includes increasing sharing/donation, repairing/refurbishing, and repurposing products and materials.
2030	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Accessibility to "waste" but something that would be valuable to other community accessible network	Noted.
2031	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Brand made $800,000 mistake all almost went in the trash because they went over - but with intervention, something was done	Noted.
2032	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Need to open conversations that are not blaming but view as exchange/value experience	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
2033	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Sense of shame around mistakes causing waste	Noted.
2034	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Share with students	Noted.
2035	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Quick turnaround timelines create issues, especially with shame aspect	Noted.
2036	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Businesses especially SMALL should not be responsible - Government policy is the more efficient - consumer responsibility as well	Noted.
2037	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Taxed for waste	In our region, waste generators contribute to the cost of managing waste.
2038	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	What is the role of metro Vancouver? We have no fiber reclamation - would be huge some sort of textile recycling infrastructure and when it's built how do we get it there	Metro Vancouver encourages textile waste reduction, provides opportunities to donate textiles at recycling and waste centres, and reports on reuse and recycling of textiles. Metro Vancouver also licenses but does not own or operate recycling processing facilities.
2039	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	How sustainable is sending back product with transportation emissions?	Metro Vancouver will consider the impact of each option according to several factors, including potential transportation emissions, when developing strategies and actions for an updated plan.
2040	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	What is the cost of repair? Free? Fee after one repair?	Affordability is a key aspect of the guiding principles.
2041	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Each company should be aware of tracking their own sustainable practices	Noted.

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2042	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	More channels for final user, more awareness of where to throw away as a company	Several draft actions for the plan are related to communications and education tools.
2043	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Promoting better treatment of waste, e.g so it doesn't get dirty or infected	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2044	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Monitoring channels - how can we turn waste into money, because that will lead to circularity - Taking waste, turning it back into something	"Enable circular systems that preserve resources" is the first of the draft goals of the updated solid waste management plan.
2045	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	textiles to textile recycling, challenges - keeping things clean, sorting, greenhouse gases from sending to sort for cheaper labour but emissions	The solid waste management plan will consider actions to minimize greenhouse gas emissions.
2046	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Collecting, deconstructing	This idea was considered as a potential action and was incorporated into the options analysis process.
2047	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Engagement with designers and manufacturers around labelling - make sure ppl are communicating what they are working with - communication between manufacturer and end user so end user knows how to dispose of piece	This idea was considered as a potential action and was incorporated into the options analysis process.
2048	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Cobbler - no programs for shoe recycling at all - cobbling is the only recycling shoe program.	This idea was considered as a potential action and was incorporated into the options analysis process.
2049	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Country has no program to incentivize cobblers and the industry is aging out	Noted. The regional solid waste system is an integrated system including both public and private entities that play important roles in providing service to residents and businesses.
2050	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Need more recognition for cobblers.	This idea was considered as a potential action and was incorporated into the options analysis process.
2051	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Curbside textiles pickup - make it easy for consumer	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2052	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Local textiles facilities so sorting and shredding is done on shore	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2053	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Tax on companies based on size of company to pay for the textiles services	Noted.
2054	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Must be different from can recycling because materials are so mixed and different	Noted.

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2055	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Centered system of dealing with it (hub)	Decentralized sytems have been identified as potential action the solidw aste management plan.
2056	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Partnering with local companies to help with downcycling for mixed blends etc.	This idea was considered as a potential action and was incorporated into the options analysis process.
2057	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Government support for education system etc to bring the cost of this down.	This idea was considered as a potential action and was incorporated into the options analysis process.
2058	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Wool packaging, bio plastic packaging - changing what we use for packaging	Noted. Metro Vancouver does not have jurisdiction over the manufacture of goods. However, the converation on packaging reduction is taking place at the national level through initiatives such as the National Zero Waste Council.
2059	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Annual garment collecting campaign, a city sponsored campaign around collecting garments like a specific month - use a truck	This idea was considered as a potential action and was incorporated into the options analysis process.
2060	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Free clothing swaps, city sponsored or city organized.	Noted.
2061	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Tsawwassen puts out everything on the street for free, but water hurts textiles, it is hard.	Noted.
2062	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Taking out a shirt from the library	Noted.
2063	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	OSF and Fabcycle, good education around the fact	Noted.
2064	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	waste is bad, good attitude but people are not aware of what to do with the waste	Several draft actions related to communications and education tools.
2065	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	Small community initiatives - repair, workshops,	Several draft actions related to communications and education tools.
2066	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	mending and teaching on a local community level	Several draft actions related to communications and education tools.
2067	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	Fancycle, OSF, zero waste centres, returnit had a brief stint in fabrics as well	Noted.
2068	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	small businesses starting these conversations, as well as events like this	Collaboration is a key aspect in the guiding principles for the updated solid waste management plan.
2069	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	Fabcycle debrand, surrey people wouldn't know where to take things. local van ppl know, but the everyday consumer is not aware.	Several draft actions related to communications and education tools, including raising awareness of existing programs and services.

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2070	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	If it isn't easy for people to do, they won't	Convenience is a key aspect of the guiding principles for the updated solid waste management plan.
2071	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	Thrifting is good - but there should be people in between the thrift and the consumer. vancouver thrift will have better stuff than somewhere like richmond	Noted.
2072	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	household recycling vs manufacturer	Noted.
2073	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	fabcycled picked up truckloads which is great but it builds because people don't know what to do with their waste	Several draft actions related to communications and education tools, including raising awareness of existing programs and services.
2074	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	Truck that park in specific spots once a month every 6 months etc	Thank you for providing your comment.
2075	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is going well in this area should be expanded on?	Households need it to be done so the city or someone is profiting from it so it stays accessible and sustainable	Noted.
2076	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is working well in recycling in general?	Giving money for cans, people take it back. Its the money of it all	Noted. Some draft actions explore incentives to encourage waste reduction and recycling.
2077	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is working well in recycling in general?	collection infrastructure is straightforward, easy, people know how to use it	Convenience is a key aspect of the guiding principles for the updated solid waste management plan.
2078	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is working well in recycling in general?	People are not aware of what happens once garments are delivered	"Transparency about what happens to garbage and recycling" is one of the guiding principles of the updated solid waste management plan.
2079	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public	What is working well in recycling in general?	Composting has been successful in implementation. fine if recycling is not done	Noted.
2080	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Question: The city ran a pilot project for a year and then stopped. why did they stop? (returnit depot dropoffs) Discussion: - a lot of clothing was contaminated. - someone died in a big brother bin. - a challenge with unmonitored public drop offs is that things can get contaminated often	Thank you for sharing this information.
2081	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Transparency is essential to what is in the fabric and where textile waste goes.	"Transparency about what happens to garbage and recycling" is one of the guiding principles of the updated solid waste management plan.
2082	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Brands need take back, repair services,	"Keep materials in use as long as possible" is one of the draft goals for the updated plan. This includes repair.
2083	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		More policy from government	This idea was considered as a potential action and was incorporated into the options analysis process.
2084	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Education is essential- how to part of the transition, consumers (enlarging life of clothing)	Several draft actions incorporate education and communication tools.
2085	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Shared spaces to bring communities together - physical and digital spaces, both industry and customers brought together (B2B, B2C)	Noted.
2086	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Driving awareness through communication and marketing to consumer	Several draft actions incorporate education and communication tools.
2087	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Training stakeholders in your own ecosystem (plastic packaging for example)	This idea was considered as a potential action and was incorporated into the options analysis process.
2088	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		End-of-life considerations at the design level	This idea was considered as a potential action and was incorporated into the options analysis process.
2089	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Curbside textile pickup, make it easy to recycle	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2090	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		More clothing swaps, more free stores	This idea was considered as a potential action and was incorporated into the options analysis process.
2091	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Learning from other industries	Collaboration is one of the guiding principles of the updated solid waste management plan.

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2092	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Monetize waste	This idea was considered as a potential action and was incorporated into the options analysis process.
2093	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		There is a market for textile recycling	Metro Vancouver will consider existing textile markets when considering strategies and actions for the updated plan.
2094	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Question: What are some underutilized services and ways of textile recycling? Discussion: work with companies of all sizes, as well as private schools etc. best way for industry stakeholders to explore is to reflect on what processes are available now - sorting thru, end of life systems - and how can they activate these current solutions within your network. Share the knowledge. Also debrand/OSF: the more we know how many mfg's and companies need systems, the more demand and reason to implement there will be	Metro Vancouver will consider different services and methods of recycling textiles when developing strategies and actions for the updated plan.
2095	28-Nov-24	Focus Group Notes	BC Apparel & Gear Association	Apparel and gear professionals and Public		Speaking with people with textiles waste, if she cannot handle the waste she is happy to refer to her network. The community is small, people know each other. the most underutilized resource is the networking aspect. we know each other and we should be speaking on these things and sharing the knowledge and resources with each other.	Metro Vancouver will consider existing players in the textiles industry when developing strategies and actions for an updated plan.
2096	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	55 and older with limited information	Metro Vancouver will consider this audience when implementing programs and services
2097	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	People with young families, older people, anyone with social/physical limitations that might find it difficult to learn	Metro Vancouver will consider this audience when implementing programs and services
2098	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	people located away from urbanized areas ex. low income areas	Metro Vancouver will consider this audience when implementing programs and services
2099	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	people who live in apartments/suburbs, families with full-time working parents, people living unhoused or in poverty	Metro Vancouver will consider this audience when implementing programs and services
2100	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	Those living far from visible recycling sites, newcomers to the region	Metro Vancouver will consider this audience when implementing programs and services
2101	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	People with lower financial mobility - this is probably not a priority for their day to day lives	Metro Vancouver will consider this audience when implementing programs and services
2102	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	Sure its accessible, but getting people to recycle they think they are doing good, but generally recycling is only a little better than throwing in a landfill. Sometimes, it takes more energy to recycle and is worse for the environment. They need incentives to Reduce, then Reuse. That is what you should be concentrating on. Yes glass, paper. great to recycle. But plastic, that is pretty pointless to recycle.	Several draft actions for the plan include the concept of incentives.
2103	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	If you don't have a vehicle, it can be very tricky to get to the transfer station, or Zero Waste Centre, within their open hours, to recycle clothing/textile waste.	Metro Vancouver will consider this audience when implementing programs and services
2104	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	Newcomer/immigrant communities, low-income communities	This idea was considered as a potential action and was incorporated into the options analysis process.
2105	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Which community members do you think may be having a difficult time with the current programs and services?	I live in the DTES and see first hand the difficulty some folks struggling with mental illness, homelessness, and addiction have with managing waste and recycling. I have also had several neighbors that move from other cities that don't participate in recycling	This idea was considered as a potential action and was incorporated into the options analysis process.

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2106	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	More information and easing of awareness and accessibility	Several draft actions for the plan include the concept of providing more accessible information to increase awareness
2107	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	Overall, access is great but vast majority of people will only participate in what's easy for them. eg. textiles not collected by building a lot of people won't go out of their way to find recycling centers. so more access for ALL recyclables.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
2108	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	being accessible everywhere	This idea was considered as a potential action and was incorporated into the options analysis process.
2109	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	I live in a house so though I can do curbside for most recycling, clothing is more difficult because there aren't many places that I can donate or recycle around me, also my items just end up in a bin by the door or in the back of my car waiting to be donated or... so: more access, transparency, process locally (no shipping)	This idea was considered as a potential action and was incorporated into the options analysis process.
2110	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	Improving visibility of sites & expanding into new neighborhoods, improving educations & awareness campaigns	Metro Vancouver will consider improvements to visibility of sites, accessibility, education and awareness when developing strategies and actions for an updated plan.
2111	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	Small incentives to recycle / up-cycle	Several draft actions for the plan include the concept of waste reduction incentives.
2112	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	Have more programs on Reducing and Reusing.	This idea was considered as a potential action and was incorporated into the options analysis process.
2113	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	Having clear answers on what will be accepted for recycling.	This idea was considered as a potential action and was incorporated into the options analysis process.
2114	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	Perhaps introduce partner businesses who don't mind being a drop off point for textile waste, such as the pilot program with Return-It (which we loved). More neighborhood bins that are emptied by the city and are there all the time, rather than as an event. More clear information shared with communities on how they can recycle textiles.	Several draft actions for the plan include the concepts of collaboration and increasing accessibility.
2115	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	More recycling centres easy to get to, more recycling bins out.	This idea was considered as a potential action and was incorporated into the options analysis process.
2116	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	Make it easier to recycle	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.
2117	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What can be done to make the programs and services more inclusive so that they work for everyone?	We absolutely need more waste bins in the DTES! It would be even better if we could have recycling bins alongside waste bins. It's probably not a priority for service workers on the DTES to educate community members about recycling but I do think more education is also necessary. Perhaps this could be done through infographics.	Streetscape waste receptacles are outside of Metro Vancouver's juridiction, however Metro Vancouver and members explored actions regarding how to achieve consistent streetscape recycling during the development of draft strategies and actions for an updated plan.
2118	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	There is so much waste from Textile manufacutring that is just going in the landfill. Whats crazy, is that it is so easy to collect that clean material as there are only a few places in a concentrated area.	Several draft actions for the plan target textile waste.
2119	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	Recycling textiles into new products locally	This idea was considered as a potential action and was incorporated into the options analysis process.
2120	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	Make it affordable to do so. Without hiking up property taxes.	This idea was considered as a potential action and was incorporated into the options analysis process.
2121	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	I think we should be holding clothing brands more accountable for the clothing they produce. More brands should have programs that take damaged or unwanted clothing items back without charge. This could be achieved through policy changes on imported clothing which would likely require collaborating with government.	"Accountability from residents, businesses and governments to prevent waste" is one of the guiding principles of the updated solid waste management plan.

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2122	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	Providing textile recycling services that are easy to use for all residents	This idea was considered as a potential action and was incorporated into the options analysis process.
2123	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	Enhancing education programs and campaigns	Several draft actions for the plan consider enhancing education programs and campaigns.
2124	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	Collaborating with governments and manufacturers to reduce packaging	Several draft actions for the plan include the concept of collaborative initiatives to reduce waste.
2125	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	Delivering regional textile and production waste services in a cost effective way	This idea was considered as a potential action and was incorporated into the options analysis process.
2126	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	Using new technology and other forms of innovation to improve industry waste management	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is one of the guiding principles of the updated solid waste management plan.
2127	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector?	Developing new facilities or drop-off points for recycling, reusables, and waste	This idea was considered as a potential action and was incorporated into the options analysis process.
2128	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	Impact on thrift stores and secondhand stores to have to sort through all that gets donated	This idea was considered as a potential action and was incorporated into the options analysis process.
2129	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	Local clothing companies can be incentivized to use less packaging & more sustainable materials	This idea was considered as a potential action and was incorporated into the options analysis process.
2130	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	Yes! Metro Vancouver needs to ban textile production waste from landfill garbage bins. Get a collection service for these companies to recycle. Its clean pure fabric so you don't have to sort or remove buttons, zippers etc from old clothes. Such low hanging fruit. Our company actually collects and saves all of our waste from production and we just sent 15,000 pounds by rail to a company in the USA to recycle and turn back into material that we will get back to make more clothes from. Simply Merino	This feedback will be considered in developing a regulatory strategy for the updated plan.
2131	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	Make recyclable items more readily available.	Some of the draft actions for the plan include the concept of advocating for more recycled content in products.
2132	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What types of textile recycling programs would be most beneficial for you or your involvement in the fashion and apparel community?	Fiber-to-fiber recycling	Many draft actions in the plan consider different methods of textile waste reduction.
2133	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What types of textile recycling programs would be most beneficial for you or your involvement in the fashion and apparel community?	Collection programs for post-production textile waste	Many draft actions in the plan consider different methods of textile waste reduction.
2134	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What types of textile recycling programs would be most beneficial for you or your involvement in the fashion and apparel community?	Support for upcycling initiatives using textile waste from BC brands	Many draft actions in the plan consider different methods of textile waste reduction.
2135	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What types of textile recycling programs would be most beneficial for you or your involvement in the fashion and apparel community?	Reprocessing of production waste (e.g., dyes, chemicals)	Industrial waste such as dyes and chemicals are outside of the scope of the solid waste management plan.

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2136	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the biggest challenges you face in reducing textile waste and adopting sustainable practices, whether as a business, student, or individual?	Lack of recycling infrastructure	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.
2137	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the biggest challenges you face in reducing textile waste and adopting sustainable practices, whether as a business, student, or individual?	Limited knowledge on recycling options	Several draft actions for the plan include the concept of increasing awareness of recycling options.
2138	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	What are the biggest challenges you face in reducing textile waste and adopting sustainable practices, whether as a business, student, or individual?	High costs of sustainable materials	Metro Vancouver will consider cost barriers such as the high cost of sustainable materials when developing strategies and actions for an updated plan.
2139	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Sustainable fashion influencers or social media	Metro Vancouver will consider this feedback when implementing the plan.
2140	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Brand websites or newsletters	Metro Vancouver will consider this feedback when implementing the plan.
2141	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Word of mouth or professional network	Metro Vancouver will consider this feedback when implementing the plan.
2142	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Sustainability-focused organizations or coalitions	Metro Vancouver will consider this feedback when implementing the plan.
2143	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Government reports	Metro Vancouver will consider this feedback when implementing the plan.
2144	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Its acutally really hard. Lots of talk, but no results. We really had to look hard to find our recycler and we had found one in canada, but we were too small for them	Metro Vancouver will consider this feedback when implementing the plan.
2145	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Industry news websites and blogs	Metro Vancouver will consider this feedback when implementing the plan.
2146	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Conferences and trade shows	Metro Vancouver will consider this feedback when implementing the plan.
2147	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Webinars and online courses	Metro Vancouver will consider this feedback when implementing the plan.
2148	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Podcasts or YouTube channels	This idea was considered as a potential action and was incorporated into the options analysis process.
2149	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Where do you currently get information about sustainable fashion and textile recycling?	Academic research or journals	This idea was considered as a potential action and was incorporated into the options analysis process.
2150	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver and the BC Apparel and Gear Association better support the fashion community in adopting sustainable practices?	Promoting lower consumption and holding brands accountable for their products, post consumer	This idea was considered as a potential action and was incorporated into the options analysis process.
2151	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver and the BC Apparel and Gear Association better support the fashion community in adopting sustainable practices?	Make ethical brands affordable	This idea was considered as a potential action and was incorporated into the options analysis process.
2152	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver and the BC Apparel and Gear Association better support the fashion community in adopting sustainable practices?	Continue to raise up and support brands that offer repair services. The fact that the question about our "role in the fashion and apparel community" doesn't have an option for repair businesses!	This idea was considered as a potential action and was incorporated into the options analysis process.
2153	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	How can Metro Vancouver and the BC Apparel and Gear Association better support the fashion community in adopting sustainable practices?	Ban textile production waste in landfill.	This feedback will be considered in developing a regulatory strategy for the updated plan.

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2154	28-Nov-24	Questionnaire open-end responses	BC Apparel & Gear Association	Apparel and gear professionals and Public	Please feel free to provide any additional feedback on the idea generation phase to inform a set of potential actions and strategies and priority goals for Metro Vancouver's solid waste management plan update.	I'd really like to see a common space facilitated by Metro Vancouver where industry professionals can gather more regularly to share ideas and collaborate	This idea was considered as a potential action and was incorporated into the options analysis process.
2155	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	The personal hospitality sector faces challenges with food waste, especially in conferences and events where food minimums can structurally lead to waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
2156	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Engaging with stakeholders through initiatives like the Circular Food Innovation Lab can create collaboration opportunities.	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is one of the guiding principles of the updated solid waste management plan.
2157	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Exploring how waste can be someone else's value through collaborations between businesses, suppliers, and organizations.	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is one of the guiding principles of the updated solid waste management plan.
2158	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Outdoor Shakespeare festivals generate large amounts of organic waste, but some items labelled as organic don't meet Vancouver's composting standards.	Metro Vancouver provides resources on what should be kept out of the green bin here: https://metrovancouver.org/foodscraps/plastics-in-green-bin
2159	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Reusable measures like wine cups have prevented waste but are costly.	Metro Vancouver will consider this feedback when implementing the plan.
2160	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Making sustainable projects affordable for businesses is a key barrier.	Metro Vancouver will consider this feedback when implementing the plan.
2161	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Conference attendees bring habits from their home regions, leading to improper disposal of recyclable materials.	Metro Vancouver will consider this feedback when implementing the plan.
2162	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	There's often a lack of access to proper recycling facilities for visitors.	Metro Vancouver will consider this feedback when implementing the plan.
2163	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Event planners could reduce waste with more digital signage and fewer printed materials. For example, switching from printed banners to digital screens has reduced waste.	Metro Vancouver will consider this feedback when implementing the plan.
2164	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Performing arts organizations have reduced waste by going largely paperless, but single-page cast sheets are still in demand.	Metro Vancouver will consider this feedback when implementing the plan.
2165	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Reusable wine glasses are used, but coffee cups are not. Cost remains a significant issue.	Metro Vancouver will consider this feedback when implementing the plan.
2166	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Sorting non-recyclable materials like batteries is impractical for many organizations due to accessibility challenges.	Metro Vancouver will consider this feedback when implementing the plan.
2167	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Large outdoor events like the Celebration of Light create significant waste that is challenging to process, especially PLA compostable cups that lack proper facilities.	Metro Vancouver will consider this feedback when implementing the plan.
2168	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Signage at outdoor events often requires materials that are harder to recycle.	Metro Vancouver will consider this feedback when implementing the plan.

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2169	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Costs and lack of incentives for sustainable practices are major barriers.	Metro Vancouver will consider this feedback when implementing the plan.
2170	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Cruise ships generate significant waste managed by third-party providers, limiting direct influence over waste practices.	Metro Vancouver will consider this feedback when implementing the plan.
2171	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Onsite waste sorting is effective but costly, with 900,000 kilos sorted and sent to various facilities. Smaller organizations may not have the resources for this.	Metro Vancouver will consider this feedback when implementing the plan.
2172	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Structural issues in the waste management industry, including resistance from powerful stakeholders, hinder new initiatives.	Metro Vancouver will consider this feedback when implementing the plan.
2173	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Efforts to create renewable natural gas facilities faced opposition from existing waste management contractors.	This idea was considered as a potential action and was incorporated into the options analysis process.
2174	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Regarding waste prevention, packaging is clearly one of the main contributors to waste, especially in waste bins available in public spaces. I have done a study where plastics and single food items were the most common categories present in the garbage bins.	Several draft actions for the plan include the concept of preventing packaging waste.
2175	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Colleting data on the source of waste and being able to pinpoint the geographical origin of the waste generated would allow municipal governments to have campaigns targeted at specific neighbourhoods promoting better recycling habits.	This idea was considered as a potential action and was incorporated into the options analysis process.
2176	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	Agreed on both packaging, as well as the cost of recyclable signage products and their availability at local print shops (vs coroplast/foamboard / vinyl banners / outdoor banner signage).	Metro Vancouver will consider this feedback when implementing the plan.
2177	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What do you see as the primary challenges or barriers in addressing rethinking and preventing waste in the first place?	One weird left-field waste issue that has come up with questions to our visitor servicing team. The disposal of bear spray canisters. Many visitors - go into parks and wilderness and purchase bear spray canisters. Disposal of these canisters is considered a regulated hazardous material and so is challenging. Many leave them behind in hotels or other places. They are unused and usually have 2-3 years left before they are expired. **We've thought there might be an opportunity to create a re-use or rental program to reduce the number that need to be purchased.**	This idea was considered as a potential action and was incorporated into the options analysis process.
2178	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Innovation and technology are crucial but often not prioritized due to profitability concerns.	This idea was considered as a potential action and was incorporated into the options analysis process.
2179	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	On an international scale, raising the profile of cities like Vancouver and challenging processes of large entities is essential.	This idea was considered as a potential action and was incorporated into the options analysis process.
2180	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Organizations should align waste prevention with their purpose but need support and resources to address pain points effectively.	This idea was considered as a potential action and was incorporated into the options analysis process.
2181	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Financial support and access to unified collection systems for recycling are needed.	This idea was considered as a potential action and was incorporated into the options analysis process.
2182	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	The recycling of materials like fabrics and display packaging requires better infrastructure and accessibility.	Several draft actions for the plan include the concept of improving recycling infrastructure.
2183	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Sharing best practices and ideas across industries can inspire improvements.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2184	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Building a sustainability-focused culture within organizations is crucial.	This idea was considered as a potential action and was incorporated into the options analysis process.
2185	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Resources and subsidies for small organizations and non-profits would make sustainable practices more attainable.	This idea was considered as a potential action and was incorporated into the options analysis process.
2186	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Keeping recycling plants accessible within city limits would reduce transportation burdens.	This idea was considered as a potential action and was incorporated into the options analysis process.
2187	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Small and medium-sized businesses need systematic support to address capacity constraints.	This idea was considered as a potential action and was incorporated into the options analysis process.
2188	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Structural issues in waste management and recycling economics need addressing. Examples include ensuring recycled plastics' prices are competitive with raw materials.	"Rethink" is part of the highest level of the waste hierarchy for the updated solid waste management plan.
2189	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Also want to add - more pressure on supply vendors at the large scale (i.e., Amazon, Staples) to use easily recyclable packaging products, or support for smaller vendors such as Eddie's Hang Up that may have less control over their packaging.	This idea was considered as a potential action and was incorporated into the options analysis process.
2190	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	What roles do businesses, the waste management industry, non-profits, and community organizations play in rethinking and preventing waste?	Simple answer to a complex question. Organizations as well as individuals should be equally responsible but the benefits and incentives to properly manage waste might not be obvious to all. Cost and time might be a constraint explaining poor recycling habits from organizations or individuals.	This idea was considered as a potential action and was incorporated into the options analysis process.
2191	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Higher-level government engagement is needed to push through logical but blocked agendas.	This idea was considered as a potential action and was incorporated into the options analysis process.
2192	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Keeping waste prevention at the forefront of international standards.	This idea was considered as a potential action and was incorporated into the options analysis process.
2193	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Identifying and addressing gaps in accessibility to recycling facilities and services is key.	This idea was considered as a potential action and was incorporated into the options analysis process.
2194	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Transportation and disposal costs need facilitation for small and medium-sized businesses.	Many of the draft action options for the updated solid waste management plan consider the concept of making waste management easier for businesses.
2195	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Product responsibility should shift upstream to reduce consumer decision burdens.	This idea was considered as a potential action and was incorporated into the options analysis process.
2196	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Incentivizing sustainable practices and making them affordable is essential.	This idea was considered as a potential action and was incorporated into the options analysis process.
2197	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Supporting emerging service providers and mandating reduced use of unsustainable materials could drive change.	This idea was considered as a potential action and was incorporated into the options analysis process.
2198	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Promoting and protecting organizations that provide recycling solutions like ShareWares is crucial. Ensuring such resources are visible and supported by the city.	This idea was considered as a potential action and was incorporated into the options analysis process.
2199	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Recycling programs should prioritize economic viability and reverse logistics. Lessons from successful programs, like plastics recycling, should be applied to other waste streams.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2200	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Ensuring recycled materials remain competitively priced against raw materials can incentivize adoption.	This idea was considered as a potential action and was incorporated into the options analysis process.
2201	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Unifying systems for the collection and recycling of varied materials would simplify processes for users.	This idea was considered as a potential action and was incorporated into the options analysis process.
2202	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	Expanding access to recycling services for diverse waste types (e.g., electronics, fabrics, batteries) is necessary.	This idea was considered as a potential action and was incorporated into the options analysis process.
2203	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	In my experience, Metro Vancouver has been the level of government which has been the most open in discussing with companies like mine that are looking at using innovative ways to understand why and where waste is originated. **Allowing innovating companies big or small in the conversation is the way to move forward.**	This idea was considered as a potential action and was incorporated into the options analysis process.
2204	28-Nov-24	Focus Group Notes	Destination Vancouver Membership	Tourism and hospitality	How could Metro Vancouver collaborate more effectively to advance rethinking and preventing waste?	One other thing I forgot to mention is supporting labour that is provided by organizations in our streets to help clean the recycling stream such as the Binners project, United we can etc...	This idea was considered as a potential action and was incorporated into the options analysis process.
2205	28-Nov-24	Focus Group Notes	Ocean Wise	NGO/non-profit and environmental stewardship groups	What types of information would be most helpful for you in furthering your understanding of waste reduction?	Campaigns and signs in parks about waste disposal.	Metro Vancouver will consider this feedback when implementing the plan.
2206	29-Nov-24	Focus Group Notes	Ocean Wise	NGO/non-profit and environmental stewardship groups	What types of information would be most helpful for you in furthering your understanding of waste reduction?	Guidelines for party waste disposal—expectations for after-party cleanups.	Metro Vancouver will consider this feedback when implementing the plan.
2207	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	How could confidence in the recycling system be improved?	Show examples of how recycling is being done and why it is not higher than 75%	This idea was considered as a potential action and was incorporated into the options analysis process.
2208	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	How could confidence in the recycling system be improved?	Knowing where the various materials go after they are collected or dropped off at facilities	"Transparency about what happens to garbage and recycling" is one of the guiding principles of the updated solid waste management plan.
2209	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	How could confidence in the recycling system be improved?	TV advertising showing lifecycle of our recyclables	"Transparency about what happens to garbage and recycling" is one of the guiding principles of the updated solid waste management plan.
2210	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	How could confidence in the recycling system be improved?	Share stats via marketing channels	Metro Vancouver will consider this feedback when implementing the plan.
2211	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	How could confidence in the recycling system be improved?	Public Education	Metro Vancouver will consider this feedback when implementing the plan.
2212	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	How could confidence in the recycling system be improved?	If commercial and institutional recyclables were brought in under the Recycling Reg and managed by Recycle BC	This idea was considered as a potential action and was incorporated into the options analysis process.
2213	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	How could confidence in the recycling system be improved?	More promotion/education on the matter	Several draft actions for the plan include the concept of promotion and education.
2214	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	How could confidence in the recycling system be improved?	Equip Return-It Centres with educational materials to engage and inform the public effectively. Foster greater transparency across all levels of the recycling process, including depots, Producer Responsibility Organizations (PROs), and the Extended Producer Responsibility (EPR) system. Advocate for recycling to become a federal responsibility, ensuring a unified and robust approach to waste management nationwide	Several draft actions for the plan include the concepts of greater transparency, advocacy, and consistency
2215	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	Lack of bins for recycling or donating a multitude of items like clothing and household items in residential buildings	Metro Vancouver will consider this feedback when implementing the plan.
2216	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	In our apartment building the space is not welcoming and it's not fun to navigate the small (and sometimes unsafe) room in the parkade to separate materials, etc. Many people want to get in and out quickly and that could mean more is ending up in the garbage. Signage could be more clear as well	Metro Vancouver will consider this feedback when implementing the plan.
2217	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	Effort to bring EPR materials (or flex plastic, styrofoam) to a depot	Metro Vancouver will consider this feedback when implementing the plan.
2218	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	Lack of information at recycling sites for people to follow	Metro Vancouver will consider this feedback when implementing the plan.
2219	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	Incentives, lack of awareness	Metro Vancouver will consider this feedback when implementing the plan.

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2220	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	It starts at the top... The government must take a more active role in governing the Extended Producer Responsibility (EPR) system. Proper regulation is essential to ensure all levels of the system operate in harmony, creating a fair and equitable framework. Producer Responsible Organizations (PROs) must be held accountable to the public, as they manage funds collected through deposit and recycling management fees. Greater transparency, enhanced public education, and fair remuneration for all stakeholders should be priorities	Several draft actions for the plan include the concepts of greater transparency and improved public education.
2221	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	Return-It depots, excluding consolidators, have faced rising costs and systemic neglect for decades. These hardworking business owners, who interact directly with the public, play a critical role in the success of the recycling network. Their influence and dedication deserve recognition and fair treatment	Metro Vancouver will consider this feedback when implementing the plan.
2222	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	It is time to shed light on the state of recycling, modernize the EPR system, and position it for lasting success. By addressing inefficiencies and bringing the system into the present day, we can create a robust and effective framework that benefits everyone involved	Metro Vancouver will consider this feedback when implementing the plan.
2223	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	People who live in residential buildings as trend is not to own a car any longer	Metro Vancouver will consider this audience when implementing programs and services
2224	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	Multi family buildings, homeless, uninformed	Metro Vancouver will consider this audience when implementing programs and services
2225	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	Anyone with a language barrier or people that aren't as mobile (e.g. don't have a vehicle, so seniors)	Metro Vancouver will consider this audience when implementing programs and services
2226	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	Those without vehicles	Metro Vancouver will consider this audience when implementing programs and services
2227	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	Newcomers to Canada	Metro Vancouver will consider this audience when implementing programs and services
2228	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	Multifamily residents, seniors, recent immigrants	Metro Vancouver will consider this audience when implementing programs and services
2229	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	Seniors, citizens with ESL, people with disabilities	This idea was considered as a potential action and was incorporated into the options analysis process.
2230	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	Residents in Multi-Unit Dwellings, Lower-Income and Less-Educated Households, Small Businesses, Elderly Population	This idea was considered as a potential action and was incorporated into the options analysis process.
2231	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Provide convenient recycling and donation program in residential buildings	Several draft actions for the plan include the concept of improving recycling in multi-family buildings.
2232	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Better education and promotion of the benefits of reduction and recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
2233	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Consistency - similar programs across the region, accessible by everyone, in various languages	"A solid waste and recycling system that is affordable, convenient, and consistent across the region." is one of the guiding principles of the updated solid waste management plan.
2234	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Collection of EPR materials in more locations, Bulky Item collection at all MFs in all municipalities	Metro Vancouver will consider bulky item collection and improved EPR when developing strategies and actions for an updated plan.

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2235	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Better information at the site	Several draft actions for the plan include the concept of improving access to information
2236	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Include various segments of the population in planning programs	Metro Vancouver aims to reach out to a broad audience when conducting engagement, including underrepresented or equity denied communities.
2237	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Go to the depots... They are in direct contact with their communities. They have good knowledge of what the public is complaining about	This idea was considered as a potential action and was incorporated into the options analysis process.
2238	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional priorities suggested by respondents:	Enhancing reuse and recycling opportunities at businesses and multi-family properties; more and more people do not have cars and use car-sharing programs therefore it is expensive for them to go to Metro Van recycling centers - multi-family properties program needs to include bins for clothing and small household items. Many local charities provide pickup services for these items free of charge	Several draft actions for the plan include the concept of improving reuse and recycling at businesses and multi-family residences.
2239	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional priorities suggested by respondents:	Providing Services - need access to better bins at curbside (light items blowing away)	Metro Vancouver will consider this feedback when implementing the plan.
2240	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional priorities suggested by respondents:	Most people want to reduce waste or do the right thing but might lack awareness or understanding of best practices. The cost of living is high too, so finding a balance between providing great services and lessening the tax burden. Would like to see Metro Vancouver undertake an overall efficiency review to determine if there are potential cost savings in programs, staffing and services	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
2241	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional priorities suggested by respondents:	Enhancing reuse and recycling opportunities	Reuse and Recycle are part of the draft hierarchy for an updated solid waste management plan.
2242	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional priorities suggested by respondents:	Opportunities to divert at MF/ICI properties - no accountability and just dumped in garbage - no one wants to bring food waste or recycling to garbage room	Several draft actions for the plan include the concept of improving diversion opportunities at multi-family and commercial properties.
2243	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional priorities suggested by respondents:	Enhancing a reuse program because reusing is the best form of recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
2244	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional priorities suggested by respondents:	New facilities - we are in the textile circularity business	This idea was considered as a potential action and was incorporated into the options analysis process.
2245	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional priorities suggested by respondents:	Reduce packaging at the source - manufacturers should be forced to use recyclable and reusable packaging. Planned obsolescence should be eradicated	"Minimize waste generation" is one of the draft goals of the updated solid waste management plan.
2246	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional Suggestions for Metro Vancouver's Solid Waste Management Plan	Working with Stratas to expand number of materials that are collected in the recycling rooms to prevent them from entering the landfill stream	Several draft actions for the plan include the concept of improving diversion opportunities at multi-family and commercial properties.
2247	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional Suggestions for Metro Vancouver's Solid Waste Management Plan	Cleanups of waterfront	Several draft actions for the plan include the concept of supporting community waste reduction initiatives.
2248	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional Suggestions for Metro Vancouver's Solid Waste Management Plan	Focus is always on residents, but businesses and the construction industry are big generators. Focus on reducing waste in these areas as well (look at the low hanging fruit, e.g. wood waste)	This idea was considered as a potential action and was incorporated into the options analysis process.
2249	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional Suggestions for Metro Vancouver's Solid Waste Management Plan	Supporting nonprofits in the community because they are the only mechanism to direct materials back to the community	This idea was considered as a potential action and was incorporated into the options analysis process.
2250	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Further Ideas Provided by Respondents	Use free services that local charities provide to collect multitude of items that are currently going into garbage	Several draft actions for the plan include the concept of collaborating with non-profits.
2251	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Further Ideas Provided by Respondents	Enforce penalties for non-compliance	This feedback will be considered in developing a regulatory strategy for the updated plan.
2252	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Further Ideas Provided by Respondents	Focus more on reusing of materials and less on recycling	The draft waste hierarchy prioritizes reuse over recycling.
2253	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Further Ideas Provided by Respondents	More awareness/education campaigns on the matter	This idea was considered as a potential action and was incorporated into the options analysis process.
2254	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Further Ideas Provided by Respondents	A fully established depot system is already in place, presenting an opportunity for more effective utilization. These depots are deeply connected to the communities they serve, making them ideal for expanding services. By creating additional programs and empowering depots to facilitate them, we can enhance their role and better address community needs	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.

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2255	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional actions provided by respondents	Buy food at zero-packaging stores or from minimal-packaging bulk food sources	Metro Vancouver will consider how to make it easier for residents to make zero waste choices when developing strategies and actions for an updated plan.
2256	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional actions provided by respondents	Mindful of purchasing items in recyclable containers	Metro Vancouver will consider how to make it easier for residents to make zero waste choices when developing strategies and actions for an updated plan.
2257	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional actions provided by respondents	Buy higher quality goods so they don't break or wear out as quickly	Metro Vancouver will consider how to make it easier for residents to make zero waste choices when developing strategies and actions for an updated plan.
2258	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Additional actions provided by respondents	Try to buy less and keep the items that I already own	Metro Vancouver will consider how to make it easier for residents to make zero waste choices when developing strategies and actions for an updated plan.
2259	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Are there any items collected for recycling that you don't think are being recycled into new products?	Items contaminated by other people in the same building putting unacceptable items in the bin	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2260	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Are there any items collected for recycling that you don't think are being recycled into new products?	We have single-stream recycling that we pay for	Several draft actions for the plan include the concept of improving confidence in recycling systems.
2261	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Are there any items collected for recycling that you don't think are being recycled into new products?	Paper and foil composites	Several draft actions for the plan include the concept of improving confidence in recycling systems.
2262	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Are there any items collected for recycling that you don't think are being recycled into new products?	Plastic containers and metal containers	Several draft actions for the plan include the concept of improving confidence in recycling systems.
2263	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Are there any items collected for recycling that you don't think are being recycled into new products?	Plastics, electronics	Several draft actions for the plan include the concept of improving confidence in recycling systems.
2264	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What could be done to increase your confidence in the current recycling system?	Increase drop-off to double stream	Several draft actions for the plan include the concept of improving confidence in recycling systems.
2265	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What could be done to increase your confidence in the current recycling system?	Education & promotion of facts—I have heard people say that the recycling is just put in with the regular garbage in a dump	Several draft actions for the plan include the concept of improving confidence in recycling systems.
2266	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What could be done to increase your confidence in the current recycling system?	Get more information about where and how recycling is handled so consumers know what is happening	Several draft actions for the plan include the concept of improving confidence in recycling systems.
2267	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What could be done to increase your confidence in the current recycling system?	More accessible information and urgency on what is and isn't recyclable and what happens to recycled materials and what happens when people try to place non-recyclable materials in the recycling bins	Several draft actions for the plan include the concept of improving confidence in recycling systems.
2268	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	Specifically location of recycling facilities in Vancouver	Several draft actions for the plan include the concept of improving knowledge of reuse and recycling opportunities.
2269	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	Depots are too far	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.
2270	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Barriers to Waste Reduction	Recycling toothbrushes, lipstick tubes, lighters, old frypans, wax paper	Several draft actions for the plan include the concept of advocating for products that can be reused or recycled.
2271	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	People who don't live, or regularly travel, near a location that accepts things not accepted for pickup (e.g., who don't live or work near the Zero Waste Centre or a Return-It depot)	Metro Vancouver will consider this audience when implementing programs and services
2272	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	The disenfranchised	Metro Vancouver will consider this audience when implementing programs and services
2273	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	I am often surprised by the amount of people who do not recycle and separate and dispose of food waste properly—I want to think that it's education but at times it seems related to effort when I see what people put into recycling bins in apartments	Metro Vancouver will consider this audience when implementing programs and services

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2274	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	It seems that some people don't care; possible difficulty for people with mobility issues	Metro Vancouver will consider this audience when implementing programs and services
2275	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	Seniors possibly	Metro Vancouver will consider this audience when implementing programs and services
2276	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	Which community members do you think may be having a difficult time with the current programs and services?	Lower-income people, newly immigrated people and their families	Metro Vancouver will consider this audience when implementing programs and services
2277	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Make as much as possible recyclable by household pickup rather than only drop-off at specific locations	This idea was considered as a potential action and was incorporated into the options analysis process.
2278	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Education & possibly consequences—I know from friends who live there how strict the garbage disposal is in Switzerland. I know in some municipalities in BC that if people put the wrong thing in their recycle bin that nothing is collected and they are given a warning. I know that in some cities they threaten fines but I have seen myself people not use the food waste properly which makes me think that there is no consequence	Metro Vancouver will consider this feedback when implementing the plan.
2279	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	Education & more signage about expectations and or closest depot	This idea was considered as a potential action and was incorporated into the options analysis process.
2280	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What can be done to make the programs and services more inclusive so that they work for everyone?	More public awareness and education on it, better labels/instructions, incentives, enforcement for non-compliance. I have noticed positive changes in these areas already so keep it up	This feedback will be considered in developing a regulatory strategy for the updated plan.
2281	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What should be Metro Vancouver's top priorities for the future when it comes to solid waste management?	Reduce the complexity for users. I should not need an 11-page PDF and a PhD in materials science to figure out what something is made of and whether it's recyclable or not. We need simple rules like "all plastic is accepted"	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2282	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What should be Metro Vancouver's top priorities for the future when it comes to solid waste management?	Developing new facilities or drop-off points for recycling, reusables, and waste in Vancouver	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2283	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What should be Metro Vancouver's top priorities for the future when it comes to solid waste management?	Incentives for companies that follow best practices and penalties for those that don't	This idea was considered as a potential action and was incorporated into the options analysis process.
2284	29-Nov-24	Survey Open-End Responses	Recycling Council of British Columbia (RCBC)	Waste and Recycling Industry and Associations	What should be Metro Vancouver's top priorities for the future when it comes to solid waste management?	Metro Vancouver is moving in the right direction. Some cities do a better job at it and some really don't. So sharing knowledge, technology, policies, and helping out the rest of BC and collaborating with governments and securing better paths for waste management and recycling	" Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is one of the guiding principles of the updated solid waste management plan.
2285	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Carry a water bottle to avoid buying water	Thank you for taking action to reduce waste!
2286	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Reuse jars such as salsa jars and plastic containers	Thank you for taking action to reduce waste!
2287	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Purchase dried food from refill stores (e.g., pasta, beans, grains, coffee)	Thank you for taking action to reduce waste!
2288	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Exchange clothes with friends for a new wardrobe instead of buying new clothes	Thank you for taking action to reduce waste!
2289	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Try not to use plastic zip lock bags or plastic wrap	Thank you for taking action to reduce waste!
2290	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Freeze food items so they don't go bad	Thank you for taking action to reduce waste!
2291	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Join Facebook Buy Nothing Groups to give away items I am no longer using and to ask for used items vs buying new	Thank you for taking action to reduce waste!

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2292	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Never have I changed foam mattresses in 15 years. Of course, it has to be changed once damped, saggy, and stinky. And regular change of cover	Thank you for taking action to reduce waste!
2293	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Use apps like Too Good to Go to buy surplus food at a discount	Thank you for taking action to reduce waste!
2294	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Reusable produce bags	Thank you for taking action to reduce waste!
2295	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Buy in bulk to reduce smaller packaging	Thank you for taking action to reduce waste!
2296	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Reduce shopping, choose no/less packaged goods	Thank you for taking action to reduce waste!
2297	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Buy less	Thank you for taking action to reduce waste!
2298	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Make purchasing decisions to avoid/minimize waste and packaging	Thank you for taking action to reduce waste!
2299	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Buying bars of body soap rather than containers of liquid soap	Thank you for taking action to reduce waste!
2300	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Switched to low waste options for shampoo, conditioner, soaps, and refillables; buy spices and dry goods from bulk bins instead of individual containers; don't use plastic bags for grocery produce	Thank you for taking action to reduce waste!
2301	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Recycle soft plastics	Thank you for taking action to reduce waste!
2302	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Inform takeout restaurants when ordering that utensils are not needed	Thank you for taking action to reduce waste!
2303	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Purchase a smaller home, take transit as much as possible	Thank you for taking action to reduce waste!
2304	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Choosing purchases based on their packaging, preferring less and recyclable types	Thank you for taking action to reduce waste!
2305	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Reuse aluminum foil/ziplock bags/wrapping paper and ribbons, repurpose boxes and packaging, drop off unusable goods for recycling	Thank you for taking action to reduce waste!
2306	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Share excess veggies grown in summer with friends and neighbors	Thank you for taking action to reduce waste!
2307	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Try to buy loose produce, baked goods, etc. rather than packaged in plastic	Thank you for taking action to reduce waste!
2308	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Buy in bulk	Thank you for taking action to reduce waste!
2309	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Collect and take soft plastic wrappings and bags to RecycleBC	Thank you for taking action to reduce waste!
2310	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	I have a worm compost I made for food waste, then use it in my garden	Thank you for taking action to reduce waste!
2311	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Avoiding overconsumption by purchasing with intention and thinking of the lifecycle impact of an item	Thank you for taking action to reduce waste!
2312	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Process green waste at home (e.g., use a worm bin) and reduce transporting by hauling it away	Thank you for taking action to reduce waste!

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2313	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Not buy foods wrapped in plastic to produce less garbage	Thank you for taking action to reduce waste!
2314	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	I only buy things that I absolutely need	Thank you for taking action to reduce waste!
2315	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Limit impulse buys	Thank you for taking action to reduce waste!
2316	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Take plastic etc. to a recycle or return center	Thank you for taking action to reduce waste!
2317	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Our co-op housing collects and returns flexible plastic	Thank you for taking action to reduce waste!
2318	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Avoid shopping at stores that are wasteful	Thank you for taking action to reduce waste!
2319	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Return containers to recycling depot along with plastics, Styrofoam, etc.	Thank you for taking action to reduce waste!
2320	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Buy products in larger bottles/packages to avoid multiple containers, avoid buying products wrapped in multiple layers of plastic wrap, take products not accepted in curbside recycling to the return-it depot	Thank you for taking action to reduce waste!
2321	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Low waste shopping options	Thank you for taking action to reduce waste!
2322	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Bring soft plastics to London Drugs, make my own bread because bread bags add up, upcycle bits and pieces into art/jewelry/whatever it can be made into, make my own hair and body care products to reduce plastic bottles, reusable produce bags, try not to buy things wrapped in plastic, don't buy much online because it's wrapped in layers of plastic for some reason	Thank you for taking action to reduce waste!
2323	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Purchase from bulk stores or no-waste stores to avoid plastic wrappers	Thank you for taking action to reduce waste!
2324	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Reduce purchasing certain items	Thank you for taking action to reduce waste!
2325	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	I reduce my water and light intake	Thank you for taking action to reduce waste!
2326	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Buy bulk foods rather than "one-off" products	Thank you for taking action to reduce waste!
2327	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Cook my own food most of the time	Thank you for taking action to reduce waste!
2328	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Only buy as much as I need/can use, and buy as many low-packaging items as I can	Thank you for taking action to reduce waste!
2329	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Ask myself if I really need something before making the purchase	Thank you for taking action to reduce waste!
2330	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Put food scraps in the freezer for smoothies or soups or broth	Thank you for taking action to reduce waste!
2331	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Conserve grey water for garden, turn off lights, bake multiple things at once, rechargeable batteries, wear sweaters, turn tap off quickly. Buy laundry soap strips, shampoo bars, hand soap bars to try for less plastic, concentrates to help weight for shipping, don't use plastic bags at grocery store or reuse them for garbage bags, use cloth rags instead of single-use wipes, hankie instead of nose tissue, bought a face cotton swap replacement I can wash and reuse, make DIY cleansers when possible	Thank you for taking action to reduce waste!

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2332	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Try to buy only items that are needed versus wanted	Thank you for taking action to reduce waste!
2333	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Find places to recycle random objects in the correct way so they don't end up in the garbage	Thank you for taking action to reduce waste!
2334	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Decline free items that I don't need	Thank you for taking action to reduce waste!
2335	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Bring plastic and Styrofoam waste to the collecting bin at London Drugs	Thank you for taking action to reduce waste!
2336	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Reuse plastic bags for veggies while shopping	Thank you for taking action to reduce waste!
2337	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	I use refillable hand soap, shampoo, and cleaning products	Thank you for taking action to reduce waste!
2338	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Contact shippers about overpackaging. Buy double to avoid more shipping, avoid buying foam containers. Don't use takeout very often	Thank you for taking action to reduce waste!
2339	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Additional Waste Reduction Actions	Try to minimize what I buy in the first place	Thank you for taking action to reduce waste!
2340	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	A significant lack of clarity in the recycling process. Shipping recycling waste overseas instead of processing and recycling waste in Canada. Zero faith in Canada's ability and commitment to recycling, beyond a public relations exercise	Metro Vancouver will consider improving clarity and trust when developing strategies and actions for an updated plan.
2341	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	I don't have a car, and I live in an apartment. It seems that most options for recycling or reuse are aimed at folks who live in single-family dwellings and/or have ready access to a vehicle	Metro Vancouver will consider accessibility barriers when developing strategies and actions for an updated plan.
2342	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	If an item is not collected in my building's recycling containers, I have to store it in my very small space until I can bring it away. Then I have to find a place that accepts it, and it has to be close enough and accessible via public transit. Then I have to have the time and ability to take it there	Metro Vancouver will consider space for recycling when developing strategies and actions for an updated plan.
2343	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Even small items like batteries and light bulbs are a huge frustration because there is no place close to me that takes them. I won't throw them in the garbage, but they are a stress to deal with	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan. Strategies within this goal consider convenience as a way to make it easier for residents.
2344	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	In my building (mixed residential and commercial condo), I'm pretty sure that other residents put wrong items in the wrong bins or don't clean containers properly, which makes me wonder if entire loads are contaminated and end up landfilled	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan. Strategies within this goal consider reducing contamination to improve the effectiveness of recycling.
2345	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Not enough space; equipment like compost bags are expensive	Metro Vancouver will consider space for recycling and affordability when developing strategies and actions for an updated plan.
2346	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	The non-acceptance of soft plastics in the blue bin	Metro Vancouver will consider types of materials when developing strategies and actions for an updated plan.
2347	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Cost of low-waste/no-waste products compared to conventional products	"A solid waste and recycling system that is affordable, convenient, and consistent across the region." is one of the guiding principles of the updated solid waste management plan.
2348	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Location of specialty recycling (propane tanks, car seats, paint cans)	"A solid waste and recycling system that is affordable, convenient, and consistent across the region." is one of the guiding principles of the updated solid waste management plan.

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2349	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Convenience—it would be more convenient if soft plastics could be recycled in the blue bins	"A solid waste and recycling system that is affordable, convenient, and consistent across the region." is one of the guiding principles of the updated solid waste management plan.
2350	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	There isn't a place within walking distance for returnables	"A solid waste and recycling system that is affordable, convenient, and consistent across the region." is one of the guiding principles of the updated solid waste management plan.
2351	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Multi-unit dwellings should have the ability to recycle the same extensive list of items as single-family homes	Several draft actions for the plan include the concept of reducing barriers for multi-family residents.
2352	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Seeing other people not participate, or choosing not to sort and recycle; simply tossing garbage in recycling bins at apartment buildings	Metro Vancouver will consider this feedback when implementing the plan.
2353	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	I was very green as a teenager, now I feel it's hopeless and I only do it out of habit	Several draft actions for the plan include the concept of increased transparency to improve confidence in the system.
2354	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Lack of resources to recycle unusable textiles	Several draft actions for the plan include ideas for improving textile reuse and recycling.
2355	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Multi-family dwellings in my area have no curbside pickup of larger items/appliances	Several draft actions for the plan include the concept of reducing barriers for multi-family residents.
2356	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	For seniors or people with mobility challenges, physically accessing return-it depots is a significant barrier	Return-it depots are not run by Metro Vancouver, however accessibility is a key consideration in design of Metro Vancouver recycling depots.
2357	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	It is ridiculously difficult to recycle soft plastic and other packaging materials in Vancouver	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
2358	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Space constraints—residents in high-density buildings do not have easy access to waste disposal, especially organics disposal	Several draft actions for the plan include the concept of reducing barriers for multi-family residents.
2359	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Lack of clear information on where to take things. No centralized facility for everything—have to go here for one item, someplace else for another	Several draft actions for the plan include the concept of improving access to information.
2360	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Wondering if it uses more resources to clean vs throw out (e.g., peanut butter jars)	According to Recycle BC, if containers are empty, a short rinse is really all your containers need, and will make a difference.
2361	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Not enough recycling bins in the public realm	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
2362	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Poor parking choices at depots for disabled drivers. Need a "drop only no refund" option	Thank you for your feedback. Accessibility is a key consideration in design of Metro Vancouver recycling depots.
2363	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	It needs to be as simple a process as possible, i.e., collect as much as possible from the door including batteries, electronics, etc.—even if only on a monthly or quarterly basis	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
2364	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	The smell of the bin	Several draft actions for the plan include the concept of reducing barriers for participation in recycling or organics programs.

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2365	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Seniors and those with disabilities struggling to access recycling programs	" Inclusive solid waste services and programs" is one of the guiding principles of the updated solid waste management plan.
2366	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Lack of centralized facilities—each type of waste requires a different drop-off location	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.
2367	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Lack of enforcement—many people don't recycle correctly	This feedback will be considered in developing a regulatory strategy for the updated plan.
2368	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Better communication and outreach	Several draft actions for the plan include the concept of improving education and outreach.
2369	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	More language options for educational materials	This idea was considered as a potential action and was incorporated into the options analysis process.
2370	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Accepting more items in curbside collection	This idea was considered as a potential action and was incorporated into the options analysis process.
2371	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Pick-up services for items not included in standard recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
2372	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Clearer and more accessible information on what can be recycled	This idea was considered as a potential action and was incorporated into the options analysis process.
2373	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	More local drop-off points	This idea was considered as a potential action and was incorporated into the options analysis process.
2374	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Holding manufacturers accountable for packaging waste	This idea was considered as a potential action and was incorporated into the options analysis process.
2375	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Easier access to recycling centers via public transport	This idea was considered as a potential action and was incorporated into the options analysis process.
2376	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	More visual and multilingual signage in buildings	This idea was considered as a potential action and was incorporated into the options analysis process.
2377	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Fines for non-compliance to encourage better waste sorting	This idea was considered as a potential action and was incorporated into the options analysis process.
2378	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Using repair cafes to extend product lifecycles	Metro Vancouver currently co-funds repair cafes in member jurisdictions.
2379	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	More educational campaigns, particularly in schools	This idea was considered as a potential action and was incorporated into the options analysis process.
2380	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Partnerships with local businesses for take-back programs	This idea was considered as a potential action and was incorporated into the options analysis process.
2381	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Providing incentives for proper recycling and waste reduction	This idea was considered as a potential action and was incorporated into the options analysis process.
2382	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Tax the retailers who import products using plastic packaging.	This idea was considered as a potential action and was incorporated into the options analysis process.
2383	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Removing barriers to throw trash, such as creating trash chutes on every floor of an apartment (similar to Toronto).	This idea was considered as a potential action and was incorporated into the options analysis process.
2384	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Clearly write what bins are for.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2385	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Sometimes I think it all ends up in the same place. There should be more garbage/compost/recycling bins available in public areas.	This idea was considered as a potential action and was incorporated into the options analysis process.
2386	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Stop creating, marketing, advertising, and selling new fashionable clothes, apparel, and shoes for five years. Educate consumers to use these items for at least five years.	This idea was considered as a potential action and was incorporated into the options analysis process.
2387	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Hire a recycling agent to assist those who have trouble. This could be a great entry-level position for hard-to-employ individuals.	This idea was considered as a potential action and was incorporated into the options analysis process.
2388	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Tax or charge businesses, not consumers, for environmental waste issues.	This idea was considered as a potential action and was incorporated into the options analysis process.
2389	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Mandate post-consumer programs from distributors and manufacturers.	This idea was considered as a potential action and was incorporated into the options analysis process.
2390	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Shift the focus to reduction of waste, rather than just recycling.	"Rethink" and "Reduce" are the highest levels of the Metro Vancouver's draft waste hierarchy.
2391	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Collaborate with cities to incentivize reusable cup programs like the one in Berlin and disincentivize takeout containers.	This idea was considered as a potential action and was incorporated into the options analysis process.
2392	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Make it easier to recycle plastic packaging and soft plastics.	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2393	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Bring back fabric recycling programs.	This idea was considered as a potential action and was incorporated into the options analysis process.
2394	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Develop programs to encourage businesses to participate in a circular economy.	This idea was considered as a potential action and was incorporated into the options analysis process.
2395	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Eliminate the export of waste to other regions and countries.	This idea was considered as a potential action and was incorporated into the options analysis process.
2396	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Increase public trash and recycling bins in parks and public spaces.	This idea was considered as a potential action and was incorporated into the options analysis process.
2397	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	My building does not collect soft plastic, and there's nowhere nearby to drop it off. Plus, I have mobility issues, so it ends up in the garbage, and it really bothers me.	Several draft actions for the plan include the concept of reducing barriers for multi-family residents.
2398	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Reduce imports of goods from countries that don't follow waste reduction rules.	This idea was considered as a potential action and was incorporated into the options analysis process.
2399	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Promote repair cafés more actively.	This idea was considered as a potential action and was incorporated into the options analysis process.
2400	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Reduce packaging at grocery stores.	This idea was considered as a potential action and was incorporated into the options analysis process.
2401	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	We have food allergies in our household, so we can't buy bulk due to cross-contamination. Some level of packaging is important for us.	Metro Vancouver will consider barriers to reducing packaging when developing strategies and actions for an updated plan.
2402	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Implement fines for improper waste sorting in multi-unit buildings.	This idea was considered as a potential action and was incorporated into the options analysis process.
2403	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Unfortunately, we need a time machine to undo human greed and capitalism's impact on waste. Either that, or a shrink ray to make all waste disappear. Otherwise, we're SOL. (Lol.)	Metro Vancouver has reduced waste generation and disposal over the lifespan of the existing plan and will strive to continue that trend in future years.
2404	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Implement early education interventions.	This idea was considered as a potential action and was incorporated into the options analysis process.
2405	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Help seniors and people with physical disabilities participate in waste reduction efforts.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2406	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Promote reuse over disposal. Many people put working items in recycling instead of donating them.	Reuse is prioritized over disposal in the plan's draft hierarchy.
2407	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Stores should be more open to allowing customers to use reusable containers.	Several draft actions for the plan include the concept of making reuse the norm.
2408	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Encourage businesses and restaurants to donate leftover food instead of discarding it.	This idea was considered as a potential action and was incorporated into the options analysis process.
2409	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Allow people to take expired grocery items at a reduced cost or through a liability waiver.	This idea was considered as a potential action and was incorporated into the options analysis process.
2410	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Indigenous reconciliation and partnership – work with Indigenous communities on sustainable waste management.	Metro Vancouver is engaging with First Nations as part of the updated plan.
2411	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Climate change resilience – invest in green infrastructure and carbon reduction initiatives.	Action on climate change is considered under Metro Vancouver's Climate 2050 Strategic Framework.
2412	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Mental health and wellness – address stress and anxiety related to climate change.	Action on climate change and its impacts are considered under Metro Vancouver's Climate 2050 Strategic Framework.
2413	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Food security – support local food systems and reduce food waste.	Several draft actions for the plan include the concept of reducing food waste.
2414	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Transportation equity – improve accessibility for those who rely on public transit.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
2415	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Housing affordability – support affordable housing to improve waste disposal access.	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
2416	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Disaster preparedness – enhance emergency response systems for environmental disasters.	Metro Vancouver has a separate Joint Municipal Regional Disaster Debris Management Plan which deals with debris management following disasters.
2417	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Arts and culture – integrate creative solutions for sustainability.	This feedback may be outside the scope of the plan, however innovation is a key consideration for the updated plan.
2418	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Greatly increase fines for improper waste disposal, such as illegal dumping.	This idea was considered as a potential action and was incorporated into the options analysis process.
2419	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Prove to us that recycling actually works throughout the whole chain.	"Transparency about what happens to garbage and recycling" is one of the guiding principles of the updated solid waste management plan.
2420	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Charge deposits on more types of packaging to encourage returns and reuse.	This idea was considered as a potential action and was incorporated into the options analysis process.
2421	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Develop local markets for recycled materials.	This idea was considered as a potential action and was incorporated into the options analysis process.
2422	30-Nov-24	Survey Open-End Responses	Mind Your Plastic	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Work directly with businesses that generate the most waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
2423	30-Nov-24	Focus Group Notes	Ocean Wise	NGO/non-profit and environmental stewardship groups	What types of information would be most helpful for you in furthering your understanding of waste reduction?	Stronger leadership from Metro Vancouver in waste removal efforts.	Metro Vancouver will consider this feedback when implementing the plan.
2424	4-Dec-24	Focus group notes	Women Transforming Cities	NGO/non-profit and environmental stewardship groups	As Metro Vancouver updates the plan, what actions can build on our success to expand inclusive programs and services?	Apartment buildings don't have enough waste options, they get full really quickly	Several draft actions for the plan include the concept of reducing barriers for multi-family residents.
2425	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	As Metro Vancouver updates the plan, what actions can build on our success to expand inclusive programs and services?	How do you access electronics or clothes zero waste centers if you don't have a car? Make this a more accessible service. Curbside or local business options that takes electronics and clothing	This idea was considered as a potential action and was incorporated into the options analysis process.

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2426	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	As Metro Vancouver updates the plan, what actions can build on our success to expand inclusive programs and services?	Better access by transit for those without a car	This feedback will be considered in developing a recycling and waste centre strategy for the updated plan.
2427	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	As Metro Vancouver updates the plan, what actions can build on our success to expand inclusive programs and services?	In Argentina they have huge receptacles in major parks for batteries. That was a cool initiative that made it easy to eliminate things that are harder to recycle on a day-to-day basis	This idea was considered as a potential action and was incorporated into the options analysis process.
2428	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	As Metro Vancouver updates the plan, what actions can build on our success to expand inclusive programs and services?	People don't think to go to the Metro Van website for information on this—we need to get information to them other ways	Several draft actions for the plan include the concept of spreading information through different channels.
2429	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	As Metro Vancouver updates the plan, what actions can build on our success to expand inclusive programs and services?	All of my neighbours were Iranian and they weren't going to get info on the Metro Van website in Persian. It needs to be on the bins to match the access needs for the people in the area	This idea was considered as a potential action and was incorporated into the options analysis process.
2430	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	As Metro Vancouver updates the plan, what actions can build on our success to expand inclusive programs and services?	Place-based information	Several draft actions for the plan include the concept of improving waste data.
2431	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	As Metro Vancouver updates the plan, what actions can build on our success to expand inclusive programs and services?	If a building is consistently doing the wrong thing there needs to be a notice about that. Bin going into landfill and going to waste because they don't understand what goes where, so action needs to be taken in advance. Sticker on the bin that says what the contamination was so that it doesn't happen again	This idea was considered as a potential action and was incorporated into the options analysis process.
2432	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What do you see as potential barriers in achieving inclusive programs and services?	People moving between municipalities where rules are different is a barrier	"A solid waste and recycling system that is affordable, convenient, and consistent across the region" is one of the guiding principles of the updated solid waste management plan.
2433	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What do you see as potential barriers in achieving inclusive programs and services?	It takes time to go through the correct information, there's no time to read a novel about recycling	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2434	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What do you see as potential barriers in achieving inclusive programs and services?	When I rinse out a container to recycle, it is cleaning, thus using the natural gas that my water is heated with, is that not as harmful as just not recycling it?	"[Insert relevant goal]" is one of the draft goals of the updated solid waste management plan.
2435	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What do you see as potential barriers in achieving inclusive programs and services?	The emissions used to drive to waste areas, does it cancel out the recycling?	According to Recycle BC, if containers are empty, a short rinse is really all your containers need, and will make a difference.
2436	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What do you see as potential barriers in achieving inclusive programs and services?	Those bins that look separated but all actually end up in the same bin	"Transparency about what happens to garbage and recycling" is one of the guiding principles of the updated solid waste management plan.
2437	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What do you see as potential barriers in achieving inclusive programs and services?	Maybe some stats that they can share? But no one else is gonna collect that data	Metro Vancouver is reviewing the possibility to incorporate metrics on inclusivity in the updated plan.
2438	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Tax the huge corporations and not the individual	"Accountability from residents, businesses and governments to prevent waste" is one of the guiding principles of the updated solid waste management plan.
2439	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	Do more than us at the individual level, they're the ones who contribute the most. We do all this effort but they produce products that contribute to the waste	"Accountability from residents, businesses and governments to prevent waste" is one of the guiding principles of the updated solid waste management plan.
2440	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	More in charge of taking back their products and dealing with repurposing them and cleaning them	"Accountability from residents, businesses and governments to prevent waste" is one of the guiding principles of the updated solid waste management plan.
2441	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance inclusive programs and services?	Give their money to organizations that are doing good things (the Binners' Project) you hire them for events but need to do more by giving them funding	This idea was considered as a potential action and was incorporated into the options analysis process.
2442	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	In what ways could Metro Vancouver collaborate with others more effectively to advance inclusive programs and services?	Work with businesses as well to raise awareness with them	This idea was considered as a potential action and was incorporated into the options analysis process.

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2443	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	Let's flip the script: Thinking of the current system, what is working well and should not be changed? What is going well and should be expanded on?	Glass container recycling, separate items for binners to pick up	Metro Vancouver will continue to implement initiatives of this type.
2444	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	Let's flip the script: Thinking of the current system, what is working well and should not be changed? What is going well and should be expanded on?	Allowing people to make some income from waste management is good	Metro Vancouver will continue to implement initiatives of this type.
2445	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	Let's flip the script: Thinking of the current system, what is working well and should not be changed? What is going well and should be expanded on?	The VanCollect app is so great and tells you when your days change and what is being collected, the tech form is really helpful	Metro Vancouver will continue to encourage initiatives of this type.
2446	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of inclusive programs and services? What questions do you have?	What percentage of recycling is ending up in landfills	Metro Vancouver's waste composition program provides information on the amount of recyclable material that is disposed.
2447	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of inclusive programs and services? What questions do you have?	Give people the data	Metro Vancouver's waste composition program provides information on the amount of recyclable material that is disposed.
2448	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of inclusive programs and services? What questions do you have?	Every household gets an odorless dry powder food waste machine	This idea was considered as a potential action and was incorporated into the options analysis process.
2449	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of inclusive programs and services? What questions do you have?	The data gets people excited, in a dream world people would be well-informed and communities would know what % of waste is going in which areas	Metro Vancouver will consider this feedback in developing metrics and targets.
2450	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of inclusive programs and services? What questions do you have?	Feeling like what you're doing doesn't make a difference, initiatives need to be paired with stats and accountability and support them in letting them know their behaviour is making a difference	Metro Vancouver will consider this feedback in developing metrics and targets.
2451	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What types of information would be most helpful for you in furthering your understanding of inclusive programs and services? What questions do you have?	This is what I haven't wasted, this is how I've transferred my waste service. It's fun when you can make it a challenge. Reducing, and doing something with your waste. Make it fun and satisfying in doing the action. The data is inspiring	Metro Vancouver will consider this feedback in developing metrics and targets.
2452	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What are some ways to engage with Metro Vancouver residents on inclusive programs and services?	Reaching out to organizations to do engagement	Metro Vancouver will consider this feedback in future engagement and outreach.
2453	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What are some ways to engage with Metro Vancouver residents on inclusive programs and services?	What organizations are they engaging with and where is that being discussed? What communities are they reaching out to and who are they hearing from?	Engagement summaries for each phase of the plan are published on Metro Vancouver's website.
2454	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What are some ways to engage with Metro Vancouver residents on inclusive programs and services?	Neighbourhood houses are a good fit for these kinds of things	Metro Vancouver will consider this feedback in future engagement and outreach.
2455	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What are some ways to engage with Metro Vancouver residents on inclusive programs and services?	Who are the people that face the most barriers to this? Time, money, language, knowledge. What services are they engaging with and how can they get to them? Why should they care if they're working 3 jobs and living in poverty, what's in it for them?	Metro Vancouver will consider this feedback in future engagement and outreach.
2456	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What are some ways to engage with Metro Vancouver residents on inclusive programs and services?	Don't assume people are motivated by reducing landfill	Metro Vancouver will consider this feedback in future engagement and outreach.
2457	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What are some ways to engage with Metro Vancouver residents on inclusive programs and services?	Engage with unions. Recycling and zero waste has a classist fit to them. Status symbol. Lifestyle flex. People feel ashamed because they don't have the time or can't afford to make those lifestyle changes. How to engage with those that don't have a lot of resources	This idea was considered as a potential action and was incorporated into the options analysis process.

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2458	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What are some ways to engage with Metro Vancouver residents on inclusive programs and services?	Because people are busy working they use more single package and single-use things	Several draft actions for the plan include the concept of reducing single use items.
2459	4-Dec-24	Focus group notes	Women Transforming Cities	Public members-at-large	What are some ways to engage with Metro Vancouver residents on inclusive programs and services?	Providing a receptacle or something small and odorless for compost. I use a container because I have the time to refill it and I keep it in my freezer. Getting small containers that people can have on their counter	This idea was considered as a potential action and was incorporated into the options analysis process.
2460	4-Dec-24	Focus group summary	Women Transforming Cities	Public members-at-large		A lot of the results were predictable. When it comes to waste management, thosewho don't have the information in front of them, aren't in spaces or surrounded by community that is also not only knowledgable on waste but has the time for it will most liekly not do more than the bare minimum. If we want to improve the way people arrpoach waste at the individual level, we need to make information on waste as accessible as possible. Do not rely on people to seek out this information, instead bring it to them! In a consise, easily digestable, and non-time consuming way.	Metro Vancouver will consider this feedback in future engagement and outreach.
2461	4-Dec-24	Focus group summary	Women Transforming Cities	Public members-at-large		Another thing that was brought up in the focus group and that I often hear, is that a lot of wsate issues should be handled more at an institutional level, and not an individual level. Large coorporations that are responsible for most of the waste should be making the adequate changes to be more environmentally consious, we should not be putting this burden on the individuals that consume or purchase these products.	"Accountability from residents, businesses and governments to prevent waste" is one of the guiding principles of the updated solid waste management plan.
2462	7-Dec-24	Engagement summary notes: Hackathon – Case Competition	Bioloop Foundation	NGO/non-profit and environmental stewardship groups		Overall, participants described the hackathon as a transformative and empowering experience. Many expressed gratitude for the opportunity to contribute to meaningful solutions for Metro Vancouver's solid waste management plan while addressing broader sustainability challenges. Suggestions for improvement focused on logistical refinements and expanding the event's impact beyond the hackathon itself.	Thank you for taking action to reduce waste!
2463	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	NGO/non-profit and environmental stewardship groups	Barriers	People face physical limitations to waste management in buildings.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2464	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers	Many can feel frustrated with the recycling system and numbering.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2465	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers	It is difficult to handle heavy loads to carry.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2466	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers	Individuals suffering with anxiety, can find it easily overwhelming by recycling and composting directions.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2467	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers	The team requested education on the management of waste in a household; where items need to be placed and strategies to successful manage household waste.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2468	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers	Waste management can be made more accessible as many people can find it challenging to adapt to new habits and routines.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2469	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers	Non-English speakers, and newcomers struggle with the recycling and the waste management system.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2470	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers	Seniors and people with mobility issues, find it hard to contribute to recycling practices	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2471	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers	Community members with physical limitations find it difficult to reach waste drop off points.	This idea was considered as a potential action and was incorporated into the options analysis process.
2472	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Redesign Bins: Develop lightweight, ergonomic bins for easier use by individuals with mobility challenges.	This idea was considered as a potential action and was incorporated into the options analysis process.
2473	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Door-to-Door Collection: Provide targeted pickup services in high-density and underserved areas, with home care programs for waste sorting.	This idea was considered as a potential action and was incorporated into the options analysis process.
2474	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Decentralized Drop-Off Centers: Set up redemption and recycling points within residential buildings or community hubs.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2475	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	AI-Assisted Sorting: Implement AI-powered applications to help residents identify and sort waste accurately in real-time.	This idea was considered as a potential action and was incorporated into the options analysis process.
2476	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Barcode Systems: Use barcodes or QR codes to provide sorting instructions and increase confidence in recycling.	This idea was considered as a potential action and was incorporated into the options analysis process.
2477	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Smart Facilities: Establish AI-enabled sorting facilities to reduce individual sorting burdens and improve overall system efficiency.	This idea was considered as a potential action and was incorporated into the options analysis process.
2478	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Tailored Education Programs: Offer waste management workshops targeting newcomers, non-English speakers, and individuals with cognitive barriers.	This idea was considered as a potential action and was incorporated into the options analysis process.
2479	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Clear Signage: Standardize signage with visual and multilingual instructions for bins and drop-off locations.	This idea was considered as a potential action and was incorporated into the options analysis process.
2480	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Community-Led Recycling Events: Organize "Recycling Parties" to promote mutual aid and incentivize community responsibility.	This idea was considered as a potential action and was incorporated into the options analysis process.
2481	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Consistent Policies: Align waste management goals across all government levels to reduce public confusion.	This idea was considered as a potential action and was incorporated into the options analysis process.
2482	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Incentive Programs: Launch a points-based system offering financial rewards for proper recycling practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
2483	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Support Informal Recyclers: Provide safety gear and lightweight tools to street recyclers, ensuring their contribution is recognized and safe.	This idea was considered as a potential action and was incorporated into the options analysis process.
2484	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Interdisciplinary Partnerships: Foster collaboration among governments, nonprofits, and private sectors to pool resources and expertise.	This idea was considered as a potential action and was incorporated into the options analysis process.
2485	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Promote Shared Responsibility: Shift the focus from individual to community responsibility through collective initiatives and support systems.	This idea was considered as a potential action and was incorporated into the options analysis process.
2486	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Culturally Inclusive Strategies: Incorporate Indigenous knowledge and respect diverse cultural perspectives in waste management planning.	This idea was considered as a potential action and was incorporated into the options analysis process.
2487	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Advocate for sustainable alternatives like plant-based and compostable materials.	This idea was considered as a potential action and was incorporated into the options analysis process.
2488	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solutions	Encourage businesses to adopt zero-waste production methods powered by renewable energy sources like solar, wind, and geothermal.	This idea was considered as a potential action and was incorporated into the options analysis process.
2489	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can we ensure that solid waste management policies and programs are consistent and clear across different municipalities in Metro Vancouver?	Unified Policy Framework: Develop a Metro Vancouver-wide solid waste management policy that standardizes guidelines, signage, and practices across all municipalities.	This idea was considered as a potential action and was incorporated into the options analysis process.
2490	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can we ensure that solid waste management policies and programs are consistent and clear across different municipalities in Metro Vancouver?	Public Communication: Launch a regional public awareness campaign to educate residents on the unified policies, using simple, consistent messaging in multiple languages.	This idea was considered as a potential action and was incorporated into the options analysis process.
2491	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can we ensure that solid waste management policies and programs are consistent and clear across different municipalities in Metro Vancouver?	Stakeholder Coordination: Establish a collaborative task force involving municipal governments, private waste management companies, and community organizations to ensure alignment and adaptability.	This idea was considered as a potential action and was incorporated into the options analysis process.
2492	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can we ensure that solid waste management policies and programs are consistent and clear across different municipalities in Metro Vancouver?	Digital Platforms: Create an official Metro Vancouver app or website that provides real-time updates and resources on waste management policies.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2493	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What specific resources can be provided to marginalized groups, such as newcomers or individuals with disabilities, to help them participate effectively in recycling and composting programs?	Multilingual Guides: Distribute recycling and composting guides in the most common languages spoken in the community, supplemented with visual aids for clarity.	This idea was considered as a potential action and was incorporated into the options analysis process.
2494	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What specific resources can be provided to marginalized groups, such as newcomers or individuals with disabilities, to help them participate effectively in recycling and composting programs?	Cultural Ambassadors: Partner with community organizations to train cultural ambassadors who can educate and assist newcomers.	This idea was considered as a potential action and was incorporated into the options analysis process.
2495	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What specific resources can be provided to marginalized groups, such as newcomers or individuals with disabilities, to help them participate effectively in recycling and composting programs?	Accessible Infrastructure: Install user-friendly bins with clear visual indicators, ergonomic designs, and height-adjustable features for individuals with disabilities.	This idea was considered as a potential action and was incorporated into the options analysis process.
2496	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What specific resources can be provided to marginalized groups, such as newcomers or individuals with disabilities, to help them participate effectively in recycling and composting programs?	Support Programs: Provide door-to-door waste collection services or home-care support for individuals with mobility challenges or other physical limitations.	This idea was considered as a potential action and was incorporated into the options analysis process.
2497	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can advanced technologies like AI be integrated into solid waste management systems without creating additional barriers for those who are not tech-savvy?	User-Friendly Applications: Design AI-powered apps with simple interfaces, voice commands, and multilingual support to assist residents in identifying and sorting waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
2498	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can advanced technologies like AI be integrated into solid waste management systems without creating additional barriers for those who are not tech-savvy?	Hybrid Systems: Combine AI with physical aids, such as barcode labels or RFID tags, to make waste sorting easier without requiring direct app usage.	This idea was considered as a potential action and was incorporated into the options analysis process.
2499	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can advanced technologies like AI be integrated into solid waste management systems without creating additional barriers for those who are not tech-savvy?	Public Training: Offer workshops and tutorials to teach residents how to use AI tools for waste management, with a focus on accessibility and inclusivity.	This idea was considered as a potential action and was incorporated into the options analysis process.
2500	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can advanced technologies like AI be integrated into solid waste management systems without creating additional barriers for those who are not tech-savvy?	Tech-Free Alternatives: Ensure that traditional methods like printed guides and hotline services remain available for those who prefer not to use technology.	This idea was considered as a potential action and was incorporated into the options analysis process.
2501	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What incentives or strategies can be introduced to encourage community responsibility and active participation in sustainable solid waste management?	Community Points System: Launch a points-based reward system where households or neighborhoods earn incentives (e.g., discounts, rebates, or donations to local projects) for proper recycling and composting.	The concept of rewarding residents for waste reduction behaviour is included in the draft actions for the updated plan.
2502	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What incentives or strategies can be introduced to encourage community responsibility and active participation in sustainable solid waste management?	Recycling Events: Organize community recycling events or "Recycling Parties" that combine waste management with social engagement, making the practice fun and interactive.	This idea was considered as a potential action and was incorporated into the options analysis process.
2503	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What incentives or strategies can be introduced to encourage community responsibility and active participation in sustainable solid waste management?	Recognition Programs: Acknowledge and reward community members or groups who demonstrate exceptional commitment to sustainability through public recognition or awards.	This idea was considered as a potential action and was incorporated into the options analysis process.
2504	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What incentives or strategies can be introduced to encourage community responsibility and active participation in sustainable solid waste management?	Mutual Aid Networks: Foster a culture of community support where individuals assist neighbors with waste sorting or disposal, especially those facing barriers.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2505	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Hold Bad Actors Accountable: Enforce regulations requiring companies and organizations to follow sustainable solid waste management practices. Implement fines or penalties for violations.	This idea was considered as a potential action and was incorporated into the options analysis process.
2506	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Mandatory Reporting: Require businesses to report solid waste reduction strategies and their progress toward sustainability goals.	This idea was considered as a potential action and was incorporated into the options analysis process.
2507	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	AI and App Integration: Develop an AI-powered app to guide residents on what, where, and how to recycle/dispose of solid waste. Include multilingual options, visual aids, and voice command features for inclusivity. Offer notifications for waste collection days and nearest drop-off sites.	This idea was considered as a potential action and was incorporated into the options analysis process.
2508	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	AI Sorting Facility: Build an AI-enabled centralized facility for waste sorting, reducing the onus on individuals and enhancing efficiency.	This idea was considered as a potential action and was incorporated into the options analysis process.
2509	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Vending Machine-Style Systems: Install automated waste drop-off systems with incentives, such as small financial rewards or community points for proper recycling and disposal.	This idea was considered as a potential action and was incorporated into the options analysis process.
2510	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Localized Drop-Off Sites: Increase waste drop-off points in residential apartments, businesses, and public spaces. Ensure these sites are wheelchair-accessible and conveniently located to minimize travel distances.	This idea was considered as a potential action and was incorporated into the options analysis process.
2511	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Door-to-Door Collection: Scale up existing campaigns to include underserved areas and provide waste collection services tailored to individuals with mobility issues or other barriers.	This idea was considered as a potential action and was incorporated into the options analysis process.
2512	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Centralized Information Hub: Create an online platform providing zero-waste solutions, waste sorting guides, and sustainable practices in Metro Vancouver.	This idea was considered as a potential action and was incorporated into the options analysis process.
2513	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Social Media Campaigns: Use social platforms to share educational content, promote initiatives, and amplify the voices of community members.	This idea was considered as a potential action and was incorporated into the options analysis process.
2514	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Sustainability Values: Collaborate with Indigenous leaders and communities to integrate traditional ecological knowledge and values of sustainability into solid waste management strategies.	This idea was considered as a potential action and was incorporated into the options analysis process.
2515	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Reconciliation Goals: Ensure that partnerships align with the goals of reconciliation by providing equitable representation and opportunities for Indigenous communities in decision-making and implementation.	This idea was considered as a potential action and was incorporated into the options analysis process.
2516	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Government Collaboration: Secure fair funding from municipal, provincial, and federal governments to support sustainable solid waste management initiatives.	This idea was considered as a potential action and was incorporated into the options analysis process.
2517	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Job Creation Program: Develop programs focused on hiring local workers, especially youth, seniors, and marginalized groups, for roles in solid waste management, education, and outreach.	This idea was considered as a potential action and was incorporated into the options analysis process.
2518	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Shift from Linear Practices: Work with businesses, including large grocery stores and small enterprises, to reduce waste and promote refillable products and packages.	This idea was considered as a potential action and was incorporated into the options analysis process.
2519	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Collaborate on Food Waste Solutions: Partner with organizations addressing food insecurity to redistribute surplus food and collect food waste directly from businesses and households.	This idea was considered as a potential action and was incorporated into the options analysis process.
2520	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Community Conversations: Encourage residents to discuss sustainability with family, friends, and neighbors to foster collective responsibility.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2521	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Community Responsibility: Promote initiatives that center on shared accountability rather than leaving the burden solely on individuals.	This idea was considered as a potential action and was incorporated into the options analysis process.
2522	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Key Actions and Solutions	Zero-Waste Events: Organize events, workshops, and campaigns to engage the community and raise awareness.	This idea was considered as a potential action and was incorporated into the options analysis process.
2523	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can Metro Vancouver ensure that large corporations, such as grocery stores and manufacturers, take responsibility for reducing waste and transitioning to refillable products or sustainable packaging?	Extended Producer Responsibility (EPR): Expand and enforce EPR programs to hold corporations accountable for the entire lifecycle of their products, including packaging. Require companies to manage the collection, recycling, or safe disposal of their solid waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
2524	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can Metro Vancouver ensure that large corporations, such as grocery stores and manufacturers, take responsibility for reducing waste and transitioning to refillable products or sustainable packaging?	Incentivize Sustainable Practices: Offer tax breaks, grants, or subsidies to businesses that adopt refillable, reusable, or compostable packaging.	This idea was considered as a potential action and was incorporated into the options analysis process.
2525	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can Metro Vancouver ensure that large corporations, such as grocery stores and manufacturers, take responsibility for reducing waste and transitioning to refillable products or sustainable packaging?	Mandatory Waste Reduction Targets: Introduce regulations requiring corporations to meet specific waste reduction and sustainability goals within a set timeline.	This idea was considered as a potential action and was incorporated into the options analysis process.
2526	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can Metro Vancouver ensure that large corporations, such as grocery stores and manufacturers, take responsibility for reducing waste and transitioning to refillable products or sustainable packaging?	Collaboration: Partner with businesses to develop shared solutions, such as bulk refill stations or standardized, recyclable containers that can be reused across brands.	This idea was considered as a potential action and was incorporated into the options analysis process.
2527	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What specific incentives can be provided to encourage individuals and communities to participate in sustainable solid waste management practices, such as recycling or composting?	Financial Incentives: Implement a community points system where proper waste sorting earns points that can be redeemed for discounts or vouchers. Introduce deposit-refund systems for recyclable containers and compostable materials to encourage proper disposal.	This idea was considered as a potential action and was incorporated into the options analysis process.
2528	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What specific incentives can be provided to encourage individuals and communities to participate in sustainable solid waste management practices, such as recycling or composting?	Convenience-Based Rewards: Set up vending machine style waste drop-off systems that reward users with small monetary or non-monetary benefits for correctly disposing of items.	The concept of rewarding residents for waste reduction behaviour is included in the draft actions for the updated plan.
2529	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What specific incentives can be provided to encourage individuals and communities to participate in sustainable solid waste management practices, such as recycling or composting?	Community Recognition: Launch programs to recognize and reward neighborhoods or communities for high participation rates, such as public awards or community grants for local projects.	The concept of recognizing residents for waste reduction behaviour is included in the draft actions for the updated plan.
2530	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What specific incentives can be provided to encourage individuals and communities to participate in sustainable solid waste management practices, such as recycling or composting?	Educational Programs: Provide free workshops, webinars, and events on solid waste management and offer small incentives (e.g., gift cards, free compost bins) to attendees.	This idea was considered as a potential action and was incorporated into the options analysis process.
2531	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What specific incentives can be provided to encourage individuals and communities to participate in sustainable solid waste management practices, such as recycling or composting?	Social Incentives: Create community-led initiatives like "Recycling Parties" or competitions that gamify recycling and composting to make participation engaging and fun.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2532	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can Indigenous knowledge and values of sustainability be effectively integrated into Metro Vancouver's waste management system while advancing reconciliation goals?	Indigenous Advisory Council: Establish an advisory council comprising Indigenous leaders to guide solid waste management strategies and ensure alignment with Indigenous values and cultural practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
2533	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can Indigenous knowledge and values of sustainability be effectively integrated into Metro Vancouver's waste management system while advancing reconciliation goals?	Knowledge-Sharing Workshops: Organize workshops where Indigenous communities share traditional ecological knowledge with policymakers, businesses, and residents to incorporate holistic and sustainable approaches.	This idea was considered as a potential action and was incorporated into the options analysis process.
2534	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can Indigenous knowledge and values of sustainability be effectively integrated into Metro Vancouver's waste management system while advancing reconciliation goals?	Economic Collaboration: Partner with Indigenous businesses and communities on initiatives such as composting programs, organic waste-to-energy projects, and sustainable materials manufacturing.	This idea was considered as a potential action and was incorporated into the options analysis process.
2535	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can Indigenous knowledge and values of sustainability be effectively integrated into Metro Vancouver's waste management system while advancing reconciliation goals?	Joint Projects: Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects.	This idea was considered as a potential action and was incorporated into the options analysis process.
2536	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can Indigenous knowledge and values of sustainability be effectively integrated into Metro Vancouver's waste management system while advancing reconciliation goals?	Educational Integration: Include Indigenous perspectives on sustainability in public education campaigns and school curriculums to foster awareness and respect for these values.	This idea was considered as a potential action and was incorporated into the options analysis process.
2537	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What role can AI and technology play in making waste sorting and recycling more accessible for residents who face barriers, such as language or physical limitations?	AI-Powered Waste Sorting: Implement AI-based sorting facilities that reduce the burden on residents by automatically separating recyclable, compostable, and non-recyclable waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
2538	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What role can AI and technology play in making waste sorting and recycling more accessible for residents who face barriers, such as language or physical limitations?	Multilingual Sorting Apps: Develop apps with AIdriven image recognition that allow users to scan waste items and receive clear, multilingual instructions on how to dispose of them.	This idea was considered as a potential action and was incorporated into the options analysis process.
2539	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What role can AI and technology play in making waste sorting and recycling more accessible for residents who face barriers, such as language or physical limitations?	Voice Command Integration: Incorporate voice assistant technologies (e.g., Alexa or Google Assistant) to answer solid waste management questions, providing hands-free accessibility for individuals with disabilities.	This idea was considered as a potential action and was incorporated into the options analysis process.
2540	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What role can AI and technology play in making waste sorting and recycling more accessible for residents who face barriers, such as language or physical limitations?	Barcode and RFID Systems: Introduce barcodes or RFID tags on products that residents can scan to get disposal instructions, improving confidence in waste sorting.	This idea was considered as a potential action and was incorporated into the options analysis process.
2541	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What role can AI and technology play in making waste sorting and recycling more accessible for residents who face barriers, such as language or physical limitations?	Smart Bins: Deploy smart bins with built-in AI that identify waste types and direct residents on proper disposal or automatically sort the waste.	This idea was considered as a potential action and was incorporated into the options analysis process.
2542	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	What role can AI and technology play in making waste sorting and recycling more accessible for residents who face barriers, such as language or physical limitations?	Community Education: Use augmented reality (AR) or interactive tools in educational campaigns to teach residents how to sort waste properly, making learning more engaging and accessible	Metro Vancouver will consider this feedback in future engagement and outreach.
2543	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barrier identified	The "bag it and ship it" method of food waste management remains dominant, emphasizing the transportation of organic waste to centralized facilities. This approach creates logistical inefficiencies, increases carbon footprints, and adds costs, especially in regions with limited access to centralized systems.	This idea was considered as a potential action and was incorporated into the options analysis process.
2544	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenge identified	While local organic waste processing methods are cost-effective, they often lack the infrastructure and scalability of centralized systems. Conversely, centralized systems incur significant transportation and operational costs, creating a disparity between the economic and environmental sustainability of both approaches	This idea was considered as a potential action and was incorporated into the options analysis process.

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2545	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Implementation of decentralized carbonization units to manage food waste at the local level.	This idea was considered as a potential action and was incorporated into the options analysis process.
2546	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Integration of AI technology to analyze, predict, and optimize food redistribution, ensuring edible surplus food reaches those in need and waste streams are efficiently managed.	The concept of improving data on food waste reduction is considered in draft strategies and actions for the updated plan.
2547	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Hybrid models combining local and centralized systems to balance cost-effectiveness with scalability.	Metro Vancouver will consider scalability when developing strategies and actions for an updated plan.
2548	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Impact	Adopting these solutions is expected to reduce the environmental impact of food waste, lower overall organic waste management costs, and increase the accessibility of surplus food for redistribution.	This idea was considered as a potential action and was incorporated into the options analysis process.
2549	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Impact	Furthermore, local carbonization promotes circular economy practices by converting waste into reusable products, fostering sustainable development. Integrating AI into the process ensures data-driven decisionmaking, enhancing efficiency and resource utilization.	This idea was considered as a potential action and was incorporated into the options analysis process.
2550	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers identified	Lack of awareness on the impact of solid waste on society is a growing concern.	This idea was considered as a potential action and was incorporated into the options analysis process.
2551	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers identified	Lack of interest in maintaining recycling habits.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2552	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers identified	Lack of accurate data to show the environmental impact when we do recycling.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2553	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	Educating the public on proper waste disposal, waste management and recycling.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2554	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	User experience and accessibility	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2555	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	Motivating the community towards a new culture of zero waste	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2556	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	Centralizing all services and resources onto one app	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2557	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	Cooperation and cohesiveness between companies	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2558	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	Resistance from businesses due to lack of incentives.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2559	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	Consumers unaware of impact of improper waste and recycling disposal	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2560	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	Fundraising (crowdfunding, government grants, donations)	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2561	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Ucycle program and service with a user-friendly app and website	Metro Vancouver will consider the use of technology when developing strategies and actions for an updated plan.
2562	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Educate and re-educate the public on proper solid waste and recycling disposal	Several draft actions for the plan include the concept of recycling education.
2563	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Provide ongoing and detailed data and analytics on waste reduction information to increase transparency with residents of the community and businesses/organizations.	This idea was considered as a potential action and was incorporated into the options analysis process.
2564	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Impact	Reduction of Waste and increase of proper recycling	This idea was considered as a potential action and was incorporated into the options analysis process.
2565	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Impact	Increase of Community Engagement and Accountability	This idea was considered as a potential action and was incorporated into the options analysis process.

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2566	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Impact	Overall reduced carbon footprint and a cleaner city	This feedback is specific to the Bioloop Hackathon.
2567	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers identified	Vulnerable Individuals: Struggle with mobility, time, or cost to sort and recycle properly.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2568	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers identified	Knowledge Gaps: Unaware of reusable packaging systems or complex recycling rules.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2569	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barriers identified	Overburdened Individuals: High responsibility placed on individuals without enough resources	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2570	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	Enhanced Accessibility: Provide staff or volunteers to assist vulnerable individuals with sorting and recycling tasks. Door collection.	This feedback is specific to identifying challenges within the context of the Bioloop Hackathon.
2571	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	Responsibility Shift: Transfer the burden of proper recycling from individuals to governments, municipalities, or strata organizations for better system management.	This feedback is specific to identifying challenges within the context of the Bioloop Hackathon.
2572	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Challenges identified	AI Integration: Leverage AI to handle waste sorting, eliminating the need for users to decipher guidelines or search online, making the process seamless and efficient. Improve the waste wizard. Add features of image, voice analysis	This feedback is specific to identifying challenges within the context of the Bioloop Hackathon.
2573	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	EcoSnap: A one-stop application for education, accessibility support and rewards for sustainable-focused users.	This feedback is specific to a proposed solution of the Bioloop Hackathon. Elements of this solution were considered as a potential action and incorporated into the options analysis process.
2574	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Education: Use EcoSnap AI to scan and sort waste easily at home. Instant guidance removes confusion and saves time.	This feedback is specific to a proposed solution of the Bioloop Hackathon. Elements of this solution were considered as a potential action and incorporated into the options analysis process.
2575	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Municipal and Community Support: Establish volunteer programs that recruit and train individuals to assist people with disabilities or those less privileged in performing recycling and trash-sorting duties.	This idea was considered as a potential action and was incorporated into the options analysis process.
2576	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Business Responsibilities: Apartment Complexes and Residential Communities: Residential management (e.g., strata councils) should mandate staff or services dedicated to assisting residents with disabilities or limited resources in trash collection and recycling.	This idea was considered as a potential action and was incorporated into the options analysis process.
2577	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Supermarkets and Retail Stores: Provide accessible and convenient disposable recycling bins in residential areas or centralized locations, such as near gas stations.	This idea was considered as a potential action and was incorporated into the options analysis process.
2578	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Government Initiatives: Hire individuals from diverse backgrounds to lead regular informational sessions and events at apartment complexes or residential community spaces, educating residents on proper recycling and sorting practices.	This idea was considered as a potential action and was incorporated into the options analysis process.
2579	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Solution, Idea or Action Proposed	Rewards: Rewards for consistent checking items on recycling, such as points or cashback, through seamless integration with deposit-refund systems	This idea was considered as a potential action and was incorporated into the options analysis process.
2580	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barrier to entry for the public?	A lack of understanding about the technology (e.g., decentralized carbonization units or Aibased redistribution systems) could deter public participation.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2581	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barrier to entry for the public?	Public awareness campaigns and workshops will be crucial to educate communities about the benefits and how to use these systems effectively.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2582	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barrier to entry for the public?	If decentralized carbonization units are installed in community centers or shared spaces (rather than individual homes), public participation is more likely due to shared responsibility and reduced personal effort.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2583	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barrier to entry for the public?	Integration into existing solid waste management systems (e.g., curbside organic collection) will help reduce barriers.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.

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2584	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Barrier to entry for the public?	Encouraging people to separate organic waste or participate in food redistribution programs may require a cultural shift, which could initially pose a challenge. Incentives (e.g., community rewards, cost savings) could help ease the transition.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2585	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Cost and materials involved?	Decentralized Carbonization Units Cost: The cost of implementing small-scale carbonization units will depend on their size and technology. Initial investment could be significant, but over time, the reduced transportation and operational costs might offset this expense. Around $400 for each waste to carbon device. Materials: The units will require hightemperature-resistant materials for processing waste into biochar, as well as energy sources (e.g., solar, electric). A focus on renewable energy sources could make them more sustainable.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2586	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Cost and materials involved?	AI Integration: Cost: Developing AI tools for food redistribution or solid waste management could involve significant initial costs, including software development, data collection, and ongoing system maintenance. Infrastructure: The cost of integrating AI with waste collection systems (e.g., apps, databases, sorting technologies) would need to be covered by government funding, private sector collaboration, or grants.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2587	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Cost and materials involved?	Hybrid Models: Cost: Establishing hybrid systems may involve investments in both local and centralized infrastructure. However, these costs could be mitigated through partnerships with existing solid waste management services and community programs. Materials: Infrastructure will require durable, recyclable, and low-maintenance materials to ensure long-term use.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2588	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Will every home need “AI”?	No, every home will not need to have AI installed. The proposed AI integration would function at a system-wide level rather than on an individual household basis:	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2589	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Will every home need “AI”?	Community-Level AI: -AI systems could be centralized in municipal solid waste management facilities or as part of community-level solid waste processing centers. -Residents could use an AI-powered app or a barcode/RFID system to get guidance on waste sorting and food redistribution without requiring individual AI installations.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2590	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Will every home need “AI”?	Decentralized Carbonization Units and AI: These units would operate independently of AI at the local level but could still benefit from centralized AI systems that manage logistics and optimize their operations.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2591	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	Will every home need “AI”?	Household Interaction with AI: The public's interaction with AI would be minimal and likely app based. For instance, residents could use a smartphone app to scan items and get instructions for disposal, eliminating the need for every home to have its own AI device.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2592	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to bridge the digital divide?	Community Hubs for Access: -Set up kiosks or stations at public libraries, community centers, or recycling drop-off locations where individuals can access the app and services. -Provide staff or volunteers to assist those who need help using the technology.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2593	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to bridge the digital divide?	Offline Solutions: -Distribute printed materials (e.g., brochures, posters, calendars) with essential solid waste management information, including proper disposal methods, schedules, and resources. -Develop a toll-free hotline for those without digital access to receive guidance and information.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.

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2594	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to bridge the digital divide?	Partnerships: -Partner with local organizations to host in-person workshops, educate the public, and provide hands-on assistance. -Work with nonprofits or government programs to distribute affordable smartphones or internet access to lowincome households.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2595	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to assist those that will not use the app?	Door-to-Door Engagement: Employ or train community ambassadors to visit households, distribute information, and assist with solid waste sorting and management.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2596	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to assist those that will not use the app?	Physical Resources and Tools: Provide physical guides, color-coded bins, or stickers with clear instructions on solid waste disposal and recycling practices.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2597	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to assist those that will not use the app?	Local Events and Workshops: -Host community events like recycling fairs or workshops to educate residents in a face-to-face setting. -Offer incentives (e.g., small gifts or discounts) for participation to encourage engagement.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2598	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to assist those that will not use the app?	Traditional Media Campaigns: -Use radio, television, and local newspapers to disseminate information about waste management and recycling programs.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2599	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to balance the carrot and stick approach?	Rewards for Positive Behavior: Introduce a points-based reward system for households or businesses that consistently sort and recycle waste properly. Points could be exchanged for discounts, vouchers, or community recognition.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2600	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to balance the carrot and stick approach?	Tax Benefits: Offer tax rebates or reductions for businesses and organizations that adopt sustainable solid waste practices.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2601	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to balance the carrot and stick approach?	Community Recognition: Highlight topperforming individuals, businesses, or neighborhoods in newsletters or community events to motivate others.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2602	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to balance the carrot and stick approach?	Warnings First: Begin with warnings or educational notices for improper disposal rather than immediate penalties.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2603	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to balance the carrot and stick approach?	Fines for Repeat Offenses: Impose fines on individuals or businesses that repeatedly fail to comply with proper waste management practices.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2604	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to balance the carrot and stick approach?	Monitoring and Feedback: Use data analytics to track progress and provide feedback, ensuring penalties are fair and based on clear evidence of noncompliance.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2605	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How to balance the carrot and stick approach?	Transparent Communication: -Clearly communicate the reasons behind both rewards and penalties to ensure public understanding and acceptance. Emphasize that the goal is environmental improvement, not punishment.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2606	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can we ensure EcoSnap is accessible to all individuals, especially those without smartphones or internet access?	Alternative Access Points: EcoSnap could be integrated into community kiosks, libraries, and recycling centers where individuals can access its features using public devices.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2607	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can we ensure EcoSnap is accessible to all individuals, especially those without smartphones or internet access?	Offline Tools: For individuals without smartphones, printed QR codes or recycling guides could help them identify proper sorting procedures, with accessible instructions on physical media.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2608	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How can we ensure EcoSnap is accessible to all individuals, especially those without smartphones or internet access?	In-Person Assistance: Volunteer programs or government initiatives can complement the app by offering hands-on support for individuals who cannot access or use EcoSnap.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2609	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How does AI integration enhance accessibility and efficiency?	AI Waste Wizard: EcoSnap's AI could use image and voice recognition to help users identify and sort solid waste items easily, removing the need for complicated manual sorting.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2610	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How does AI integration enhance accessibility and efficiency?	Predictive Features: AI could predict patterns in waste disposal and recommend tailored solutions for households or communities to reduce waste.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.

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2611	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How does AI integration enhance accessibility and efficiency?	Seamless User Experience: AI tools eliminate confusion by offering instant, personalized guidance, making the recycling process intuitive and stress-free.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2612	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How will vulnerable individuals be supported in waste sorting and recycling?	Volunteer Programs: Municipalities and community organizations could develop volunteer initiatives to assist individuals with disabilities, mobility challenges, or time constraints.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2613	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	Public members-at-large	How will vulnerable individuals be supported in waste sorting and recycling?	On-Site Staff: Residential management (e.g., strata councils) could hire or train staff to help residents with sorting and recycling tasks.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2614	7-Dec-24	Hackathon – Case Competition Notes	Bioloop Foundation	NGO/non-profit and environmental stewardship groups	How will vulnerable individuals be supported in waste sorting and recycling?	Door-to-Door Support: Establish systems for door-to-door waste collection for individuals with mobility issues or other barriers.	This feedback is specific to identifying implementation considerations within the context of the Bioloop Hackathon.
2615	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Things centred around soft plastic collection at the curb would be a good thing just for home residents. For healthcare: -Infrastructure/space for segregated bins. -This would help solve the problem in healthcare of having enough space to segregate instead of dumping it all in garbage.	This idea was considered as a potential action and was incorporated into the options analysis process.
2616	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	There's been success in recycling across acute and long-term care sites for Providence, but some acute sites face contamination issues. It's worth considering vulnerabilities and mitigating risks in infrastructure developments. Sorting remains a key issue, whether at healthcare sites or during collection. Solutions need to address these gaps, possibly through collaboration with Metro Vancouver and waste haulers.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2617	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Lack of space is a major barrier for segregating waste at healthcare sites. It's not something Metro Vancouver currently supports at the service level but could involve partnerships with waste haulers to better sort materials.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2618	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	There's also the challenge of perceptions around healthcare waste being more hazardous than it actually is. Even though packaging might say 'medical' or use medical terms, it doesn't necessarily mean it's contaminated or biohazardous. Stigmas come into play when staff assume everything goes to incineration rather than recycling.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2619	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	There's a lot of disappointment that many recyclable materials aren't accepted due to medical waste labelling. Facilities are making efforts to sort materials, but mixed recycling is still being rejected due to labelling on materials, such as "bio-hazardous" etc. It's unclear what actions can be taken to resolve this, but guidance from Metro Vancouver would be helpful. Are there any action plans to get mixed recycling accepted again?	Metro Vancouver will continue to reach out to the healthcare sector to share information.
2620	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	There's interest in exploring ways to recycle sterile, prepackaged medical equipment waste. Packaging that includes medical terms often isn't biohazardous but is not being taken by haulers due to safety concerns. Collaborative efforts to understand what types of packaging are recyclable and integrate those changes into procurement decisions would help. Metro Vancouver can provide subject matter expertise on acceptable packaging	This idea was considered as a potential action and was incorporated into the options analysis process.
2621	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	At Vancouver Coastal Health, we've had conversations with Metro Vancouver about compacted loads from facilities. One idea is to have smaller regional sorting facilities for medical waste. This could allow us to separate and manage materials locally before they go to incineration or elsewhere.	This idea was considered as a potential action and was incorporated into the options analysis process.
2622	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Standardization across health authorities would be helpful. Everyone is doing their own thing to increase diversion rates, but a unified approach could make things more efficient.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2623	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	Now, especially post-COVID, recycling is being incinerated. For some sites, it's difficult to get back into recycling. For example, acute waste is incinerated now, even though only 15% is truly biohazardous.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2624	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region?	We need Metro Vancouver to study healthcare waste (for example, by performing waste audits) to better understand the composition of the material. Auditing waste at the source and getting feedback on what is being rejected and why could help us improve. Blanket bans on recycling from certain sites make it difficult for us to understand what went wrong.	This idea was considered as a potential action and was incorporated into the options analysis process.
2625	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What do you see as the primary challenges or barriers we face in planning for future infrastructure and systems for waste management across the region?	Space is the most significant challenge. Expanding sorting services on-site is no longer feasible. Centralized sorting facilities would allow health authorities to collaborate and achieve shared goals.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2626	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What do you see as the primary challenges or barriers we face in planning for future infrastructure and systems for waste management across the region?	Health authority space is being repurposed into clinical space, and that is reducing waste sorting space and creating logistical challenges. Collaboration with municipal and regional stakeholders to establish a centralized facility would help reduce carbon footprints while improving waste management.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2627	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What do you see as the primary challenges or barriers we face in planning for future infrastructure and systems for waste management across the region?	Population growth means rooms previously used for sorting are now satellite clinics. With healthcare waste management now in-house due to Bill 47, there's an opportunity to create a consolidated recycling center for all health authorities.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2628	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What do you see as the primary challenges or barriers we face in planning for future infrastructure and systems for waste management across the region?	Perceptions are a huge barrier. The focus should be on waste auditing to understand what can be accepted for recycling. Without this, planning for recycling infrastructure becomes unrealistic.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2629	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What do you see as the primary challenges or barriers we face in planning for future infrastructure and systems for waste management across the region?	Everyone is siloed in their recycling efforts. A standardized or consolidated approach would make financial and logistical sense. A guiding principle or governing body to provide direction on what health authorities should do would be helpful.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2630	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What do you see as the primary challenges or barriers we face in planning for future infrastructure and systems for waste management across the region?	Everyone has the same outcome in mind, but approaches differ. Standardization is key, and guidance from Metro Vancouver on best practices would help unify waste management efforts.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2631	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What do you see as the primary challenges or barriers we face in planning for future infrastructure and systems for waste management across the region?	Materials are being rejected for recycling because of warning labels that cause confusion or fear at waste facilities. Labels like "hazardous waste" are problematic, even when they're on empty containers that are actually recyclable.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2632	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What do you see as the primary challenges or barriers we face in planning for future infrastructure and systems for waste management across the region?	Regulatory challenges force biomedical waste to cross borders for disposal. Transparency from waste haulers about contamination and site-specific bans is necessary for targeted education and improvement.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2633	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What is working well and should not be changed when thinking of infrastructure and systems for waste management across the region? What is going well and could be expanded on?	Transparency and education are working well. Facility tours provided a clearer understanding of waste management and recycling processes. Expanding these educational opportunities would make a big difference.	This idea was considered as a potential action and was incorporated into the options analysis process.
2634	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What is working well and should not be changed when thinking of infrastructure and systems for waste management across the region? What is going well and could be expanded on?	Collaboration between Metro Vancouver and health authorities has been a positive step. Standardized segregation solutions that work across all health authorities could make a significant impact, especially in addressing general waste, which makes up 70% of total waste.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2635	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What is working well and should not be changed when thinking of infrastructure and systems for waste management across the region? What is going well and could be expanded on?	Relationships with vendors and among health authorities are strong. Vendors have been helpful in supporting waste diversion goals, and collaboration ensures shared progress. There's a clear commitment to change despite challenges.	This feedback pertains to what is working well within health authorities and their vendors.
2636	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What is working well and should not be changed when thinking of infrastructure and systems for waste management across the region? What is going well and could be expanded on?	Partnerships between health authorities and Metro Vancouver have been instrumental. Adhering to Metro Vancouver's regulations and learning from successful diversion strategies has created a sense of alignment and progress.	Metro Vancouver will continue to implement initiatives of this type.
2637	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What is working well and should not be changed when thinking of infrastructure and systems for waste management across the region? What is going well and could be expanded on?	Everyone on this call is aligned in their goals, which fosters easier collaboration. Regular meetings through forums like Waste Tech, help keep health authorities on track.	Metro Vancouver will consider this feedback when implementing the plan.
2638	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What is working well and should not be changed when thinking of infrastructure and systems for waste management across the region? What is going well and could be expanded on?	Partnership efforts, such as facility tours, have been eye-opening. Expanding collaboration by inviting Metro Vancouver staff to hospitals to see waste generation firsthand would provide valuable insights.	Metro Vancouver will continue to work with the healthcare sector to share information.
2639	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What is working well and should not be changed when thinking of infrastructure and systems for waste management across the region? What is going well and could be expanded on?	Ministry funding for specific streams, like PPE recycling, has driven progress. Metro Vancouver's residential recycling program offers a model that could be scaled to healthcare, especially for organics and broader recycling streams.	Metro Vancouver will continue to implement initiatives of this type.
2640	9-Dec-24	Focus Group Notes	Lower Mainland Health Organization Waste Management Teams	Government agencies and health authorities	What is working well and should not be changed when thinking of infrastructure and systems for waste management across the region? What is going well and could be expanded on?	The ongoing collaboration and innovation within the community are highlights. Continued development of programs, new vendor engagement, and the collective effort to reduce waste are creating impactful outcomes.	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is one of the guiding principles of the updated solid waste management plan.
2641	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What do you see as potential barriers to expanding inclusive programs and services?	Identifying the diverse needs of all groups.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2642	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What do you see as potential barriers to expanding inclusive programs and services?	Accessibility issues with waste bins, such as heavy lids that people with mobility challenges cannot open.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2643	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What do you see as potential barriers to expanding inclusive programs and services?	Lack of awareness about available resources and information on Metro Vancouver's website.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2644	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What roles do businesses, the waste management industry, not-for-profits, and community organizations play in expanding inclusive programs and services?	Businesses and organizations need to engage with affected communities for input during program expansion.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2645	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What roles do businesses, the waste management industry, not-for-profits, and community organizations play in..?	Balancing business needs and costs with community feedback is crucial.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2646	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What roles do businesses, the waste management industry, not-for-profits, and community organizations play in..?	Businesses, especially major waste management providers, should be more familiar with Metro Vancouver's practices and collaborate on education efforts.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2647	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What roles do businesses, the waste management industry, not-for-profits, and community organizations play in..?	Cross-promotion and collaboration across regions are critical to improving accessibility to information.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.

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2648	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	In what ways could Metro Vancouver collaborate with others more effectively to expand inclusive programs and services?	Trial new programs at Metro Vancouver housing sites to understand what works before regional rollout.	This idea was considered as a potential action and was incorporated into the options analysis process.
2649	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	In what ways could Metro Vancouver collaborate with others more effectively to expand inclusive programs and services?	Improve infrastructure, like providing accessible garbage bins and cardboard disposal options.	This idea was considered as a potential action and was incorporated into the options analysis process.
2650	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	In what ways could Metro Vancouver collaborate with others more effectively to expand inclusive programs and services?	Address illegal dumping by including housing sites in bulk item collection programs offered in municipalities.	This idea was considered as a potential action and was incorporated into the options analysis process.
2651	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	In what ways could Metro Vancouver collaborate with others more effectively to expand inclusive programs and services?	Strengthen partnerships with municipalities and ensure coordinated communication.	This idea was considered as a potential action and was incorporated into the options analysis process.
2652	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	In what ways could Metro Vancouver collaborate with others more effectively to expand inclusive programs and services?	Provide accessible and visible educational resources tailored to regional needs.	This idea was considered as a potential action and was incorporated into the options analysis process.
2653	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What is working well and should not be changed? What should be expanded on...?	Popular campaigns like the “Food Scraps” videos are well-received.	Metro Vancouver will continue to implement initiatives of this type.
2654	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What is working well and should not be changed? What should be expanded on...?	Enhance public awareness of the Solid Waste Management Plan.	Metro Vancouver will continue to implement initiatives of this type.
2655	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What is working well and should not be changed? What should be expanded on...?	Consider offering low-cost pickup services to help residents manage bulky items, which could also fund infrastructure improvements.	Metro Vancouver will consider bulky items when developing strategies and actions for an updated plan.
2656	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What is working well and should not be changed? What should be expanded on...?	Waste reduction campaigns are widely recognized and impactful.	Metro Vancouver will continue to implement initiatives of this type.
2657	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What is working well and should not be changed? What should be expanded on...?	Recycling toolkits are valuable but underutilized; expand promotion for better awareness.	Metro Vancouver will consider this feedback in future engagement and outreach.
2658	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What is working well and should not be changed? What should be expanded on...?	The Regional Food Recovery Network should be emphasized due to its relevance in the current economic climate.	Metro Vancouver will consider this feedback in future engagement and outreach.
2659	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What types of information would be most helpful for further understanding..?	Clearer communication about inclusive programs through multiple platforms.	Metro Vancouver will consider this feedback in future engagement and outreach.
2660	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What types of information would be most helpful for further understanding..?	Cross-promotion on municipal websites to ensure visibility, e.g., Metro Vancouver Solid Waste information on City of Coquitlam’s website.	Metro Vancouver will consider this feedback in future engagement and outreach.
2661	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What types of information would be most helpful for further understanding..?	Improved accessibility of website resources to address user challenges in finding information. Currently the website is not very use-friendly	This idea was considered as a potential action and was incorporated into the options analysis process.
2662	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What are some ways to engage with Metro Vancouver residents?	Collaborate with regions to feature Metro Vancouver programs on local platforms.	Metro Vancouver will consider this feedback in future engagement and outreach.
2663	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What are some ways to engage with Metro Vancouver residents?	Use cross-promotions to increase visibility in different communities.	Metro Vancouver will consider this feedback in future engagement and outreach.
2664	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What are some ways to engage with Metro Vancouver residents?	Organize waste management activities tied to community events for greater participation.	Metro Vancouver will consider this feedback in future engagement and outreach.
2665	9-Dec-24	Interview Notes	Metro Vancouver Staff	Local Government	What are some ways to engage with Metro Vancouver residents?	Avoid standalone waste management pop-ups; instead, integrate them into larger, existing events.	Metro Vancouver will consider this feedback in future engagement and outreach.
2666	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	De-packaging facilities are needed closer to where waste is generated to cut down on labour and transportation costs. Waste is currently transported long distances because of the labour involved and the nature of the business.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2667	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	Contamination rates are a significant barrier. It's hard to get consumers to sort properly, and this leads to unacceptable contamination rates for haulers. Even with efforts to recycle at the front of the house, if a recycling hauler picks it up and it's contaminated, it might not even get recycled. This adds costs for owner-operators and creates risks of greenwashing claims. Businesses are saying they're recycling, but contaminated materials don't actually make it to recycling plants. There's a need for support to help businesses navigate these issues, whether it's through haulers or better consumer education.	This idea was considered as a potential action and was incorporated into the options analysis process.
2668	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	Small food businesses on main streets are struggling. They don't have the same access to recycling, particularly organics. One issue is the lack of space for bins because of city-imposed limits. Cost is another big issue. Collection costs money, and small businesses with low volumes don't have the resources to access proper collection. Some have even mentioned resorting to putting their waste into residential bins because it's easier.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2669	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	The recycling system's efficiency is a concern. There's a lack of transparency and control over the entire journey of materials from collection to end markets. Without clear visibility into costs and results, it becomes harder for producers to engage.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2670	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	Access to recycling and organics isn't consistent across locations. Small retailers face unique challenges. It's not always clear how materials are handled throughout their lifecycle. There's a need to look at the entire stream, including transportation and processing, to improve understanding and efficiency.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2671	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	Accessibility to organics facilities is an issue. Materials are transported further than necessary, whether for de-packaging or sorting. This isn't efficient.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2672	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	More circular systems are needed. For example, compost should be reintegrated into local systems to promote local sourcing.	This idea was considered as a potential action and was incorporated into the options analysis process.
2673	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	Education on recycling needs to improve. Even internally, teams spend a lot of time discussing what is and isn't recyclable. Labelling schemes like "how to recycle" aim to help, but they add to the confusion. This affects system efficiency and increases costs.	This idea was considered as a potential action and was incorporated into the options analysis process.
2674	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	Waste prevention needs more focus, whether it's reducing food waste or minimizing what needs recycling. Sharing best practices on what works and doesn't work would be helpful, particularly in a pre-competitive space like the RCC does for food waste reduction.	This idea was considered as a potential action and was incorporated into the options analysis process.
2675	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	There are issues with haulers. Franchisees are stuck with five-year contracts that auto-renew and offer no transparency. Costs for recycling and composting are extremely high. There's a need for more transparency from haulers.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2676	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	Simplifying packaging requirements would make recycling more manageable for businesses and upstream operations.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2677	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	Regional inconsistencies in organics and recycling services create confusion. Some areas offer better options, like diverting food waste to farms instead of composting. Having centralized, accessible information about available diversion methods would help businesses.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2678	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	As Metro Vancouver updates the plan, what ideas and actions can build on our success to increase participation in waste prevention initiatives, organics, and recycling programs?	Billing arrangements with haulers make it hard for businesses to size their services appropriately and reduce waste effectively.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2679	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Programs like the Loop Program, which connects food waste to farmers, are good examples of collaboration. Looking for opportunities to expand on this and support models like this would help.	This idea was considered as a potential action and was incorporated into the options analysis process.
2680	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	A centralized hub for sharing best practices is key. It would encourage conversations between groups that might not otherwise connect. A space for exchanging ideas on what's working and what would not encourage innovation.	This idea was considered as a potential action and was incorporated into the options analysis process.
2681	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Education for residents is crucial. Providing a constant feedback loop like reminders about what is recyclable, creates better efficiencies in the system. People generally want to do the right thing but often don't know what that is.	Several draft actions for the plan include the concept of improving education and outreach.
2682	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Education is essential, both in terms of guiding behaviour and sharing positive progress. For example, communicating reductions in organics in the waste stream can motivate others.	Metro Vancouver will consider the importance of education when developing strategies and actions for an updated plan.
2683	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Businesses need practical resources when new requirements are introduced. Pairing these rules with tools, guides, and examples of how to comply would make it easier for businesses to participate effectively.	This idea was considered as a potential action and was incorporated into the options analysis process.
2684	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Positive stories about recycling success need to be shared to counteract the cynicism people feel. Many are discouraged by statistics like only nine percent of plastic being recycled.	This idea was considered as a potential action and was incorporated into the options analysis process.
2685	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Aligning policies and infrastructure across jurisdictions would reduce the burden on businesses, especially those operating in multiple areas. A consistent framework would make compliance more feasible. Businesses struggle to understand what to do with excess food or waste because of unclear or inconsistent guidelines. Simplifying and clarifying these processes would make participation easier.	This idea was considered as a potential action and was incorporated into the options analysis process.
2686	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Food donation programs have proven to be successful and could be expanded. Partnering with organizations like the Greater Vancouver Food Bank can help make donations more accessible for businesses.	This idea was considered as a potential action and was incorporated into the options analysis process.
2687	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Transparency with haulers is a major issue. There are only three major haulers in Metro Vancouver, and the lack of competition makes it hard to get clear data or competitive pricing.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2688	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	There's also a need to improve access to support for organizations working with charities.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2689	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Clearer, simpler messaging about what is and isn't recyclable would make a difference.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2690	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Governments, including Metro Vancouver, need to clarify what they are accountable for. There's a gap in how consumer behaviour is addressed, and retailers are often unfairly burdened with educating customers at the point of sale.	"Accountability from residents, businesses and governments to prevent waste" is one of the guiding principles of the updated solid waste management plan.
2691	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	Collaboration should focus on targeting areas where participation is lagging. Identifying specific gaps and working directly with those regions or stakeholders would be more effective than broad initiatives.	"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is one of the guiding principles of the updated solid waste management plan.
2692	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	There's a knowledge gap due to the provincial small producer exemption. Small producers who are exempt from certain reporting requirements often don't understand what is recyclable or what the costs and impacts of their choices are. Educating these small entities would help close that gap.	This idea was considered as a potential action and was incorporated into the options analysis process.
2693	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	I thought that the LFHW campaign you ran was great https://lovefoodhatewaste.ca/blogs/	Metro Vancouver will continue to implement initiatives of this type.
2694	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	https://www.walmartsustainabilityhub.com/content/dam/walmart-sustainability-hub/documents/project-gigaton/packaging/walmart-recycling-playbook.pdf its not perfect but its public	Thank you for providing this resource.
2695	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	In what ways could Metro Vancouver collaborate with others more effectively to increase participation in waste prevention initiatives, organics, and recycling programs?	https://goldendesignrules.plasticspact.ca/ this could help too - in terms of education on packaging (also public)	Thank you for providing this resource.
2696	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What is working well and should not be changed when thinking of participation in waste prevention initiatives, organics, and recycling programs? What is going well and could be expanded on?	Education campaigns are a strength in Metro Vancouver. The region does more to educate the public about waste and recycling than most other jurisdictions, creating strong momentum and awareness.	Metro Vancouver will continue to implement initiatives of this type.
2697	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What is working well and should not be changed when thinking of participation in waste prevention initiatives, organics, and recycling programs? What is going well and could be expanded on?	Setting targets for waste prevention and recycling while allowing businesses flexibility in how to meet them works well. Over-regulation or rigid requirements can hinder progress and add unnecessary costs.	This idea was considered as a potential action and was incorporated into the options analysis process.
2698	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What is working well and should not be changed when thinking of participation in waste prevention initiatives, organics, and recycling programs? What is going well and could be expanded on?	Consultations and planning processes like this one are valuable and appreciated by stakeholders.	Metro Vancouver will continue to implement initiatives of this type.
2699	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What is working well and should not be changed when thinking of participation in waste prevention initiatives, organics, and recycling programs? What is going well and could be expanded on?	BC's packaging and paper recycling program is highly successful, with some of the best outcomes in North America. The province is already leading in plastic recycling and is set to roll out a flexible plastics program that will set a new global benchmark.	Metro Vancouver will continue to implement initiatives of this type.
2700	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What is working well and should not be changed when thinking of participation in waste prevention initiatives, organics, and recycling programs? What is going well and could be expanded on?	Residents in Metro Vancouver and BC have a strong sense of responsibility when it comes to waste prevention and recycling. Building on this civic duty can further drive participation.	Metro Vancouver will continue to build on progress in this area.

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2701	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What is working well and should not be changed when thinking of participation in waste prevention initiatives, organics, and recycling programs? What is going well and could be expanded on?	The acceptance of paper cups in blue bin programs is a significant success in BC that stands out compared to other provinces. Similar progress in other areas could help further waste prevention goals.	Metro Vancouver will continue to build on progress in this area.
2702	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What is working well and should not be changed when thinking of participation in waste prevention initiatives, organics, and recycling programs? What is going well and could be expanded on?	Encouraging innovation through adaptable frameworks has been effective. Pushing for perfection too quickly could slow progress, so allowing incremental improvements is key.	Metro Vancouver will continue to build on progress in this area.
2703	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What is working well and should not be changed when thinking of participation in waste prevention initiatives, organics, and recycling programs? What is going well and could be expanded on?	Success stories, such as the high recycling rates in BC compared to other provinces, should be celebrated and communicated widely. Publicizing these achievements can motivate continued engagement.	This idea was considered as a potential action and was incorporated into the options analysis process.
2704	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What is working well and should not be changed when thinking of participation in waste prevention initiatives, organics, and recycling programs? What is going well and could be expanded on?	Collaboration between municipalities and regions has allowed for some alignment in systems and infrastructure, creating more consistency for businesses and residents. This collaboration should continue.	Metro Vancouver will continue to implement initiatives of this type.
2705	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Focus on two aspects: showing the impact of individual actions and reporting back results. When people see their contributions matter, engagement improves.	This idea was considered as a potential action and was incorporated into the options analysis process.
2706	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Engagement needs to start earlier in residents' interactions with packaging. Waiting until the point of sale or disposal makes it harder to educate.	Metro Vancouver will consider this feedback in future engagement and outreach.
2707	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Public cynicism is a challenge. There's a segment of the population that doubts recycling is effective, and it's difficult to change their minds.	"Transparency about what happens to garbage and recycling" is one of the guiding principles of the updated solid waste management plan.
2708	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Social media is a powerful tool, especially for reaching younger audiences. Creative, attention-grabbing content, like short videos, could make a big impact. Viral campaigns might be worth exploring.	This idea was considered as a potential action and was incorporated into the options analysis process.
2709	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Gamifying participation could help. For example, setting a community challenge to raise recycling rates from 65% to 70% could foster collective action.	This idea was considered as a potential action and was incorporated into the options analysis process.
2710	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Competitions or challenges, even between neighborhoods or communities, could make participation more fun.	This idea was considered as a potential action and was incorporated into the options analysis process.
2711	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Highlighting success stories might inspire others to follow suit.	This idea was considered as a potential action and was incorporated into the options analysis process.
2712	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Public-space activities like games or quizzes about recycling could make education more engaging. Social media can also be used to show the lifecycle of materials and demystify recycling processes.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2713	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Stewardship agencies have done effective public messaging campaigns, which could be a model to follow. Building pride in BC's higher recycling rates could keep residents motivated.	This idea was considered as a potential action and was incorporated into the options analysis process.
2714	11-Dec-24	Focus Group Notes	Retail Council of Canada	Food Retailers	What are some ways to engage with Metro Vancouver residents on increasing participation in waste prevention initiatives, organics, and recycling programs?	Identifying underperforming areas and targeting them with focused campaigns would be more effective than blanket messaging. Digital tools can help with precise targets.	This idea was considered as a potential action and was incorporated into the options analysis process.
2715	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Is there anything else not listed here that you always or often do to reduce waste?	Our household is trying to only buy what we need (also trying to instil this value in our kids)	Thank you for taking action to reduce waste!
2716	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Is there anything else not listed here that you always or often do to reduce waste?	Volunteer with Vancouver Food Runners	Thank you for taking action to reduce waste!
2717	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Is there anything else not listed here that you always or often do to reduce waste?	Pay similar amount for smaller portions to avoid waste; and pay more for less impactful comparable products	Thank you for taking action to reduce waste!
2718	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Is there anything else not listed here that you always or often do to reduce waste?	Buy less, buy bulk, buy items with less packaging, buy items with more sustainable packaging	Thank you for taking action to reduce waste!
2719	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Is there anything else not listed here that you always or often do to reduce waste?	Established broad recycling in our co-op housing, and implemented good onsite composting	Thank you for taking action to reduce waste!
2720	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Is there anything else not listed here that you always or often do to reduce waste?	Participate in local online "buy nothing" groups	Thank you for taking action to reduce waste!
2721	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Is there anything else not listed here that you always or often do to reduce waste?	Buy my cleaning products, and some food, at the Soap Dispensary (bringing my own packaging)	Thank you for taking action to reduce waste!
2722	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Is there anything else not listed here that you always or often do to reduce waste?	Carry a mug	Thank you for taking action to reduce waste!
2723	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	The recycling bags for paper cardboard boxes are not big enough for household use to recycle	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2724	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Ready access to places that take specific items, like used batteries, used oil, technology, etc.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2725	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Many items must be taken to transfer station for recycling (e.g., foam packaging)	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2726	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Some cost for beyond the blue box items through private recyclers	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2727	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Soft plastic is the thing I don't know what to do with, other than take it to London Drugs	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2728	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?	Returning soft plastics and other recyclables that are not accepted in blue bins is a challenge	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.

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2729	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Which community members do you think may be having a difficult time with the current programs and services?	Recent immigrants (e.g., education, cultural differences, language accessibility) Individuals who are disabled Climate change deniers Seniors Individuals with mobility issues (e.g., wheelchair) Individuals with a low income (e.g., time and not a priority) Individuals in apartments or high-rise buildings Individuals without a car Anyone who does not have access to current recycling information Busy parents	Metro Vancouver will consider this feedback in future engagement and outreach.
2730	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Additional responses regarding food recovery challenges:	We know that some charities have issues with composting on site (even though they're running a food program). On the food donor side, stores (particularly grocery stores) have a lot of items packaged in recyclable containers that are not sold each day (bakery, deli, processed food, etc.). If a food recovery organization does not collect the food items, they are often thrown directly into the garbage.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2731	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Additional responses regarding food recovery challenges:	Staff at the stores do not have time to recycle the items.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2732	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Additional responses regarding food recovery challenges:	Food recovery organizations are doing a huge service to the community and environment by collecting all the surplus food from hundreds of stores each day (4 organizations—Vancouver Food Runners, Food Stash, Quest Market, and CityReach—together collected approximately 5 million pounds of surplus food in the last 12 months in Vancouver); but we are provided with no financial support from the municipal government.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2733	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Additional responses regarding food recovery challenges:	There is some funding at the provincial level, but it is very limited and not guaranteed each year, plus funding eligibility criteria excludes certain organizations (e.g., Vancouver Food Runners).	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2734	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Additional responses regarding food recovery challenges:	Food recovery organizations are struggling to stay afloat, even though the demand for their recovery services is growing in the food industry (which is positive). More food businesses are wanting to reduce their waste and donate their surplus.	Metro Vancouver will consider these barriers when developing and implementing strategies and actions for the updated plan.
2735	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Language translation to make information accessible for newcomers	This idea was considered as a potential action and was incorporated into the options analysis process.
2736	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Free workshops/programs hosted by schools, community centres, “Welcome to Canada” orientations	This idea was considered as a potential action and was incorporated into the options analysis process.
2737	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Some type of funding mechanism for food recovery organizations to maintain their operations	This idea was considered as a potential action and was incorporated into the options analysis process.
2738	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	More education and incentives for businesses around food waste reduction and food donation options	This idea was considered as a potential action and was incorporated into the options analysis process.
2739	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	The biggest impact would come from cultural norms and teaching them	Several draft actions for the plan include the concept of creating new norms.
2740	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Increase accessibility for programs (e.g., near main transit stations)	Several draft actions for the plan include the concept of making recycling more convenient.
2741	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Education on the importance of keeping things out of landfill—the costs and benefits	This idea was considered as a potential action and was incorporated into the options analysis process.
2742	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Focus on making everything convenient and free	Several draft actions for the plan include the concept of making recycling more convenient.
2743	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Recycling collection option for those that do not have a vehicle	This idea was considered as a potential action and was incorporated into the options analysis process.
2744	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	More flexible scheduling for programs	Several draft actions for the plan include the concept of making recycling more convenient.

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2745	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	Apartments have monthly collection for soft plastics and things that cannot go in bins	Several draft actions for the plan include the concept of making recycling more convenient.
2746	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	What can be done to make the programs and services more inclusive so that they work for everyone?	More compostable containers available	Several draft actions for the plan include the concept of making recycling more convenient.
2747	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Help figure out a funding mechanism for food recovery efforts/orgs; and put more resources into education and awareness around the benefits of food waste reduction for businesses (e.g., saves them money [lowers food and hauling costs], better for the environment, builds team morale, supporting nearby charities with donations, etc.).	This idea was considered as a potential action and was incorporated into the options analysis process.
2748	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Are there other priorities that Metro Vancouver should be considering that are not listed above?	Also, increase awareness of the Food Donor Encouragement Act (liability protection for businesses and organizations that donate their surplus food).	This idea was considered as a potential action and was incorporated into the options analysis process.
2749	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	Please continue enhancing current services while communicating out the benefits to all who are participating	This idea was considered as a potential action and was incorporated into the options analysis process.
2750	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	Study who is not using these services and why before doing anything	This idea was considered as a potential action and was incorporated into the options analysis process.
2751	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	Recycling has created a whole new fleet of trucks that emit carbon. It makes me question what is actually saved. How can recycling be done more efficiently?!	"Make it easier to recycle effectively" is one of the draft goals of the updated solid waste management plan.
2752	13-Dec-24	Survey Open-End Responses	Vancouver Food Runners	NGO/non-profit and environmental stewardship groups	Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	Providing more information to households on reducing food waste	This idea was considered as a potential action and was incorporated into the options analysis process.
2753	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Thank you for the opportunity to participate in the Idea Generation Phase to update MetroVancouver's Solid Waste Management Plan. We appreciate Metro Vancouver's leadership andwork undertaken to date to lay the foundation for this phase by developing the vision, "A thrivingregion where nothing is wasted, and resources are valued," along with the seven guidingprinciples.	Thank you for taking the time to provide a detailed summary of feedback.
2754	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		City of Vancouver staff participated in an internal workshop on November 20, 2024 to discussthe seven Idea Generation questions identified by Metro Vancouver for this phase ofengagement. We're pleased to provide our comments on the Idea Generation Phase, includingideas identified during our staff workshop.	Thank you for taking the time to provide a detailed summary of feedback.
2755	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Vancouver City Council adopted the Zero Waste 2040 Strategic Plan in 2018 to establish a vision for Vancouver to become a zero waste community by 2040. Zero Waste 2040 supports regional waste management goals established by the Integrated Solid Waste and Resource Management Plan to minimize waste generation, and maximize reuse, recycling and material recovery.	Thank you for taking action to reduce waste!

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2756	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		City staff recently provided a five-year update to Vancouver City Council on Zero Waste 2040progress and next steps. This update included identifying the following nine priority action areas to guide Vancouver's waste reduction and circular economy initiatives over the next four years: 1. Long-term planning to manage waste in a changing urban environment 2. Increasing diversion and reuse of construction and demolition waste 3. Preventing wasted edible food 4. Increasing residential participation in existing waste diversion programs 5. Expanding share, reuse and repair activities for all residents 6. Exploring future diversion opportunities at Vancouver Landfill and Vancouver SouthTransfer Station 7. Supporting interventions by other levels of government8. Participating in regional solid waste planning 9. Applying equity lenses to new and existing zero waste initiatives. These priority action areas are reflected in the ideas presented herein, organized according to the seven Idea Generation questions, for Metro Vancouver's consideration to include in the updated solid waste management plan for the region.	Thank you for taking action to reduce waste!
2757	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Develop public dashboard and education campaign. Many residents don't knowwhere to find information about the performance of our regional and provincial recyclingsystems, and don't understand how BC's recycling system is different than otherprovinces. This knowledge gap leads to misunderstandings about the applicability ofnational recycling statistics to BC and the Metro Vancouver region. Metro Vancouvercould play a leadership role in developing a public dashboard that displays progresstowards the region's recycling goals and includes key performance indicators fromRecycleBC, Encorp and other Extended Producer Responsibility (EPR) stewardshipagencies in a single location (instead of relying on the public to check each individualstewardship webpage).	This idea was considered as a potential action and was incorporated into the options analysis process.
2758	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Rolling out the dashboard could be accompanied by a new public education campaign, developed by Metro Vancouver, that highlights key recycling and EPR statistics for the region, explains how recycling works in BC, presents the benefits associated with recycling and informs people about the availability of a new public dashboard with information available all in one place.	This idea was considered as a potential action and was incorporated into the options analysis process.
2759	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Promote economic benefits of recycling systems. Metro Vancouver could collectdata and report on the number of jobs created through investments in recycling systemsand other types of circular business models. Metro Vancouver could explore workingwith Invest Vancouver to undertake this work.	This idea was considered as a potential action and was incorporated into the options analysis process.
2760	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Apply equity lenses to the development of actions included in the updated regional solid waste management plan. Metro may find Vancouver's Equity Framework helpful, which describes what is meant by equity, and identifies four equity lenses: Indigenous rights, racial justice, intersectionality, and systems orientation.	Thank you for providing these definitions.
2761	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Use spatial analysis to identify opportunities to improve equitable access to waste services and facilities. This analysis could include mapping locations of waste services, assets and events in the region (including those owned and operated by external organizations, including various types of EPR drop-off locations), and would help to identify locations for new facilities and pop-up events to ensure access for residents and businesses using public transit and active modes of transportation (e.g. walking, biking). The findings of the spatial analysis can also be used to explore opportunities to enhance service reach to underserved areas by working with contractors, municipalities and other service providers. Spatial analysis of waste services, assets and events can also be layered with demographic data, such as average income levels, language spoken in the home, race and ethnicity, across each neighbourhood in the region. This analysis may help to identify if there are any equity-denied communities under-served by existing waste programs and services. Members can be convened at several points to share data towards undertaking this work, and discuss opportunities to incorporate key findings in the delivery of future municipal and regional services, projects and events.	This idea was considered as a potential action and was incorporated into the options analysis process.

No.	Date	Source/Material	Organization/Group	Sector/ audience	Engagement Question/Sub-topic	Feedback comment/question	MV response
2762	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Collaborate with community groups. Metro Vancouver could work with diversecommunity groups, cultural centres, faith groups and immigration/settlement services toseek input on opportunities to further promote existing and future public education andbehaviour change campaigns to their communities, such as Think Thrice and CreateMemories, Not Garbage.	This idea was considered as a potential action and was incorporated into the options analysis process.
2763	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Develop engagement forums with local First Nations. Metro Vancouver could create and facilitate a discussion forum for solid waste professionals, local First Nations and community groups to share ideas and discuss challenges and opportunities to waste reduction and the transition to a circular economy.	This idea was considered as a potential action and was incorporated into the options analysis process.
2764	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Include annual report data in a public dashboard. Data from Metro Vancouver's annual and biennial reports could be included in the public dashboard described above (see Question 1, Idea 1) to help make KPIs, long-term trends and progress towards regional targets more visible to the public.	This idea was considered as a potential action and was incorporated into the options analysis process.
2765	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Increase audits and enforcement. Metro Vancouver could increase the number ofaudits and randoms checks to ensure compliance with disposal bans.	This idea was considered as a potential action and was incorporated into the options analysis process.
2766	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Pay-by-weight or volume for commercial dumpsters. Metro Vancouver could work with private haulers to explore opportunities for testing pay-by-weight or volume systems for commercial dumpsters, to help encourage the ICI sector to be more accountable for the amount of waste they dispose to landfill or incinerator.	This idea was considered as a potential action and was incorporated into the options analysis process.
2767	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Map projected housing construction and land use changes. Metro Vancouver could play a leadership role in helping municipalities to approach waste management planning in the context of housing construction and land use changes. Mapping projected housing construction would support analysis of where future waste services, assets and events may be needed to serve demand created by concentrated areas of population growth. Awareness of land uses will be important as the region builds more housing and densifies, and land is rezoned as part of these efforts. Industrial land is critical for effective waste management systems, especially for the businesses that enable a circular economy. These businesses often have the greatest environmental benefit, and best chance of succeeding and scaling, when they are located close to the resource flows they seek to reuse, remanufacture or recover. To this end, cities need to protect space for industrial land in urban areas. Metro Vancouver can help to increase awareness of this issue and support municipalities to apply a land use planning lens to waste management planning by working with municipalities to compile the land use data, and identify priorities for protecting industrial land.	This idea was considered as a potential action and was incorporated into the options analysis process.
2768	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Examine zoning by-laws, building codes and other policy. Metro Vancouver could further support members in applying land use planning and development lenses to waste management by undertaking a review of zoning by-laws, building codes and other relevant policy across the region to identify barriers to scaling waste and resource management infrastructure. For example, barriers to citing neighbourhood-level recycling drop-off facilities.	Other ideas with a similar concept were considered as potential actions and were incorporated into the options analysis process.
2769	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Explore opportunities to improve laneway/road traffic and decrease litter from licensed haulers. Metro Vancouver could convene members to share knowledge and identify opportunities to improve these issues, and engage licensed haulers on potential solutions. As the region builds more housing and densifies, these issues may be exacerbated.	This idea was considered as a potential action and was incorporated into the options analysis process.

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2770	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Share waste composition data with the provincial government and EPR stewardship agencies to highlight participation issues. For example, data about the type and quantity of products accepted in EPR programs that are disposed to landfill or incinerator. Sharing this data would help to demonstrate the need for further education and other supportive programs to increase participation in existing EPR stewardship programs. Members are investing municipal budget and resources to address the EPR participation gap. For example, City of Vancouver is developing programs to encourage residents' participation in EPR programs (and other existing reuse and diversion programs), such as our Zero Waste Ambassador program to reduce waste in multi-family buildings.	This idea was considered as a potential action and was incorporated into the options analysis process.
2771	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Focused efforts on multi-family and commercial buildings. Participation in organics and recycling programs tends to be lower in multi-family and commercial sectors. Metro Vancouver could support members to engage these sectors by developing education and behaviour change materials focused on these sectors. Metro Vancouver could also facilitate a workshop with members, private haulers and other stakeholders to explore opportunities for removing barriers and incentivizing these sectors' participation in diversion programs. For example, workshop topics could include opportunities to standardize hauler guidelines for multi-family and commercial buildings.	This idea was considered as a potential action and was incorporated into the options analysis process.
2772	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Explore opportunities to increase recycling consistency across the region. Metro Vancouver could convene members, private haulers, and other stakeholders to discuss opportunities to improve the consistency of recycling streams and signage across all sectors and across the region. Greater consistency would help to reduce residents' confusion about correct recycling participation as they move throughout the region, from where they live to where they work and play. Potential opportunities to explore could include incentives, pilots, regulatory and voluntary measures.	This idea was considered as a potential action and was incorporated into the options analysis process.
2773	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Pilot technologies for reducing contaminants in organics recycling. MetroVancouver should continue to pilot new technologies, in collaboration with members,industry and other stakeholders. A priority area of interest for future pilots is technologythat can help residents and businesses understand what contaminants they'reintroducing to organics recycling, and other diversion streams.	This idea was considered as a potential action and was incorporated into the options analysis process.
2774	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Explore opportunities to increase diversion at regional recycling and waste centres and disposal sites. Metro Vancouver should continue working with members to develop and evaluate pilots to increase diversion throughout the region.	This idea was considered as a potential action and was incorporated into the options analysis process.
2775	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Create online collaboration site for members. Metro Vancouver could help municipalities to collaborate more strategically by creating online infrastructure for sharing information and communicating. For example, a Sharepoint site or Teams channel that municipal staff can be given access to edit and upload documents. This kind of digital infrastructure would help to support effective collaboration on topics such as construction and demolition waste, where inter-municipal working groups have already been developed. To manage risks around data sharing, a training module could be developed that staff must complete before getting access. This concept could also be scaled up to the national level by creating a Sharepoint site or Teams channel hosted by National Zero Waste Council, with municipal staff and other stakeholder participants from across Canada.	This idea was considered as a potential action and was incorporated into the options analysis process.

No.	Date	Source/Material	Organization/Group	Sector/ audience	Engagement Question/Sub-topic	Feedback comment/question	MV response
2776	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Maintain a list of external working groups Metro Vancouver is participating in. Metro Vancouver could help municipalities to understand opportunities for collaboration with the region and other stakeholders by sharing a list of the external working groups in which Metro Vancouver staff are participating (for example, this information could be shared on the Sharepoint site or Teams channel described above). Examples of these working groups include the Canadian Circular Textiles Consortium and Canada Plastics Pact. Greater visibility and awareness would help municipal staff identify where there might be opportunities to share data and input with other stakeholders on a topic area.	This idea was considered as a potential action and was incorporated into the options analysis process.
2777	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Deliver workshop for municipal staff on opportunities to engage other levels of government. Metro Vancouver could help municipalities to understand and navigate the options for sharing data, information and input with other levels of government by developing a workshop for municipal staff wherein local subject matter experts describe the various processes that exist for engaging the Province of BC and Government of Canada (for example, UBCM and FCM, formal consultation processes, etc.), and share examples from past experiences. Metro Vancouver staff could lead the planning and facilitation of this kind of workshop, and also help to compile examples into documented case studies. Workshop resources and case studies could be made available through the Sharepoint site or Teams channel described above.	This idea was considered as a potential action and was incorporated into the options analysis process.
2778	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Facilitate discussion sessions with municipal staff to advance priority actionareas. Metro Vancouver could help municipal staff to collaborate and problem solve byscheduling and facilitating discussion sessions focused on various priority actions areas.These collaboration and problem solving conversations could be scheduled as part ofregular REAC SWSC meetings, or as separate stand-alone meetings. Topics could besuggested and selected using the online collaboration site described above.	This idea was considered as a potential action and was incorporated into the options analysis process.
2779	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Consumption-based emissions inventories (CBEI) with a waste-specific lens. The climate impact of wasteful consumption in a linear economy is a growing area of importance. Related data and metrics are needed to: evaluate the success of waste reduction initiatives in terms of environmental impact; help stakeholders understand the need for waste reduction and transitioning to a circular economy, and understand the types of tools that can be used to drive reduction (e.g. embodied carbon limits, credits, etc.). Metro Vancouver can play a role by reporting an updated regional consumption based emission inventory on a regular basis (e.g. every 3-5 years). However, existing CBEI reporting frameworks do not present results by material stream, which can make it challenging for waste professionals to interpret the results and meaningfully integrate the data with their work streams. For example: the embodied emissions of wasted edible food are not discernible from emissions associated with production and consumption of food that gets eaten. More material-specific granularity in CBEI reporting, with a waste-specific lens, would improve transparency and comprehension. Metro Vancouver can play a leadership role by undertaking the needed research and exploration to develop a methodology for calculating and presenting CBEI results with a waste-specific lens. (e.g. to understand data needs and availability, etc.).	This idea was considered as a potential action and was incorporated into the options analysis process.
2780	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Publish a jurisdiction scan that identifies leading practices for reducing waste andtransitioning to a circular economy. Equipping members and other stakeholders withthis information helps to create awareness of what's possible and encourage discussionabout what policies can be adapted for our region. This information would supportstakeholders with providing feedback on what actions to include in the updated solidwaste management plan for the region.	This idea was considered as a potential action and was incorporated into the options analysis process.

No.	Date	Source/Material	Organization/Group	Sector/ audience	Engagement Question/Sub-topic	Feedback comment/question	MV response
2781	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Publish a research paper on construction and demolition (C&D) waste challenges and opportunities (with a focus on wood). Metro Vancouver could play a leadership role by writing a paper that summarizes information including: projected increases to C&D waste due to housing construction and densification in line with provincial legislation; jurisdiction scan findings on best practices in other places; economic benefits of circular C&D practices; reuse/salvage end markets in the region that have potential to be scaled up; and detailed roles for municipal, regional, provincial and federal levels of government in each area of potential policy. For example, identifying what role each level of government could play to advance a policy area such as increasing use of salvaged wood in structural applications (including modular products). Metro Vancouver could play a leadership role by convening members and other stakeholders to share relevant data and knowledge, and acting as the lead author and publisher. This work Page 8 of 9 supports members to advance C&D policy in their municipalities by resourcing needed background research, instead of each municipality pursuing this work independently.	This idea was considered as a potential action and was incorporated into the options analysis process.
2782	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Host a design charrette that invites stakeholders to create a circular economyplan with the condition that landfilling and incineration are prohibited. This desktopexercise would help to unlock creativity and break down assumptions about what'spossible, and conceive of systems change that addresses the climate emergency, globalplastic pollution, and other urgent environmental issues.	This idea was considered as a potential action and was incorporated into the options analysis process.
2783	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Embed circularity principles in procurement. Metro Vancouver could play aleadership role and support municipalities to adopt circular procurement principles byintegrating circularity into their procurements, especially high profile projects that canhelp to showcase what's possible and be used as case studies to demonstrate possibleco-benefits. A priority for this area of work is using salvaged C&D materials inconstruction of new facilities and assets, especially wood building materials. Sharing theprocurement documents used and data about the costs and benefits for these types ofprojects, and creating templates for certain materials and projects, would supportmunicipalities to also increase circular procurement.	This idea was considered as a potential action and was incorporated into the options analysis process.
2784	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Share information and data with other levels of government. Continue to shareinput, information and data with other levels of government to strengthen existing policyand help develop new policy aligned with the waste hierarchy and circular economyprinciples. For example, on topics such as right to repair, circular textiles, salvagedbuilding materials, recycled content, and reusable cup and container borrowing.	This idea was considered as a potential action and was incorporated into the options analysis process.
2785	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Develop new public education and behaviour change campaigns that targetwaste-generating events. For example, moving to a new home and student move-inand move-out days. Metro Vancouver could work with members to explore opportunitiesto design supportive programs to help reduce waste associated with these events, andtarget program delivery for strategic times, such as month end when renters are morelikely to be moving.	This idea was considered as a potential action and was incorporated into the options analysis process.
2786	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Develop community programs to enable more reuse and recycling. MetroVancouver could build on ongoing efforts to support reuse and recycling by working withmembers, non-profits and other stakeholders to develop community programs, such as avolunteer program to transport bulky items to reuse and recycling facilities, toy libraries,and free swaps.	This idea was considered as a potential action and was incorporated into the options analysis process.

No.	Date	Source/Material	Organization/Group	Sector/ audience	Engagement Question/Sub-topic	Feedback comment/question	MV response
2787	20-Dec-24	Email Submission	City of Vancouver Staff	Member Jurisdiction Staff		Develop a toolkit for encouraging share, reuse and repair in multi-family buildings.Metro Vancouver could help to encourage waste reduction in the multi-family sector bycreating a toolkit focused on events and activities for multi-family residents, includingbuilding free swaps and yard sales. Members could help to promote the toolkit bysharing it with residents through municipal communications channels and at communityoutreach events.	This idea was considered as a potential action and was incorporated into the options analysis process.

This document was updated to remove duplicates and add the MV response column, following the July 2025 Zero Waste Committee and Board meetings. Last updated August 2025.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

To: Zero Waste Committee

From: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

Date: February 20, 2026 Meeting Date: March 5, 2026

Subject: **Solid Waste Management Plan Update – Options Analysis Engagement Summary**

RECOMMENDATION
THAT the GVS&DD Board receive for information the report dated February 20, 2026, titled "Solid Waste Management Plan Update – Options Analysis Engagement Summary".

EXECUTIVE SUMMARY
Metro Vancouver is updating its solid waste management plan, building on its success as a North American leader in waste reduction and recycling. The plan update is supported by a robust and inclusive engagement process. In 2025, Metro Vancouver completed the options analysis phase of engagement to assess and receive feedback on potential strategies and actions resulting from previous research and engagement. Considering options analysis feedback, an initial draft solid waste management plan was developed. The Zero Waste Committee and GVS&DD Board received updates across all phases of the solid waste management plan update, and the GVS&DD Board previously approved components of the updated plan.

The engagement summary report (Reference 1) highlights themes from feedback such as prioritizing reuse and repair, financial incentives, tailored education, accessibility of solid waste services and facilities, and standardized services and regulations. There were also comments to close the Waste-to-Energy Facility, stop the use of landfills, varying opinions on privatization of the regional solid waste system, and comments that recycling statistics should not include energy recovery.

Following options analysis engagement, the public was invited to share their feedback on the engagement process with the Solid Waste Management Plan Independent Consultation and Engagement Panel.

PURPOSE
The purpose of this report is to provide the Zero Waste Committee and GVS&DD Board with information on engagement feedback related to the update of the regional solid waste management plan during the options analysis phase in 2025.

BACKGROUND
In November of 2019 the GVS&DD Board authorized initiating an update of the regional solid waste management plan. Subsequently, a Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) was formed to provide third-party expert advice on the development and implementation of a comprehensive and inclusive engagement process. Pre-engagement was completed in 2021 to receive feedback on how audiences prefer to be involved, and the Solid Waste Management Plan Public/Technical Advisory Committee and the Solid Waste and Recycling Industry Advisory Committee were formed in 2022.

The Zero Waste Committee and GVS&DD Board have received updates across the different phases of the solid waste management plan update, including GVS&DD Board approval of components of the updated plan. In June 2024, the GVS&DD Board approved the vision and guiding principles, and in July 2025, the GVS&DD Board approved the goals and waste hierarchy.

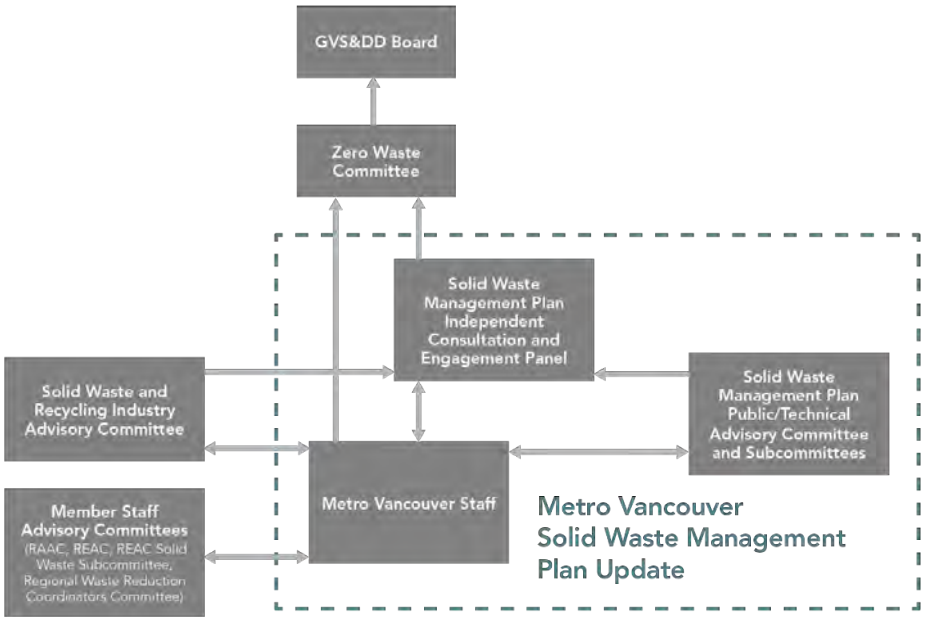
At its November 6, 2025 meeting, the Zero Waste Committee received a preliminary update on the options analysis phase, including feedback from advisory committees and ideas arising from engagement considered unadvisable by staff. This report provides the final engagement summary from the options analysis phase following review of all feedback.

At its February 2026 meeting, the Zero Waste Committee received an overview of the initial draft solid waste management plan, which had been published and distributed to First Nations, member jurisdictions, neighbouring regional districts, and advisory committees for feedback. Feedback on the initial draft will help inform a revised draft plan that will be provided to the Zero Waste Committee and GVS&DD Board. Following review by the GVS&DD Board, the revised draft will be distributed for additional public feedback prior to submission to the Ministry of Environment and Parks for approval.

The following timeline shows the phases of the solid waste management plan update.



The following graphic depicts the various committees that have been involved in providing input to the plan update process over the past five years.



OPTIONS ANALYSIS ENGAGEMENT SUMMARY

The options analysis phase of the solid waste management plan update focused on determining what strategies and actions would be included in the draft updated solid waste management plan. Metro Vancouver engaged with local First Nations and member jurisdictions, neighbouring regional districts, advisory committees, industry sector organizations, and the public to review and receive feedback on a draft list of strategies and actions for the updated solid waste management plan, informed by previous research and engagement feedback.

Feedback helped Metro Vancouver prioritize strategies and actions and revise them to better meet our intended goals while considering potential impacts to residents, businesses, and governments.

Feedback

Metro Vancouver heard from a wide range of audiences including First Nations, member jurisdictions, neighbouring regional districts, advisory committees, key sectors (healthcare, tourism, food, and construction and demolition), not-for-profit organizations, and the public.

The feedback was analyzed and summarized into 12 categories representing common themes. The engagement summary report (Reference 1) highlights the feedback received and Metro Vancouver's response. The feedback log (Reference 2) provides a full record of engagement feedback, including over 4,000 discrete lines of data detailing feedback from each meeting, workshop, event, interview, letter, or email.

Below is a snapshot of the feedback themes, listed alphabetically:

- **Circular Economy and Waste Prevention**
  - Preventing waste at the source by prioritizing reuse, repair, and reduction over disposal-focused options like landfilling or waste-to-energy.
  - System-level shifts towards a circular economy to keep materials in use for longer.
- **Cost, Funding, and Economic Feasibility**
  - Need for clear economic rationale, transparent budgeting, incentive mechanisms, and well-defined approaches for funding.
  - Some comments that privatization is unadvisable, and some comments that a regulated private model could achieve comparable performance while shifting risks away from taxpayers.
- **Data, Metrics, Reporting, and Transparency**
  - Clear, reliable data and transparent reporting for tracking and measuring progress, evaluating program performance, and building trust in waste reduction and circular economy initiatives.
- **Education, Engagement, and Behaviour Change**
  - Education, engagement, and behaviour change with clear, practical guidance and repeated, targeted outreach that helps people build confidence and new habits.
  - Tailoring education to different groups, diverse engagement methods, and supporting learning with policies and incentives.
- **Equitable and Accessible Approaches to Waste Management**
  - Waste management strategies designed to be inclusive and accessible, addressing cultural, language, financial, physical, and structural barriers.

- **Human and Environmental Health**
  - Minimize risk to people and ecosystems by addressing contamination, toxicity, emissions, and the safety of food and organics across the full lifecycle of materials.
- **Managing Complex Materials**
  - Clear, consistent, and material-specific systems to manage complex materials.
  - Consistent regulations, expanded producer responsibility take-back programs, and more accessible, user-friendly collection systems.
- **Operations and Infrastructure**
  - Accessible facilities, sufficient processing capacity, and strong collection, logistics, staffing and maintenance systems supported by land-use planning, innovation and technology to deliver efficient and reliable services across the region.
  - Phase out or reduce reliance on the Waste-to-Energy Facility and redirect resources to circular solutions.
- **Plan Scope, Clarity, and Definitions**
  - Defined targets, consistent terminology, and transparent priorities so interested parties understand what each action is intended to achieve, who it applies to, and how it aligns with circular economy and waste hierarchy principles.
  - Caution against conflating recycling with recovery performance results, noting energy recovery results in permanent loss of materials and should not be counted as recycling.
- **Policy, Regulation, and Enforcement**
  - Need for clear and well-defined regulatory tools, consistent regional guidelines, and enforceable requirements.
- **Roles, Responsibilities, and Collaboration**
  - Clearly defined roles, shared accountability, and strong collaboration to advance waste reduction and circular economy actions.
- **Standardization, Convenience, and Simplification**
  - Consistent, simple, and user-friendly waste and recycling systems across all municipalities, including standardized accepted materials, clear signage and colour coding, and reliable curbside collection coverage and frequency.

Results from an online questionnaire were analyzed separately, and emerging themes included:

- Support for the waste hierarchy with prevention-first
- Emphasis on cost and affordability
- Interest in sharing/lending libraries for tools and other infrequently used items
- Multi-unit housing – interest in clearer signage and cleaner infrastructure
- Identification of plastics packaging as the hardest waste stream to avoid
- Prioritization of durability and value over convenience, signalling support for waste prevention
- Recycling – increasing participation requires clearer, standardized guidance on sorting recycling, improved access, expanded accepted materials, and more transparency on recycling outcomes
- Support for repair, using reusables, refill/bulk purchasing, and buying less
- Support for waste prevention-first, system level solutions, and shared responsibility across governments, producers, and institutions

Metro Vancouver Response

Section 7 of the engagement summary report (Reference 1) includes Metro Vancouver's responses to some of the key themes emerging from engagement feedback. The responses highlight sections of the initial draft plan that incorporate feedback heard, or describe how the feedback is addressed in other parts of the plan such as in the vision and guiding principles, waste hierarchy, or the strategic approaches. It also provides responses to ideas heard consistently in each phase that have been reviewed and are considered unadvisable by staff, as they are inconsistent with the Board strategic direction, the plan's vision and guiding principles, or the plan's goals and hierarchy. These were noted at the November 2025 Zero Waste Committee meeting with examples including closing the Waste-to-Energy Facility and privatizing the regional solid waste system (Reference 3). Metro Vancouver's publicly owned solid waste system, including the Waste-to-Energy Facility, is operated with public oversight and contractor expertise and efficacy, and the system is cost-effective, environmentally responsible, and delivers North American leading waste reduction performance.

First Nations Engagement

Metro Vancouver sent letters to 10 local First Nations as well as 37 First Nations with interests in the region, to invite feedback and offer a meeting. Metro Vancouver met with one First Nation and received additional written feedback. Feedback included:

- Support for circular economy, greenhouse gas emission reduction, enhancing regional collaboration, and expanded recycling at depots
- Interest in collaborating to move toward zero waste
- Proposed solutions such as clear garbage bags to make disposal bans more effective, and Artificial Intelligence tools to improve sorting and monitoring
- Concerns related to Waste-to-Energy Facility emissions impacts on health and safety. Concern about bias within consultant studies funded by Metro Vancouver.
- Concern about inconsistent recycling services across the region, including First Nations communities
- Request to remain informed as the plan update advances

Collaborative Engagement

The Collaborative Engagement program supports public engagement on the solid waste management plan update by advancing diversity, equity, and inclusion in the public engagement process. It involves collaborating with and providing funding and resources to not-for-profit organizations supporting underrepresented or equity-denied communities to engage their networks. The program has helped to reach over 3,000 residents over the last three phases – residents who otherwise may not be aware of or have access to opportunities to provide input.

During the options analysis phase, Metro Vancouver worked with 16 not-for-profit organizations who facilitated their own engagement activities such as focus groups, workshops, interviews, webinars, and questionnaires, reaching more than 900 residents. Feedback resulting from this initiative directly helped to shape the strategies and actions in the draft solid waste management plan.

Advisory Committees

Member Jurisdictions

Metro Vancouver provided updates on the solid waste management process at meetings of the Regional Administrators Advisory Committee, Regional Engineers Advisory Committee, Regional Engineers Advisory Committee Solid Waste Sub-Committee, Regional Waste Reduction Coordinators' Committee, Regional Planning Advisory Committee, Invest Vancouver Advisory Committee, and Agricultural Advisory Committee. Metro Vancouver also forwarded information reports to the Indigenous Relations Committee and Air Quality Committee.

Metro Vancouver worked closely with member jurisdiction staff to develop and review draft member jurisdiction actions, including a workshop with the Regional Engineers Advisory Committee Solid Waste Sub-Committee in June 2025, a session at the Metro Vancouver Conference Day in June 2025, and a member jurisdiction staff workshop in October 2025. Metro Vancouver received feedback including:

- Request that member actions are specific and actionable, but flexible for member jurisdictions to adapt and implement where appropriate. Guidelines and resources are appreciated.
- Note members have a role in actions beyond the specific member actions; request for clarity on member jurisdiction role v.s. Metro Vancouver role
- Actions need to consider cost efficiency for member jurisdictions
- Emphasis needed on regulation and incentives, to complement education
- Supporting businesses, including the construction and demolition sector, is key. Challenging to add more regulation (e.g. mandatory recycling) for businesses, while businesses and institutions remain important focus areas for waste reduction
- Support for updating multi-family container space and access guidelines
- Support for expanding reuse options at drop off facilities, and mechanisms to increase refill/reuse systems in the commercial sector
- Some support for member-provided temporary repair and reuse spaces
- Support for working towards consistency, including standardized signage
- Feedback that municipalities must determine their own unique zoning needs, with Metro Vancouver providing guidelines or templates that can be adopted
- Support for more materials covered by extended producer responsibility programs

Solid Waste Management Plan Public/Technical Advisory Committee

A report to the Zero Waste Committee in November 2025 highlights feedback from the Solid Waste Management Plan Public/Technical Advisory Committee. This committee provides a forum for contribution from individuals with diverse experiences and expertise to inform the review and update of the solid waste management plan. Committee meeting notes are published on the committee web page (Reference 4).

During the options analysis phase the committee:

- Supported actions from the top three levels of the waste hierarchy (rethink, reduce, reuse), including suggesting focusing funding on these areas instead of disposal or recovery
- Called for more ambitious actions and targets to move up the hierarchy
- Provided suggestions on how to consolidate similar actions, and make them clearer, more specific, and actionable
- Stressed the importance of regulation, enforcement, and financial incentives/disincentives to accompany advocacy, tools, templates, and education

- Noted privatization of the solid waste system would not be advisable, citing risks such as reduced accountability and oversight
- Some members expressed strong opposition to waste-to-energy, citing environmental impacts, costs, and diverting resources away from upstream actions

Solid Waste and Recycling Industry Advisory Committee
A report to the Zero Waste Committee in November 2025 highlights feedback from the Solid Waste and Recycling Industry Advisory Committee. The committee provides a forum for industry contribution and advice on solid and recycling issues in Metro Vancouver, including but not limited to the solid waste management plan update. Committee meeting notes and feedback summaries are published on the committee web page (Reference 5).

During the options analysis phase the committee:

- Supported waste reduction and recycling actions, and suggested consolidation or clarification of actions to make them more practical and actionable
- Preferred incentive-based approaches over new regulations, considering business viability and affordability
- Emphasized need to ensure markets exist and clarifying criteria and rationale before introducing new disposal bans
- Provided mixed views on hauler incentive programs, noting limited tools are available to haulers to influence customer behaviour
- Some members noted incineration results in toxic outputs and that alternatives exist
- Some members advocated for closure of the Waste-to-Energy Facility, noting long-term commitments regarding district energy were made without committee consultation
- Advocated for exploring privatization of solid waste services, noting with proper regulation the private sector could match or exceed public sector performance
- Expressed concern that previous input was not adequately considered, and the result feels predetermined

Neighbouring Regional Districts
Metro Vancouver sent letters to neighbouring regional district boards to invite feedback and offer meetings. Metro Vancouver met with neighbouring regional district staff, and received written feedback. In addition, Metro Vancouver presented at a Squamish-Lillooet Regional District Board meeting at the regional district's request. There was interest in opportunities for collaboration on advancing construction and demolition waste reduction (particularly through developing second-hand building material markets), enhancing extended producer responsibility programs (such as extending to small businesses and including household hazardous waste), and sharing educational and promotional materials. There was support for Metro Vancouver leading advocacy for circular economy policies across the province and country, such as for provincial or federal incentive programs for business food waste reduction. Fraser Valley Regional District noted concerns about the Waste-to-Energy Facility, including opposition to development of any new future capacity, and a request to phase out the existing facility, due to concerns regarding air quality and health impacts. Long-term disposal capacity was flagged as an important issue to address specifically in the plan, and concerns were expressed on potential air quality impacts from technologies that convert wood waste into energy and fuel, with a preference for non-combustion-based technologies and a caution that investment in energy recovery infrastructure may disincentivize other processes that promote reuse or recycling.

Presentations to Solid Waste Management Plan Independent Consultation and Engagement Panel
Following options analysis engagement, Metro Vancouver hosted an opportunity for the public to share their feedback on the engagement process with the Solid Waste Management Plan Independent Consultation and Engagement Panel. The engagement panel provides advice to Metro Vancouver staff and the Board on the development and implementation of engagement on the solid waste management plan update. Nine members of the public presented their feedback to the engagement panel in February 2026. The presentations and recording are included as References 6 and 7. Below is a summary of key feedback:

- **Incorporation of feedback**: Participants want clearer explanations of how input is used, including why ideas are accepted or not, to strengthen trust and demonstrate meaningful participation.
- **Collaborative engagement**: Flexible and inclusive, but would benefit from more preparation time, longer consultation windows, more in-person activities, and greater Metro Vancouver presence. The number of actions reviewed should be more manageable. Suggestions that Panel members be included in engagement activities.
- **Inclusivity**: Appreciation for youth involvement, with calls to further engage youth who are underrepresented or live with disabilities. Materials could better accommodate diverse learning styles and reading levels, and more community-based, on-the-spot feedback opportunities are recommended. Some felt engagement audiences felt too selective.
- **Advisory committees**: Members felt their concerns were not reflected and that the direction was predetermined. Insufficient opportunities to reach whole-group consensus. Panel attendance at meetings was appreciated.
- **Plan content**: The draft plan lacks clarity on how sectors will participate and has limited ability to advance actions because many require future consultation.

ALTERNATIVES
This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS
Engagement activities related to the solid waste management plan update is included in the approved Solid Waste Services budget.

OTHER IMPLICATIONS
The draft solid waste management plan includes specific member jurisdiction actions, which have been reviewed by member jurisdiction staff and revised to incorporate feedback. The member jurisdiction actions are intended as potential areas of focus for members to consider – they are not requirements.

CONCLUSION

In 2025, Metro Vancouver completed the options analysis phase of engagement on updating the solid waste management plan. Through this phase, Metro Vancouver sought feedback on a list of potential strategies and actions resulting from previous research and engagement. Considering options analysis feedback, an initial draft solid waste management plan was developed. Feedback is summarized in an engagement summary report highlighting themes like prioritizing reuse and repair, financial incentives, tailored education, accessibility of solid waste services and facilities, and standardized services and regulations. There were also comments to phase out the Waste-to-Energy Facility and privatization of the regional solid waste system. Following options analysis engagement, the public was invited to share their feedback on the engagement process with the Solid Waste Management Plan Independent Consultation and Engagement Panel.

An initial draft solid waste management was published in January 2026 and distributed for feedback. Feedback on the initial draft will help inform a revised draft plan that will be provided to the Zero Waste Committee and GVS&DD Board. Following review by the GVS&DD Board, the revised draft will be distributed for additional public feedback prior to submission to the Ministry of Environment and Parks for approval.

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Solid Waste Management Plan Update

Options Analysis Phase

Engagement Summary Report



Acknowledgements

Thank you to everyone who provided feedback into the options analysis phase of public engagement for the solid waste management plan update. Metro Vancouver embraces collaboration and innovation to identify and plan for sustainable regional services, contributing to a livable and resilient region, and a healthy natural environment for current and future generations.

The options analysis engagement phase referenced the vision and guiding principles established in a previous phase and evaluated ideas gained through the idea generation engagement findings to help inform draft actions and strategies to be included in the updated solid waste management plan. We appreciate your time as well as the insights and feedback you shared with us during the options analysis phase.

About Metro Vancouver

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is made up of four separate legal entities, each governed by its own Board of Directors. Board directors are elected officials from member jurisdictions.

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1. About the Solid Waste Management Plan Update

Metro Vancouver is responsible for planning for waste prevention, reduction, reuse, and recycling, and operating a series of solid waste facilities across the region. This work is guided by a commitment to environmental stewardship, and affordable and accessible waste management services.

Metro Vancouver is updating its solid waste management plan, building on the strengths of the *Integrated Solid Waste and Resource Management Plan* (2011), to continue progressing towards a thriving region where nothing is wasted, and resources are valued. Metro Vancouver is actively engaging with First Nations, government agencies, waste and recycling industry, waste producers, businesses, communities, and Metro Vancouver residents to guide updates to the plan. The plan update is a multi-year process, with options analysis recently being completed. Review of the draft plan will be the final phase of engagement before the plan is submitted for approval to the Minister of Environment and Parks.



The objective of the options analysis phase was to evaluate strategies and actions developed from ideas generated in the previous phase by applying decision-making criteria grounded in the vision and guiding principles for the updated plan. The feedback received in the options analysis phase helped to determine what actions and strategies are included in the draft plan.

This report provides a summary of what was learned through engagement during the options analysis phase.

2. Executive Summary

This report details the options analysis phase of engagement as part of Metro Vancouver's solid waste management plan update. This phase focused on receiving feedback from First Nations, member jurisdictions, advisory committees, neighbouring regional districts, non-profit organizations, industry, the public, and other interested parties to evaluate ideas that were generated in the previous phase to help determine what actions and strategies would be included in the draft updated plan.

Options analysis builds on the previous *idea generation* phase which focused on listening to and learning from feedback on ideas and potential actions to guide the solid waste management plan. The potential actions and strategies identified through idea generation were reviewed through options analysis by applying decision-making criteria grounded in the updated plan's vision and guiding principles.

Metro Vancouver's process for developing the updated solid waste management plan aligns with provincial guidelines and considers engagement input and feedback received during all phases of engagement. The options analysis engagement process began in spring 2025 by engaging First Nations, member jurisdictions, neighbouring regional districts, and advisory committees.

Public engagement was held from August 16 to October 31, 2025, and included an online questionnaire, outreach at four community events, interviews and small group meetings with representatives from various sectors, and community outreach at the Pacific National Exhibition (PNE). In addition, Metro Vancouver worked with 16 not-for-profit organizations through the Collaborative Engagement program. These organizations represented communities interested in solid waste or environmental issues, as well as equity denied and under-represented communities. Participating organizations were invited to connect with their existing communities and engage audiences who otherwise may not be aware of, or may have experienced barriers to, Metro Vancouver's engagement processes.

The purpose of public engagement was to receive feedback on potential strategies and actions to be included in the updated solid waste management plan.

Feedback from Engagement Meetings, Workshops, Interviews, Events

Summarized below are the themes that emerged based on the input gathered across engagement activities conducted during this phase including meetings, workshops, interviews, community events, and qualitative feedback from the Collaborative Engagement initiative. Findings from the public online questionnaire and Collaborative Engagement questionnaires are summarized separately in section six of this report.

- **Circular Economy and Waste Prevention**

  Preventing waste at the source by prioritizing reuse, repair, and reduction over disposal-focused options like landfilling or waste-to-energy. Feedback called for system-level shifts towards a circular economy to keep materials in use for longer and make waste prevention a core priority.

- **Cost, Funding, and Economic Feasibility**

  Emphasis on the need for clear economic rationale, transparent budgeting, incentive mechanisms, and well-defined approaches for funding and financial responsibility across governments, businesses, and households.

- **Data, Metrics, Reporting, and Transparency**

  Generation and access to clear, reliable data and transparent reporting for tracking and measuring progress, evaluating program performance, and building trust in waste reduction and circular economy initiatives. Feedback emphasized improving data accuracy and calculations, openly sharing financial and program information, and strengthening monitoring systems so decisions are evidence-based, transparent, and demonstrate accountability.

- **Education, Engagement, and Behaviour Change**

  Education, engagement, and behaviour change with clear, practical guidance and repeated, targeted outreach that helps people build confidence and new habits. Feedback emphasized tailoring education to different groups, using diverse engagement methods, and supporting learning with policies and incentives so behaviour change is sustained and meaningful.

- **Equitable and Accessible Approaches to Waste Management**

  Waste management strategies designed to be inclusive and accessible, addressing cultural, language, financial, physical, and structural barriers so all community members can participate. Feedback called for community-led and inclusive approaches multilingual and culturally responsive resources, and tailored support for newcomers, seniors, people with disabilities, people in multi-family residences, low-income households, multi-generational residents, and others facing systemic obstacles to equitable participation.

- **Human and Environmental Health**

  Waste management strategies that minimize risk to people and ecosystems by addressing contamination, toxicity, emissions, and the safety of food and organics across the full lifecycle of materials. Feedback emphasized the need to consider climate impacts, biodiversity protection, and long-term public health to ensure systems remain safe, resilient, and environmentally responsible.

- **Managing Complex Materials**

  Clear, consistent, and material-specific systems to manage complex materials so households, businesses, and sectors can properly manage items such as textiles, plastics, bulky goods, electronics, healthcare waste, and construction and demolition materials. Feedback called for standardized regulations, expanded producer responsibility take-back programs, and more accessible, user-friendly collection systems to ensure responsible end-of-life management and reduce confusion, contamination, and improper disposal.

- **Operations and Infrastructure**

  Operations and infrastructure that are purposely planned, adequately resourced, and well-coordinated to ensure waste reduction and circular economy strategies are practical, scalable, and aligned with regional goals. Feedback highlighted the importance of accessible facilities, sufficient processing capacity, and strong collection, logistics, staffing and maintenance systems supported by land-use planning, innovation and technology to deliver efficient and reliable services across the region.

  Feedback included calls to phase out or reduce reliance on the Waste-to-Energy Facility, including from the Fraser Valley Regional District, citing concerns about air quality and cost. Participants noted phasing out the facility would help redirect resources toward circular solutions.

- **Plan Scope, Clarity, and Definitions**

  A clear and well-defined plan with defined targets, consistent terminology, and transparent priorities so interested parties understand what each action is intended to achieve, who it applies to, and how it aligns with circular economy and waste hierarchy principles. Feedback emphasized the need to clearly define key terms, reduce overlap through improved plan structure and readability, and identify each action's intent, expected outcomes, level of commitment, and timing, so roles, responsibilities, and expectations are clear.

- **Policy, Regulation, and Enforcement**

  The role of policy, regulation and enforcement in shaping consistent and effective waste reduction and circular economy outcomes across Metro Vancouver. Feedback highlighted the need for clear and well-defined regulatory tools, consistent regional guidelines, and enforceable requirements particularly for disposal bans, extended producer responsibility, zoning, and regulation of the commercial and institutional hauling sectors to ensure accountability and consistent implementation across jurisdictions.

- **Roles, Responsibilities, and Collaboration**

  The importance of clearly defined roles, shared accountability, and strong collaboration among Metro Vancouver municipalities, First Nations, industry, governments, non-profit organizations, communities, and individuals to advance waste reduction and circular economy actions. It highlights the need for aligned oversight, coordinated decision-making, and cooperation to build buy-in, avoid duplication, and support integrated, community-focused regional solutions.

- **Standardization, Convenience, and Simplification**

  Consistent, simple, and user-friendly waste and recycling systems across all municipalities, including standardized accepted materials, clear signage and colour coding, and reliable curbside collection coverage and frequency. Feedback emphasized that harmonized systems, centralized, and easily accessible information, and simple, streamlined processes reduce confusion, increase participation, and make it easier for residents and businesses to sort materials correctly.

Feedback from Questionnaires

Summarized below are themes that emerged based on feedback received during this phase of engagement across both the public and Collaborative Engagement questionnaires. Respondents demonstrated strong alignment with the waste hierarchy, particularly upstream actions focused on rethinking consumption, reducing waste, and extending product life.

- **Overall Insight**

  Engagement findings show strong alignment with the waste hierarchy and clear public support for prevention-first, system-level solutions. While individuals are willing to change behaviours, respondents consistently emphasized that meaningful progress depends on clearer systems, upstream action, and shared responsibility across governments, producers, and institutions.

- **Education and Multi-Unit Housing**

  Respondents prefer practical, easy-to-access information delivered through social media, public signage, and digital tools. Residents of multi-unit buildings expressed strong interest in short learning series and emphasized the need for clearer signage, cleaner infrastructure, compostable liners, and visible leadership to improve food waste diversion in their building.

- **Rethink and Prevent**

  Respondents prioritized durability and value over convenience when making purchasing decisions, signalling strong support for waste prevention at the source. Cost and affordability were especially influential among Collaborative Engagement participants. There was broad interest in waste reduction through everyday actions such as choosing long-lasting products, using reusables, and buying fewer items, with greater support for repair among collaboratively engaged groups.

- **Reduce**

  Packaging, particularly plastics, for cosmetics and toiletries, was consistently identified as the hardest waste stream to avoid. Electronics, clothing, and single-use food ware and beverage items were also identified as challenging to reduce. Respondents showed strong interest in refill, bulk purchasing, electronics recycling, and community-based reuse programs, with Collaborative Engagement participants placing greater emphasis on upstream reduction rather than recycling alone.

- **Reuse and Repair**

  Financial savings are the primary driver of reuse and repair, followed by environmental values, and practicality. Interest in sharing/lending libraries is high, especially for tools and other infrequently used items, reinforcing support for shared-access models that reduce costs, storage needs, and consumption.

- **Recycle**

  The main barriers to effective recycling are confusion about "what goes where," limited accepted materials, and low trust in recycling outcomes. Respondents called for clearer, standardized guidance, improved access, and greater transparency. Collaborative Engagement participants placed stronger emphasis on clarity, consistency, and accountability as prerequisites for increased participation.

First Nations Engagement

Metro Vancouver operates on the shared territories of many Indigenous peoples, including 10 First Nations with communities currently located within the Metro Vancouver region ("local First Nations"): q̓ic̓əy̓ (Katzie), q̓ʷɑːn̓ƛ̓ən̓ (Kwantlen), kʷikʷəƛ̓əm (Kwikwetlem), máthxwi (Matsqui), xʷməθkʷəy̓əm (Musqueam), qiqéyt (Qayqayt), Semiahmoo, Sḵwx̱wú7mesh Úxwumixw (Squamish), scəw̓aθən məsteyəxʷ (Tsawwassen), and səlilwətaɬ (Tsleil-Waututh). The solid waste management plan update presents an opportunity for Metro Vancouver to reaffirm its commitment to strengthening respectful relationships with First Nations. Metro Vancouver strives to ensure that its engagement with First Nations is meaningful, respectful, and takes place early, often and in an ongoing manner.

In summer 2025, Metro Vancouver sent letters to the 10 local First Nations, as well as 37 First Nations with interests – but without present communities – in the region. All were invited to feedback on the options analysis phase of the plan update, and offered the opportunity to meet with Metro Vancouver staff to discuss the solid waste management plan.

One First Nation met with Metro Vancouver in this phase of the solid waste management plan development and one First Nation provided input by email. Key themes and feedback included:

- Support for circular economy, greenhouse gas emission reduction, enhancing regional collaboration, and expanded recycling at depots
- Interest in collaborating to move towards zero waste
- Proposed solutions such as clear garbage bags to make disposal bans more effective, and using Artificial Intelligence tools to improve sorting and monitoring
- Questions and concerns related to Waste-to-Energy Facility emissions impacts on health and safety. Concern about bias within consultant studies funded by Metro Vancouver.
- Concern about inconsistent recycling services across the region, including First Nations reserves
- Request to remain informed as the project advances.

3. About the Engagement Process

In fall 2025, Metro Vancouver engaged members of the public, member jurisdictions, neighbouring regional districts, and advisory committees to receive feedback and create opportunities for dialogue around defined potential strategies and actions to include in the updated solid waste management plan. Public engagement occurred from August 16 to October 31, 2025, including an online questionnaire, workshops, small group dialogue sessions, interviews, and community events. The purpose of public engagement was to receive feedback on a set of actions and strategies developed based on input received in the previous engagement phase, idea generation.



Objectives for options analysis engagement included:

- Receive feedback on potential strategies and actions for the updated solid waste management plan.
- Increase understanding about the approaches and potential changes required to implement potential strategies and actions.
- Continue to promote confidence and education about Metro Vancouver's role in waste reduction, recycling planning, and operation of solid waste facilities in the region and to motivate and inspire community members to take actions that will decrease garbage going to disposal.

Metro Vancouver shared information about:

- The engagement process, including how feedback from previous phases helped to inform this phase and the draft strategies and actions.
- How interested parties could engage in this phase of the process, and where to learn more about how to participate.
- The potential strategies and actions
- Intended objectives of the phase and how feedback received will be used to develop the draft solid waste management plan.

The many ideas heard during the idea generation phase were consolidated into approximately 200 potential actions, combining similar ideas with shared methods and outcomes. This list of potential actions was provided during options analysis engagement, for review and feedback. The potential actions were organized by draft strategies (categories reflecting common themes). Strategies were organized by goal and the waste hierarchy – two elements previously approved by the GVS&DD Board. Ideas were also assessed using criteria based on Board strategic priorities, provincial guidance, and the vision and guiding principles previously approved by the GVS&DD Board. For transparency, a full list of ideas received during idea generation was published on the Metro Vancouver website, along with other supporting information such as an assessment of all ideas completed by a consultant using a rubric.

The table below provides a summary of engagement activities including intended audience(s).

AUDIENCE	ENGAGEMENT METHOD/DESCRIPTION
Member jurisdictions	Metro Vancouver launched options analysis engagement by sending a letter to mayors and councils of member jurisdictions. Member jurisdiction staff engagement focused on the development and review of proposed member jurisdiction actions. Metro Vancouver engaged the following member jurisdiction staff committees: • **Regional Administrators Advisory Committee (RAAC)** shared project presentation. • **Regional Engineers Advisory Committee (REAC)** shared project presentation during regular REAC meeting, workshop at MV Conference Day, and invitation to member jurisdiction workshop. • **Regional Engineers Advisory Committee Solid Waste Sub-Committee and the Regional Waste Reduction Coordinators Committee** project information shared and feedback opportunities at regular committee meetings. • Member jurisdiction workshop with multiple member staff advisory committees invited. • **Regional Planning Advisory Committee** presentation at a regular meeting with invitation to provide comments • **Regional Communications Advisory Group** shared information at a regular meeting • **Invest Vancouver Advisory Committee** presentation at a regular meeting with invitation to provide comments • **Agricultural Advisory Committee** brief presentation and invitation to provide comments • **Indigenous Relations Committee and Air Quality Committee** forwarded Zero Waste Committee reports for information
Neighbouring regional districts	Metro Vancouver sent letters to regional district boards and met with staff including Fraser Valley Regional District, Sunshine Coast Regional District, Squamish-Lillooet Regional District, Regional District of Okanagan-Similkameen, and the Thompson-Nicola Regional District. Metro Vancouver also presented at a Squamish-Lillooet Regional District Board meeting on request.
Solid Waste and Recycling Industry Advisory Committee	Metro Vancouver staff shared project information and received feedback and insights on draft hierarchy and goals, proposed options analysis criteria, and potential strategies and actions.
Solid Waste Management Plan Public/Technical Advisory Committee	Metro Vancouver staff shared project information and received feedback and insights on draft hierarchy and goals, proposed options analysis criteria, and potential strategies and actions.

Waste Management Association of BC	Provided updates at meetings
Youth and Education Advisory Panel	Metro Vancouver staff facilitated a discussion with members of Youth and Education Advisory Panel (YEAP) and received feedback on proposed actions and strategies.
Key sectors	Metro Vancouver staff participated in four facilitated virtual dialogue sessions with representatives from four key sectors, including healthcare, tourism, food, and construction and demolition. These sessions provided an opportunity to identify options and proposed strategies for identified issues and opportunities.
Public outreach at the PNE	Metro Vancouver staff attended the Pacific National Exhibition (PNE), prior to the active public engagement phase, to engage and educate the public on the updated waste hierarchy, recycling and waste management, and to share information on the options analysis phase of the project.
Online questionnaire	An online questionnaire was shared on the project webpage to gather feedback to help understand what actions are needed to address identified issues and opportunities.
Community events	Metro Vancouver participated in four community events in various areas of the Metro Vancouver region to share information, seek feedback from the public and create opportunities for dialogue and feedback around draft strategies and actions to include in the updated solid waste management plan.
Collaborative Engagement	Collaborative Engagement program provided an opportunity to engage with 16 not-for-profit organizations, including organizations with an interest in solid waste management or environmental issues, and/or organizations representing equity-denied and underrepresented communities. A comprehensive toolkit of resources, including facilitation guides and engagement materials, was provided to organizations to support engagement with their audiences. Each organization provided feedback from their audiences which was then incorporated into the analysis.
One-on-one interviews	One-on-one interviews were offered for individuals and organizations that were unable to attend scheduled engagement sessions so they had the opportunity to share their insights and feedback. Two interviews were completed with representatives from the textiles and rental housing sectors.
Public presentations to the Independent Consultation and Engagement Panel	The public was invited to present directly to the Independent Consultation and Engagement Panel to provide feedback on the engagement process.

4. Engagement Promotion

Information on how to participate in the engagement process was shared with the public and interested parties via various channels, as described below.

Website

The dedicated project webpage for the solid waste management plan update was updated for options analysis engagement to provide project background information, promote public engagement events, and to share the online questionnaire. The calendar of engagement events was also shared on this webpage to encourage public participation. There were more than 2,730 webpage visits during the options analysis phase.

Social Media

The options analysis phase of the solid waste management plan was promoted on social media from August 16 to October 31, 2025. The social media posts provided project information and encouraged public participation and input and reached more than 175,000 people.

Print Ads

Print ads were published twice in each of the Vancouver Sun and The Province newspapers. These ads provided project information and shared details on public engagement opportunities.

E-blasts

Engagement opportunities were promoted via email to recipients who are subscribed to receive notifications on Metro Vancouver solid waste topics, including the solid waste management plan.

Engagement opportunities were also promoted to several Boards of Trade and Chambers of Commerce.

Outreach

2,730 visits
to project webpage

4 advertisements
in the Vancouver Sun and The Province newspapers

2 e-blast
Two notifications sent to subscribers,
3,566 recipients September 4,
657 recipients Oct 1

7
Social Media posts
Reach: 175,543
Engagements: 367
Clicks: 1,152

5. Engagement Participation

The table below summarize participation across the engagement opportunities offered during options analysis. Metro Vancouver staff facilitated 31 meetings and received over 390 responses to the online questionnaire with an additional 657 responses through the Collaborative Engagement questionnaire. There were over 855 participants at community events and 11,700 participants in the engagement activities held at the Pacific National Exhibition (PNE). Metro Vancouver also worked with 16 not-for-profit organizations who coordinated engagement with their networks, reaching over 250 individuals through these organizations through engagement activities such as meetings, workshops, and questionnaires.

Engagement



11,748 votes

At SWMP Engagement Voting tubes



1,036 responses

received to the questionnaire



855 engaged

at community events



16 organizations

participated in collaborative engagement

ENGAGEMENT METHOD	PARTICIPANTS	DATE

Meetings and workshops	• Member jurisdictions:
	  ◦ Regional Administrative Advisory Committee
	  ◦ Regional Engineers Advisory Committee
	  ◦ Regional Engineers Advisory Committee Solid Waste Sub-Committee
	  ◦ Regional Communications Advisory Group
	  ◦ Regional Waste Reduction Coordinators
	  ◦ Member jurisdiction staff workshop
	  ◦ Regional Planning Advisory Committee
	  ◦ Agricultural Advisory Committee
	  ◦ Invest Vancouver Advisory Committee
	• Neighbouring Regional Districts - staff
	• Squamish-Lillooet Regional District Board
	• Solid Waste Management Plan Public/ Technical Advisory Committee
	• Solid Waste and Recycling Industry Advisory Committee
	• Youth and Education Advisory Panel
	• Waste Management Association of BC members meeting
		April – October 2025

Community outreach at the PNE	• Approximately 11,700 participants participated in the engagement activity.	August 16 – September 1, 2025
Outreach at community events	There were 855 participants at four events • Port Coquitlam Car Free Day (226) • Car Free Day – Main Street (328) • RiverFest, New Westminster (175) • Diwali Festival, Surrey (126)	September – October 2025
Sector engagement meetings	• Health Authorities • Destination Vancouver • Canadian Food and Beverage Association • Homebuilders Association Vancouver	September – October 2025
Collaborative engagement organizations hosting engagement activities	• BC Apparel and Gear Association • Binners' Project • Bioloop Foundation • CityHive • Coast Waste Management Association • Food Stash Foundation • Fraser Basin Youth Council • Hong Kong Cultural Society • Langley Environmental Partners Society • Mind Your Plastic – Vancouver • Recycling Council of BC • SPEC – Masters Recyclers • Surrey and White Rock Board of Trade • Threading Change Foundation • Vancouver Food Runners • Young Naturalists' Clubs of British Columbia Society (NatureKids BC)	September – November 2025
Interviews	• Two interviews (textiles and rental housing sectors)	October 2025
Online public questionnaire	• 390 participants	August – October 2025
Metro Vancouver feedback form	• Five responses	August – October 2025
Emails	• 23 emails with feedback, including from member jurisdiction staff, neighbouring regional districts, advisory committee members, and the public	June – December 2025

Collaborative Engagement Program

The Collaborative Engagement program is an inclusive public engagement initiative that Metro Vancouver introduced during the vision and guiding principles phase of engagement. This program supports not-for-profit organizations to engage their communities in regional planning by offering up to $5,000 in funding, staff support, and other resources. The purpose of the program is to promote diverse, equitable, and inclusive public engagement by working with groups that may experience barriers to participation such as equity-denied or underrepresented communities, youth, seniors, urban Indigenous people, and environmental groups. During the options analysis phase, Metro Vancouver worked with 16 organizations that facilitated their own engagement activities, including questionnaires, focus groups, workshops, interviews, webinars, and online outreach. In total, these efforts reached more than 900 residents, with 250 participants contributing feedback that helped shape the strategies and actions in the updated plan. This program remains an important way for Metro Vancouver to ensure that voices and organizations historically underrepresented in government engagement could contribute meaningfully.

Facilitated Sessions

Metro Vancouver staff facilitated workshops or interactive dialogue and feedback sessions with the Solid Waste Management Plan Public/Technical Advisory Committee, Solid Waste and Recycling Industry Advisory Committee, Regional Engineers Advisory Committee, Regional Engineers Advisory Committee, Regional Engineers Advisory Committee Solid Waste Sub-Committee, Regional Waste Reduction Coordinators' Committee, neighbouring regional districts, and the Youth and Education Advisory Panel. Project information was shared, and participants were provided with an opportunity to share feedback and ideas on the draft strategies and actions for inclusion in the updated plan.

Sector Engagement

Metro Vancouver facilitated four virtual dialogue sessions with representatives from health authorities, Destination Vancouver, BC Food and Beverage Association, and the Homebuilders Association Vancouver. In addition, representatives from the textile and rental housing sectors were engaged through interviews. These sessions provided an opportunity to gather feedback on the proposed actions and strategies within the defined priority areas for each sector.

Public Engagement Events

Public engagement events for this phase took place from August 16 to October 5, 2025. Metro Vancouver received feedback from the public on specific draft strategies and actions to understand their level of support and what would help them to implement these strategies in their day-to-day life. Attending community events provided an opportunity to reach a broader audience, share project information, and to listen and learn from the public.

In this phase of engagement, Metro Vancouver participated in community events in four areas of the Metro Vancouver region. Participants were encouraged to share their sentiment by placing a coloured dot in one of three columns to represent either green (supportive), yellow (neutral), or red (not in support). At all events, the response from the participants showed a continued curiosity for Metro Vancouver and the work it oversees in the region, as well as a general appreciation for engaging the public and seeking feedback on waste, organics, and recycling in the region.

Online Questionnaire

Close to 400 participants responded to an online questionnaire. The online platform provided the public and interested parties the opportunity to share their feedback on the proposed strategies and actions. The questionnaire was open from August 16 to October 31, 2025. A link was shared on the Metro Vancouver solid waste management plan update project web page, social media, email promotions, and at engagement meetings and workshops.

Feedback Form Responses

As part of the engagement, staff received five feedback form responses providing feedback on proposed strategies and actions for the updated plan.

6. Detailed Engagement Feedback – Online Questionnaire

Methodology

An online questionnaire was open to the public between August 16 and October 31, 2025. It was hosted by Metro Vancouver.

390 participants engaged in the questionnaire.

As part of the Collaborative Engagement initiative, participating organizations were encouraged to recreate the Metro Vancouver public questionnaire and adapt language to better suit their specific audiences; as a result, Collaborative Engagement questionnaires were closely aligned with but not exact replicas of the public questionnaire. Across all participating organizations, 657 questionnaires were completed. Metro Vancouver provided these organizations with a comprehensive engagement toolkit that supported the facilitation of engagement activities with their members. The organizations that participated in Collaborative Engagement were as follows:

- BC Apparel and Gear Association
- Binners' Project
- Bioloop Foundation
- Coast Waste Management Association
- Food Stash Foundation
- Langley Environmental Partners Society
- Mind Your Plastic
- Nature kids BC
- Recycling Council of BC
- Society Promoting Environmental Conservation (SPEC) – Master Recyclers
- Surrey and White Rock Board of Trade
- Vancouver Food Runners

Questionnaire findings from the Collaborative Engagement organizations listed above were analysed but are discussed separately from the public questionnaire accessed through Metro Vancouver's website.

Key Findings

The following is a summary of findings, with charts, from the public questionnaire that was available through Metro Vancouver's website. Results from the parallel surveys conduced by Collaborative Engagement organizations are also discussed in the text.

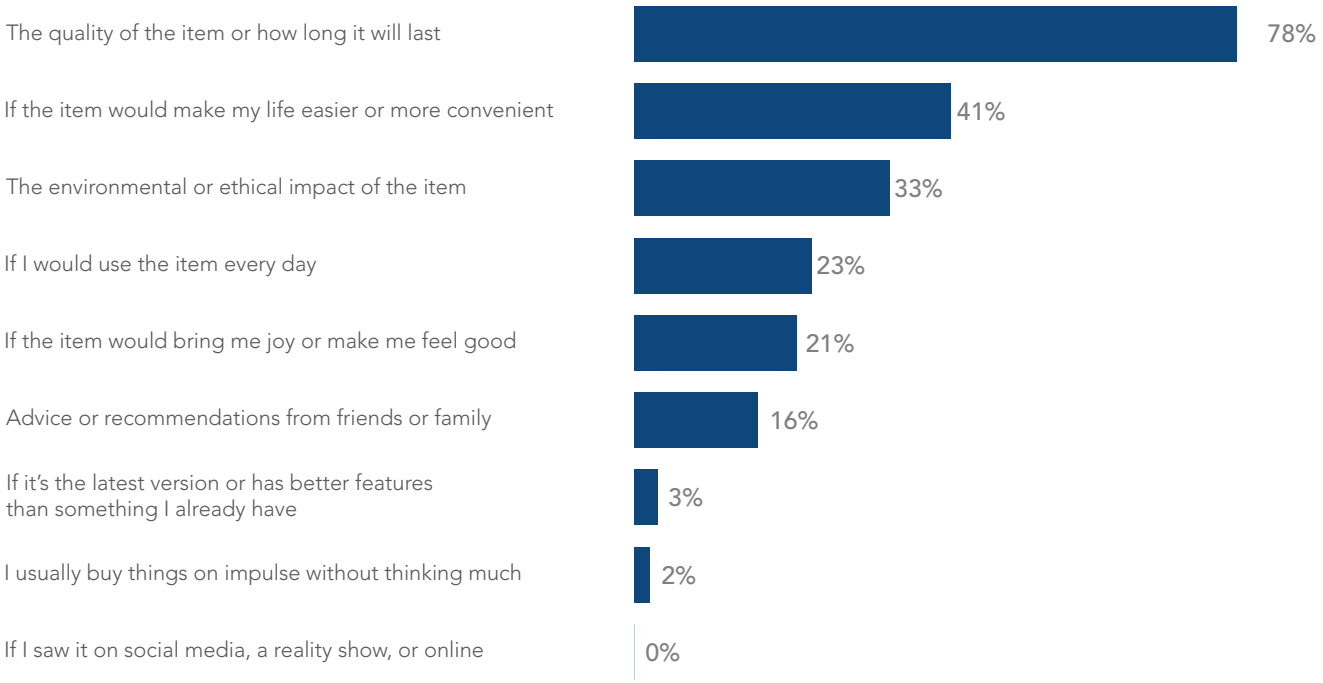
Rethink

How do you decide what you really need before buying something?

When making purchase decisions, the top factor when considering needs was the quality of the item or how long it will last.

Eight in 10 respondents (78%) said this was among their top three considerations. About half as many (41%) said that they considered whether the item would make their life easier or more convenient, while a third (33%) considered environmental or ethical impacts of the item.

Fewer respondents base purchase decisions on whether the item would be used daily (23%) or if it would spark joy (21%); 16% say that word of mouth recommendations are a factor. Very few said they look for better versions of something they already have (3%) or are impulse buyers (2%).



When asked if there was anything else that is important to them when deciding whether they want to purchase something, many respondents added other considerations or expanded on the list provided. Main themes included assessing necessity and replacement (questioning whether an item is truly required or simply a want), seeking reuse or second-hand alternatives before buying new, including if they could borrow it instead of buying it. Others described making decisions based on sustainability and lifecycle considerations such as repairability, recyclability, and packaging waste, and preferring locally or Canadian-made products was also mentioned. Practical considerations like cost and budget, storage space, and brand ethics also emerged as smaller themes, alongside more personal factors like reflection before buying and aesthetics, fit, or functionality.

Collaborative Engagement respondents were also asked this question. It is however important to note that the questionnaire questions differed slightly between the public questionnaire and the Collaborative Engagement questionnaire. In particular, cost and budget considerations were included as a response option only for Collaborative Engagement participants.

Among Collaborative Engagement participants, cost and budget was the most influential factor when deciding whether something is being purchased. Just over three-quarters of respondents (77%) selected cost as one of their top considerations, making it the clear number one factor for this group.

Beyond cost, Collaborative Engagement participants expressed priorities that were largely consistent with those of the broader questionnaire population. Quality and durability remained a central consideration, selected by just under six in 10 respondents (58%), reinforcing the shared emphasis on buying items that last longer. Convenience also featured prominently, with just over a third (35%) indicating that making life easier or more convenient influenced their decisions, which is a level similar to the results of the public questionnaire.

Collaborative Engagement participants were more likely than public respondents to consider how often an item would be used, with 38% identifying regular use as a key factor. This suggests a stronger focus on practicality and everyday value among this group. Consideration of environmental or ethical impacts (33%) closely mirrored the public questionnaire results, indicating alignment in sustainability-related values despite differences in question framing.

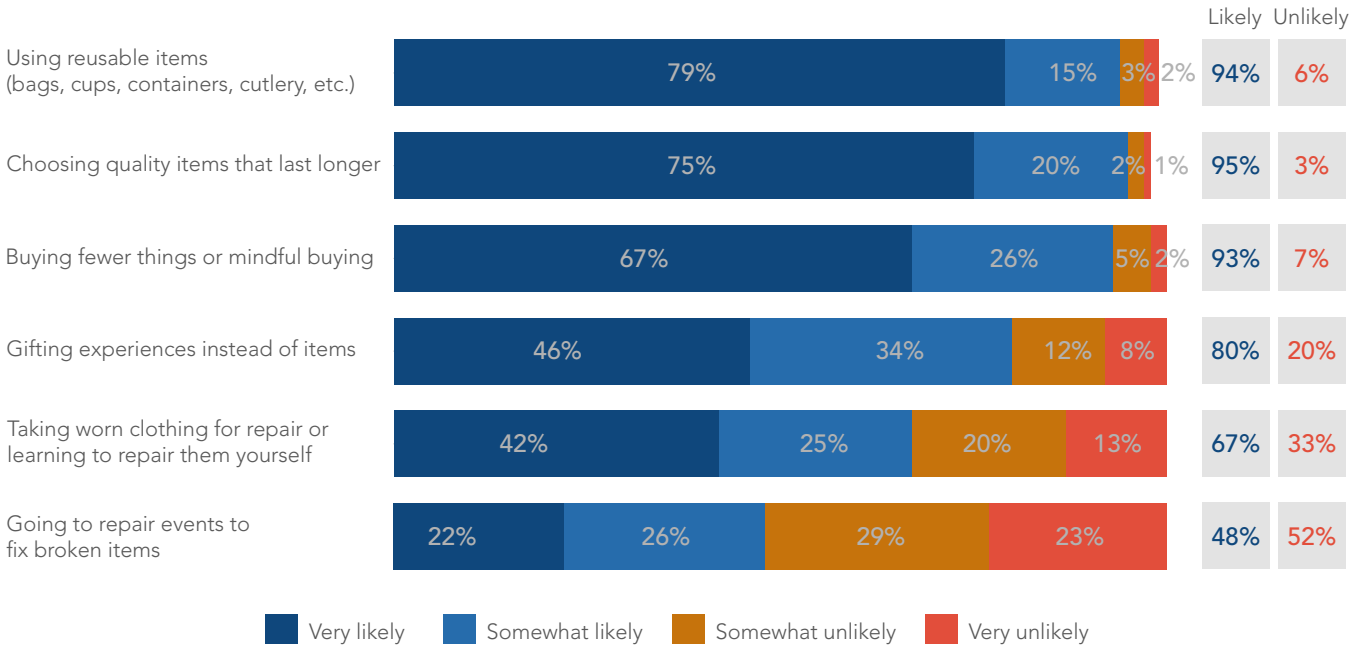
Open-ended responses from Collaborative Engagement participants reinforced these patterns and added further nuance. Many described a deliberate decision-making process focused on questioning necessity, avoiding impulse purchases, and prioritizing repair, reuse, or second-hand options before buying new. Sustainability and lifecycle thinking, including durability, repairability, and waste reduction, featured strongly, alongside reflections on overconsumption and the importance of making intentional, values-based purchasing decisions.

How likely are you to try the following in the next year?

Many questionnaire respondents indicated they were likely to make changes in the next year to prevent waste.

The most popular actions amongst respondents were choosing quality items that last longer (95% saying they're likely to do that, among whom 75% very likely) and using reusable items such as bags, cups, containers and cutlery (94% likely; among whom 79% very likely). Somewhat less popular but still ranked high overall, was buying fewer things or mindful buying (93% likely; 67% very likely).

Gifting experiences rather than physical gift items, was also quite popular, with eight in 10 overall likely (80% likely; 46% very likely). While two-thirds said they are likely to repair worn clothing (67% likely; 42% very likely), this was among the least popular actions, with a third saying they'd be unlikely to do this (33% unlikely; 13% very unlikely). The least popular action was going to repair events, with half saying they're likely to do this (48% likely; 22% very likely) and the other half unlikely (52% unlikely; 23% very unlikely).



Findings from Collaborative Engagement respondents largely reinforced the overall patterns observed in the public questionnaire, particularly in terms of the order of actions participants were most likely to try in the next year.

As with the public questionnaire, everyday prevention behaviours ranked highest among Collaborative Engagement respondents. Using reusable items and choosing better quality items that last longer emerged as the two most likely actions for this group, with 91% and 95% respectively indicating they were likely to take these steps.

Buying fewer items or practising mindful purchasing followed closely, with nine in 10 (90%) reporting they were likely to try this approach, mirroring the open questionnaire.

Where the Collaborative Engagement respondents began to diverge was in their relative openness to repair-related behaviours. While repair actions still ranked lower than prevention-focused behaviours, Collaborative Engagement respondents expressed stronger overall willingness to engage in these activities. Nearly three-quarters (73%) said they were likely to repair worn items or learn to repair at home, and more than two-thirds (68%) indicated they were likely to attend repair events.

Gifting experiences instead of physical items occupied a middle position for Collaborative Engagement respondents, with 77% reporting they were likely to do this. This placement is consistent with the public questionnaire, where gifting experiences ranked below core prevention behaviours but above repair activities.

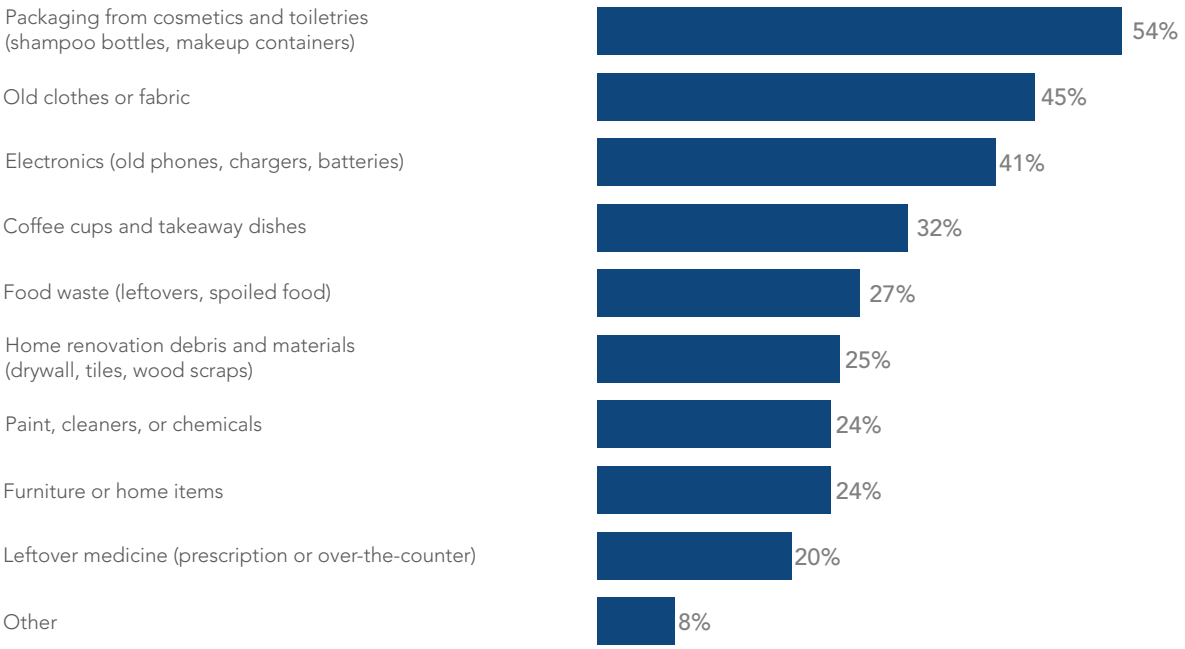
Reduce

What types of waste do you find challenging to avoid?

When looking at waste items that respondents found the most challenging to avoid, there was one that the majority found challenging: packaging from cosmetics and toiletries. Just over half (54%) selected these items from the suggested list.

Rounding out the top three were old clothes (45% saying they're a challenge to avoid disposing) and electronics (41%). A third said the same of coffee cups and takeaway dished (32%) and approximately a quarter reported having a difficult time with food waste (27%), home reno waste (25%), paint, cleaners and chemicals (24%) or furniture (24%). Fewer said the same of leftover medicine (20%).

Among the 8% of respondents who mentioned other types of waste as challenging to them, the most mentioned difficulties were related to other plastic and product packaging, including molded plastics and films, and non-refundable or non-recyclable materials. Respondents also cited issues with other household items such as toys or tool. Several noted challenges with paper and gift wrapping, pet waste, and bulky or specialized waste such as tires, broken glass and aerosols.



Collaborative Engagement respondents also identified a clear set of waste types that they found challenging to avoid, with the most frequently cited challenge plastic packaging, such as food wrappers and plastic wrap, selected by 81% of respondents. Note that this was not an item asked about in the public questionnaire. This placed packaging well above all other categories, reinforcing the strong emphasis this group placed on upstream materials and system-level waste challenges.

Electronics, including old phones, chargers, and batteries, ranked second, which was higher than seen in the public questionnaire, with half of participants (51%) identifying them as difficult to avoid. Packaging from cosmetics and toiletries followed closely at 48%, again highlighting frustration with packaging choices that offer few low-waste alternatives. Old clothes or fabric were identified by 38% of respondents, while coffee cups and takeaway containers were cited by a third (33%), indicating ongoing challenges with single-use food and beverage items.

Roughly three in 10 participants reported difficulty avoiding paint, cleaners, or chemicals (30%) and home renovation debris and materials (28%), while a quarter identified leftover medications (25%) as a challenge. Fewer respondents pointed to furniture or household items (19%) or food waste (11%).

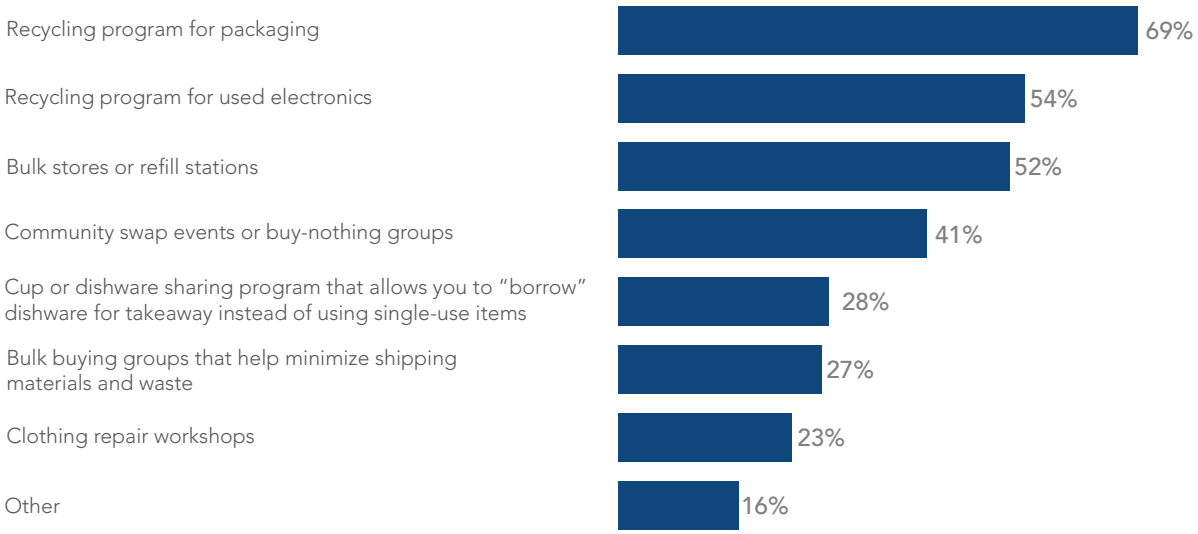
What types of waste reduction programs would you be most interested in?

The majority of respondents indicated an interest in recycling programs for packaging (69%), with just over half also interested in electronics recycling (54%) or buying in bulk or from refill stations (52%). Fewer were interested in community events or buy-nothing groups (42%).

Less popular were cup or dishware sharing programs (28%), bulk buying groups (27%) or clothing repair workshops (23%).

Among the 16% who mentioned other types of waste reduction programs they'd be interested in, many expanded on the list by giving examples or more specific program examples, expanding the range and accessibility of recycling, repair, and reuse programs. For example, some respondents supported community-based reuse initiatives such as free stores and shared tool sheds, as well as food waste and organics solutions, including bring-your-own-container programs for restaurants. Common suggestions called for broader or more convenient recycling opportunities, including drop-off or curbside collection for hard-to-recycle items, dedicated textile and fabric recycling, and specific repair programs for electronics, appliances, and household goods.

Many also wanted manufacturers and retailers to take greater responsibility for packaging waste, through take-back, standardized materials, or bans on problematic plastics. A few respondents emphasized the need for government leadership, financial incentives for low-waste households, and public or industry education to reduce overpackaging at the source.



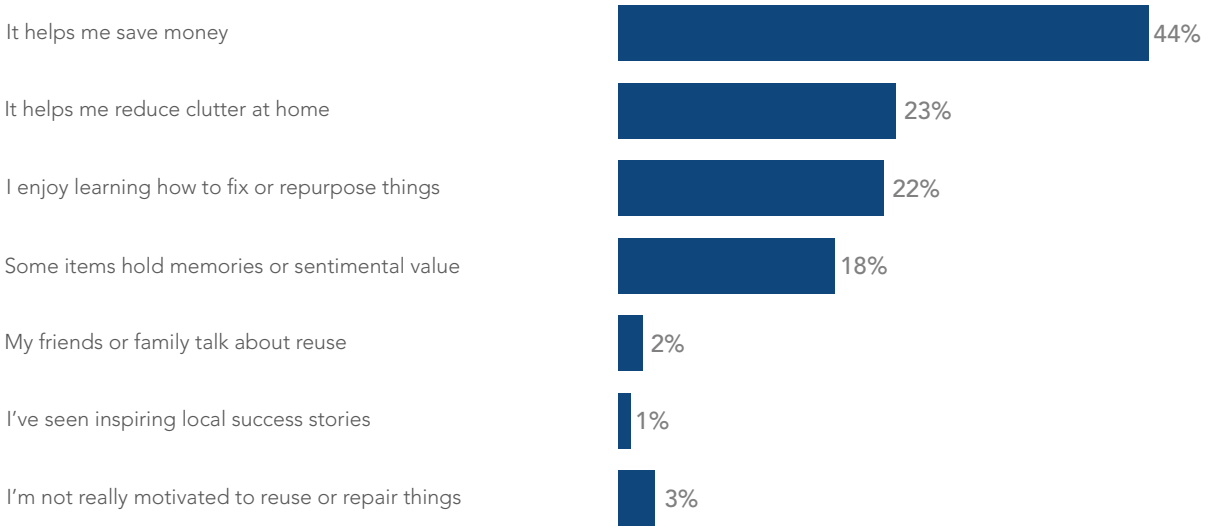
Among Collaborative Engagement respondents, interest in waste reduction programs reflected a similar emphasis on reuse, sharing, and packaging reduction. However, recycling programs for packaging were not the top choice among these respondents. The most appealing options were community swap events or buy-nothing groups (53%) and bulk stores or refill stations (52%). Interest was also high in recycling programs for used electronics (44%) and clothing repair workshops (43%), reinforcing the earlier findings around repair and reuse.

Just over four in 10 participants expressed interest in recycling programs for packaging (42%) and bulk buying groups that help minimize shipping materials and waste (41%). Cup or dishware sharing programs attracted lower, but still notable, interest at 31%. No additional program types were identified in open-ended responses.

Reuse & Repair

What motivates you to reuse items?

By far the most important factor that motivates respondents to reuse items is financial: 44% selected this as one of their top two motivations. Many also said they liked reusing because it reduced clutter (23%), they enjoy learning how to fix things (22%) or they have items of sentimental value they hold onto (18%).



Many also mentioned other motivating factors. The most frequent additions were a strong sense of avoiding waste and moral responsibility, an appreciation for quality, longevity, and durability, and the influence of family or cultural values around thrift and stewardship. Others described personal fulfilment and enjoyment, or a desire to reject consumerism and convenience culture. Additional motivations included convenience and effort avoidance, community sharing and exchange, economic necessity, and social norms.

Findings from Collaborative Engagement respondents reinforced the public questionnaire results, while adding further insight into the motivations behind reuse and repair and the types of shared resources that are most appealing to this group.

Financial considerations emerged as the strongest motivator for reuse, with just over half of Collaborative Engagement participants (53%) indicating that saving money was a key reason to reuse items. Environmental values were also prominent, with 46% citing concern about reducing their environmental impact. Practical considerations followed, including reducing clutter at home (29%) and enjoying the process of learning how to fix or repurpose items (27%). A quarter of participants (25%) also noted that sentimental value motivates them to keep and reuse certain items.

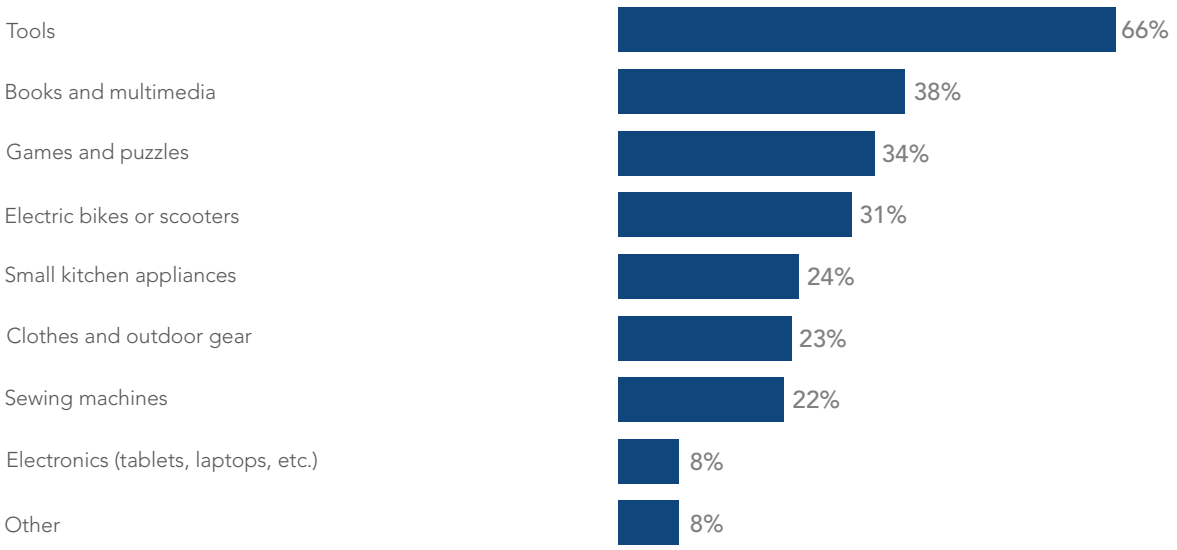
Social influences played a more limited role. Fewer than one in 10 respondents (9%) said they were motivated by friends or family, and very small proportions referenced inspiring local success stories (4%). Only 3% indicated that they were not really motivated to reuse or repair items, suggesting broad openness to these practices within this group.

Open-ended responses further reinforced these findings. Respondents frequently described reuse and repair as part of a values-based mindset, emphasizing stewardship, reducing waste, and making better use of existing resources. Several highlighted cultural or family norms around thrift, fixing items rather than replacing them, and avoiding unnecessary consumption. Others emphasized personal satisfaction, skill-building, or independence gained through repair, while some noted that reuse is often driven by convenience and availability rather than ideology alone.

If there was a 'sharing library' in your neighbourhood, what would you borrow?

Sharing/lending libraries were explored, with the majority of respondents expressing an interest in borrowing tools (66%). Books came in second place (38%), followed by games/puzzles (34%) and electric bikes or scooters (31%). Fewer, yet sizable proportions were interested in borrowing small kitchen appliances (24%), clothes and gear (23%) and sewing machines (22%). Of least interest were electronics lending libraries (8%), and one in 10 said they're not interested in a lending library (9%).

Those mentioning other items cited a variety of examples, including gardening tools and equipment, camping and outdoor gear, children's bikes and bike trailers, sport gear, cleaning equipment, art supplies and furniture (such as for events).



Interest in sharing/lending libraries among Collaborative Engagement respondents further illustrated this orientation toward reuse. Tools were again by far the most commonly selected item, with nearly two-thirds of participants (65%) indicating they would borrow them if available. Books and multimedia were also popular (53%), followed by games and puzzles (42%) and electric bikes or scooters (39%).

A notable proportion expressed interest in borrowing sewing machines (34%), reflecting interest in repair and maker activities. Smaller but still meaningful shares selected electronics such as tablets or laptops (29%), small kitchen appliances (27%), and clothing (24%).

Open-ended comments related to sharing libraries largely expanded on these selections, with participants providing specific examples rather than introducing new categories. Frequently mentioned items included gardening tools and equipment, camping and outdoor gear, sports equipment, children's items, cleaning tools, and event-related items that are used infrequently. Several respondents emphasized that sharing/lending libraries are most useful for items that are expensive, bulky, or rarely needed, reinforcing the appeal of shared access over individual ownership.

Recycle

What would make it easier for you to recycle more?

When asked what would make recycling easier, the majority of respondents (66%) said that more materials being accepted in residential recycling pick-up programs would be an important factor. Almost half of respondents (47%) said that clear instructions on what can be recycled and how would make it easier for them to recycle more, while four in 10 (42%) said the same of having more recycling bins in public areas would do the same.

Three in 10 would like to know what happens to recycled items (30%) and a similar proportion would like to see more drop off locations (28%). A quarter said that tips on how to prepare recyclables would help them. The least popular recycling aid was having more space or larger bins to collect recyclables (11%).



When asked what else would make it easier to recycle more materials, many expanded on existing categories from the list, while others introduced new solutions or priorities. Respondents highlighted system improvements and broader policy changes. The most common suggestion was to simplify and expand residential collection, with calls for harmonized collection systems, single-stream recycling, and curbside pickup for hard-to-recycle materials such as soft plastics and Styrofoam. Many also wanted greater trust and transparency, expressing skepticism about whether recycling actually occurs and calling for transparent reporting and accountability from government and industry.

A main theme involved shifting responsibility upstream, with respondents urging manufacturers, retailers, and restaurants to use recyclable packaging, provide clear labelling, and participate in take-back programs. Others emphasized better access and convenience, including integrated drop-off depots at grocery stores, small neighbourhood centres, and more equitable access for multi-family housing residents. Some respondents also pointed to the need for consistent education and communication, including clear terminology, standardized rules, and visible information at public facilities and transit hubs.

For Collaborative Engagement respondents, the top priority, selected by 57% of respondents, was clear instructions on what can be recycled and how. This contrasted with the public questionnaire, where system capacity and access ranked more prominently as a barrier. For the Collaborative Engagement participants, clarity and consistency in messaging was seen to be a primary barrier to increased recycling.

The next highest priorities for Collaborative Engagement respondents focused on access and convenience, though in a different order than the general population. Just over half (52%) indicated that more drop-off locations would make recycling easier, followed by more recycling bins in public spaces that accept a wider range of materials (47%). Accepting more types of materials in residential recycling pick-up ranked lower at 45%.

Transparency also emerged as a more prominent factor for this group. More than a third (38%) said that knowing what happens to recycled items would help them recycle more, which reflects a higher relative priority than in the public questionnaire, where this factor ranked lower. This finding aligns with other feedback from Collaborative Engagement participants about trust, accountability, and the effectiveness of recycling systems.

By contrast, tips on how to prepare recyclables were of moderate importance (34%), and having more space or larger bins at home ranked lowest (21%), reinforcing the idea that household storage constraints were less of a barrier for this group than system complexity and information gaps.

Open-ended responses reinforced these distinctions.

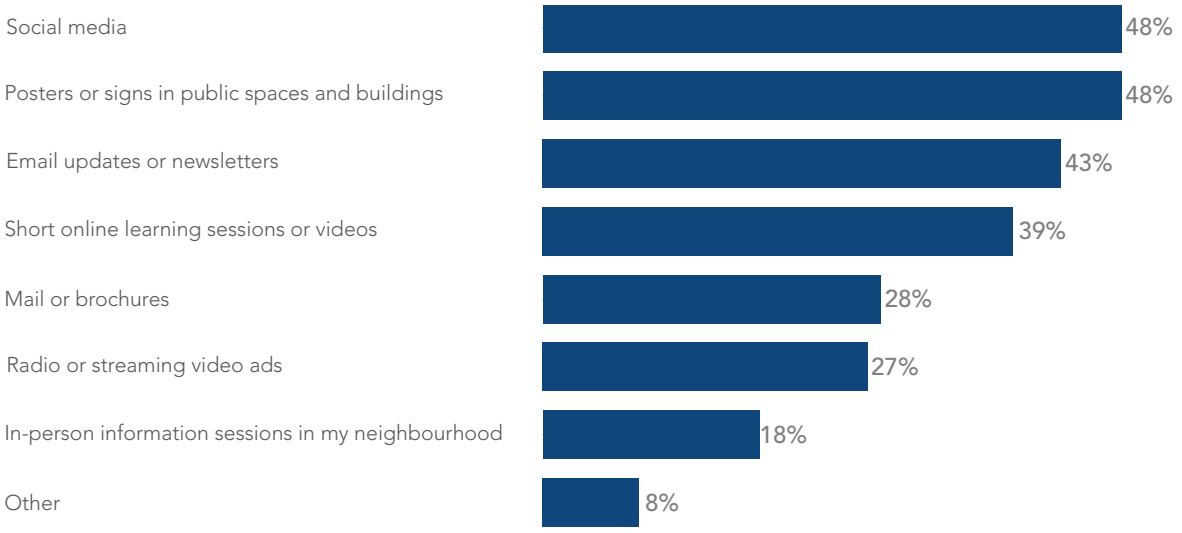
Collaborative Engagement respondents frequently emphasized the need for simpler, more standardized recycling systems, with fewer exceptions and clearer labelling across products and jurisdictions. Many called for consistent rules, improved communication, and visible confirmation that materials are actually recycled. Others highlighted the importance of integrated drop-off locations and equitable access for people in multi-unit buildings.

Education and Resources

How would you like to learn more about recycling, reuse, and repair programs?

For the most part, respondents wanted to learn about recycling, reuse and repair programs through social media and posters or signs in public spaces. Half of respondents (48% each) selected those as their preferred information channels. Many would also like to receive emails on this topic (43%) or attend short online learning sessions or watch videos (39%). There was slightly less enthusiasm for mail/brochures (28%) and radio or streaming video ads (27%), with in-person neighbourhood information sessions the least popular.

Among the 8% of respondents who suggested other ways to learn about these programs, the most commonly mentioned was online (website or clear search results), through an app, or through school or other educational programs.



Preferences for learning about recycling, reuse, and repair among Collaborative Engagement respondents aligned with results from the public questionnaire with a strong emphasis on visible, accessible, and digitally supported communication channels.

The most preferred learning channel was social media, selected by half (50%) of participants, followed closely by posters or signs in public spaces and buildings (48%). More traditional information formats also remained relevant, with 38% indicating a preference for mail or brochures and nearly one-third (32%) selecting email updates or newsletters. Fewer participants expressed interest in radio or streaming ads (27%) or in-person neighbourhood information sessions (26%), while short online learning sessions or videos ranked lowest among the listed options (21%). Very few respondents (1%) suggested other learning methods.

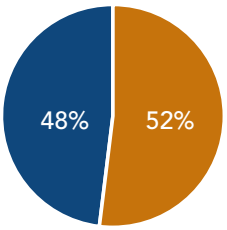
Open-ended responses reinforced these preferences and emphasized the importance of clear, centralized, and easy-to-find information. Respondents frequently noted that information is most useful when it is concise, consistent, and available at the point of decision-making. Several respondents suggested toolkits, workplace-based education, or sector-specific guidance tailored to organizational or professional settings, reflecting this group's interest in applying waste-reduction practices within institutional contexts rather than solely at the household level.

Overall, while the preferred channels closely mirrored those of the general population, Collaborative Engagement respondents placed particular emphasis on communication that is practical, visible in everyday spaces, and adaptable to organizational use.

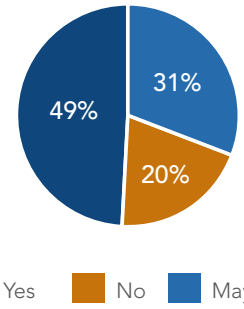
If you live in an apartment, condo, or townhouse, would you be interested in a short learning series about recycling and waste if it was offered online?

Among respondents who live in multi-unit dwellings, eight in 10 said they'd be interested in a short learning series about recycling and waste if it were offered online, were either definitely interested (49%) or maybe interested (31%).

Do you live in an apartment, condo, or townhouse?



If yes, would you be interested in a short learning series about recycling and waste if it was offered online?



Respondents living in a multi-unit dwelling were also asked for ideas on how to make it easier to recycle food waste in their building. Respondents shared many practical ideas. The most frequent suggestions focused on clearer education and signage, including multilingual materials, welcome kits for new residents, and reminders in shared waste areas. Many emphasized cleanliness and maintenance, requesting leakproof or pest-proof bins, regular cleaning, and convenient access to facilities. Providing free or affordable compostable liners was one of the strongest recurring ideas, as was ensuring that every building has suitable organics collection infrastructure and visible management support.

Several respondents also wanted building-level waste champions or on-site composting programs that connect food waste to community gardens, while others recommended enforcement for contamination or policy incentives for compliance. A smaller number noted that reducing food waste at the source through food literacy, smaller packaging, and community sharing would help more than focusing solely on collection systems.

A substantial proportion of Collaborative Engagement respondents (55%) reported living in a multi-unit dwelling such as an apartment, condo, or townhouse.

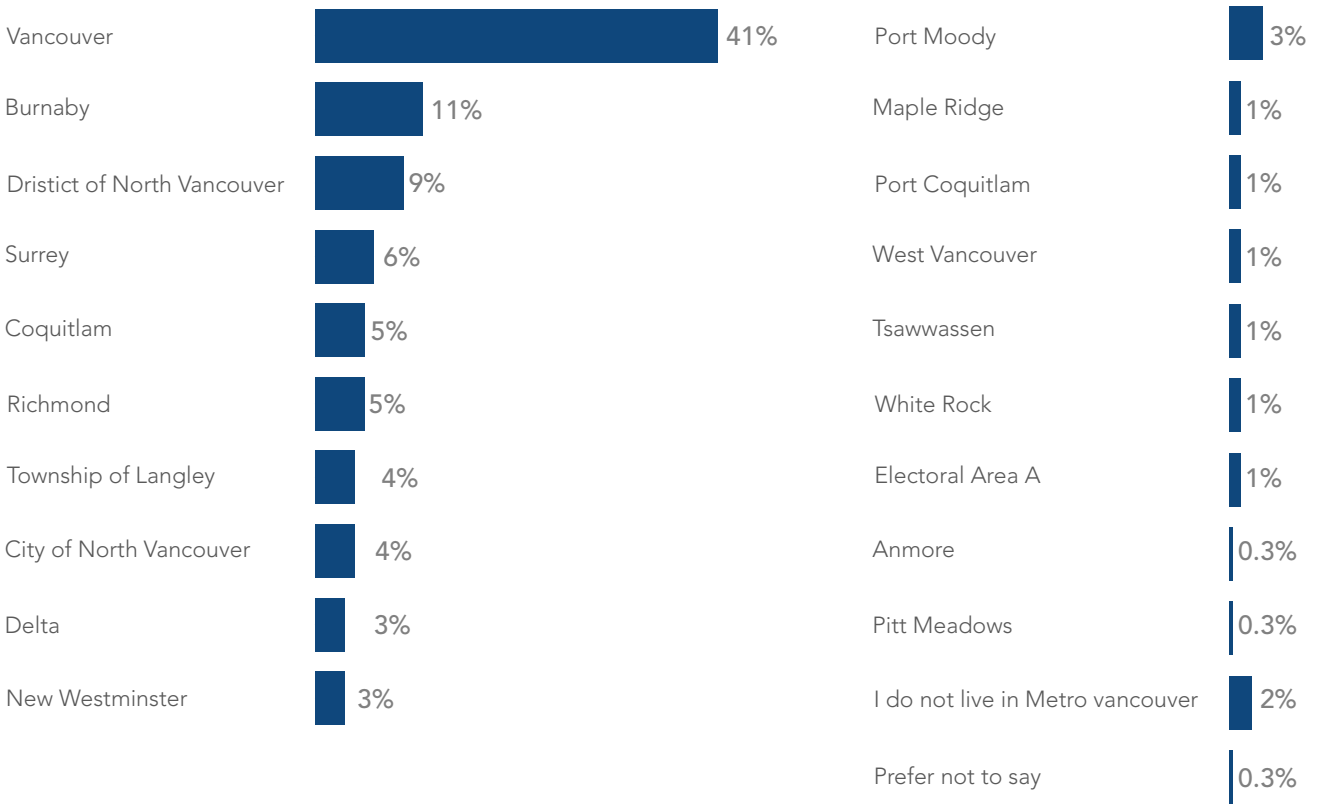
More than half of those participants (56%) said they would be interested in a short learning series about recycling and waste if it were offered in their building or online, while nearly one-third (32%) indicated they might be interested. Only 13% said they would not be interested. This pattern is consistent with the broader questionnaire findings and suggests strong receptiveness to low-barrier, accessible learning opportunities in multi-unit settings.

Open-ended responses about improving food-waste recycling in buildings closely aligned with overall questionnaire themes and emphasized practical, system-level solutions. Participants most often highlighted the need for better signage and education, including clear instructions and reminders in shared waste areas. Clean, pest-proof, and well-maintained infrastructure was another recurring theme, alongside reliable access to compostable liners. Many also stressed the importance of clear responsibility for maintenance and oversight, noting that food-waste diversion is more successful when expectations are supported by consistent building-level management.

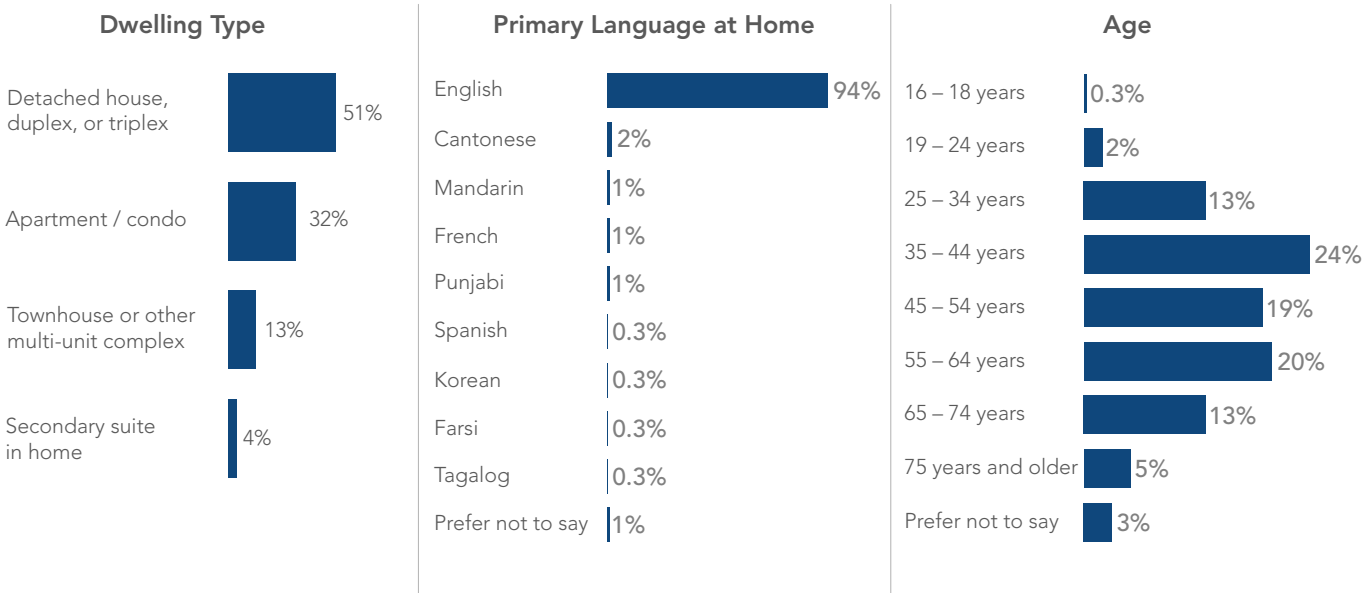
Several respondents went further to emphasize the role of organizational leadership and policy, suggesting that successful food-waste recycling in multi-unit settings depends on visible support from building managers, strata councils, or employers, and not just individual resident behaviour. These insights reinforce the importance of pairing education with operational support and accountability in multi-unit environments.

Who Responded

Respondents to the public questionnaire available on Metro Vancouver website came from across the Metro Vancouver region, with the largest group from Vancouver.



Half of respondents lived in a detached house (51%), three in 10 in an apartment/condo (32%) and 13% in a townhouse or multi-unit complex. The majority were Anglophones (94%). Most age categories were represented, with 39% being 44 years of age or younger, 39% between 45 and 64, and 18% 65 years of age or older.



Collaborative Engagement respondents also came from across the region, with four in 10 (43%) from Vancouver and the rest from other areas. They were mostly divided between those living in detached houses, duplexes or triplexes (41%) or in apartments or condos (40%), with many (8%) living in social or supportive housing, or SROs.

Most (84%) were English speakers, with the next-largest group citing Mandarin as their primary language (5%).

Note that some Collaborative Engagement organizations requested translated versions of the questionnaires, which they used to receive feedback from participants in multiple languages including Chinese, Russian, and Spanish.

When looking at age, younger respondents were significantly more represented among Collaborative Engagement respondents, with 16% between 16 and 18 and another 5% between 19 and 24. Three in 10 (29%) were between 25 and 44; almost half (45%) were older.

7. Engagement Feedback – What We Learned and How We Are Responding

Below is a thematic summary, in alphabetical order, of what we learned throughout the engagement phase from all methods and groups, excluding the questionnaire findings as reported above. The table below also includes Metro Vancouver's intended response to each area of priority, describing how the feedback has been considered to define the strategies and actions included in the updated solid waste management plan.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Circular Economy and Waste Prevention	This theme focuses on the need for the plan to shift from disposal-focused systems toward preventing waste in the first place. Feedback emphasized that real circularity starts with how products, packaging, and systems are designed, making reuse, repair, and conservation the default rather than relying on solutions like incineration or waste-to-energy. The focus is on keeping materials in use longer and avoiding waste before it is created. Feeback highlighted the need to apply this approach consistently across planning and policy, prioritizing waste reduction over disposal. This includes reducing packaging, strengthening producer responsibility, and expanding reuse and sharing initiatives such as repair cafés, refill programs, item libraries, and buy-nothing groups. This theme also highlighted embedding circular practices in buildings and public purchasing by supporting durable, repairable products, right-to-repair efforts, and construction practices that enable reuse of materials. While there were differing views on how to manage remaining waste, prevention and circularity must be central to future waste and resource policies.	The waste hierarchy for the updated solid waste management plan emphasizes the importance of rethinking waste, with a goal of transitioning to a more circular system. Strategies and actions under this level of hierarchy, as well as some under reuse and recycle, reflect the themes heard during engagement. For example, Draft Strategy 1.2 is "Help lead the transition to a more circular regional economy through waste prevention" and Draft Strategy 3.5 is "Increase access to and foster the broad adoption of reuse, refill, and repair".

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Cost, Funding, and Economic Feasibility	This theme highlights questions about how the proposed actions and strategies will be paid for and whether they offer good value for money. Feedback emphasized the need for clear information on total costs, available funding, and how expenses would be shared among governments, businesses, and households. Keeping programs affordable over time was seen as critical to public support and successful implementation. Feedback also highlighted the importance of market viability, demand for recycled materials, local end markets, and job creation, particularly models that support both high-skill innovation and low-barrier employment. Businesses were clear that participation depends on bottom-line impacts: actions must save money, reduce risk, or provide tangible incentives. Particularly for small and medium-sized businesses, incentives, grants, deposits, rebates, and procurement levers were generally preferred over additional regulation. At the same time, some cautioned against over-regulation, administrative burden, unfunded mandates for municipalities, and programs that shift costs onto those least able to pay. The overall message received is that there is an expectation that waste and circular economy strategies be financially realistic, fair, and supported by transparent funding mechanisms. Within this context, some participants raised questions about governance and delivery models, including whether continued public ownership of waste and recycling infrastructure represents the most cost-effective and risk-balanced approach. While some agreed with staff that privatization is unadvisable, others argued that a regulated private model could achieve comparable performance while shifting financial and operational risks away from taxpayers. Concerns were raised about the absence of a transparent cost–benefit analysis comparing public and private approaches, particularly given the scale of planned capital investments and long-term financial commitments.	The draft solid waste management plan includes a financial overview outlining the process by which plan initiatives will be considered by the GVS&DD Board. Expenditures beyond the existing solid waste budget will be business cased prior to implementation, considering impacts to Metro Vancouver as well as other organizations who are involved or impacted. Initiatives and their accompanying expenditures will be prioritized according to their ability to meet the plan targets. The suite of secondary metrics that will be reported on during implementation of the plan includes the number of circular jobs, and strategies such as 4.2 "Encourage the development of new recycling infrastructure", speak to demand and end markets. The current solid waste system includes a series of recycling and waste centres owned by Metro Vancouver. The private sector plays an important role in operating those facilities under contract, as well as operating numerous private facilities across the region. Metro Vancouver remains dedicated to delivering a cost-effective system available to all residents and businesses, with consistent rules across facilities such as disposal bans to encourage recycling. Metro Vancouver is open to receiving any information demonstrating other systems or models that have performed well and achieved high recycling rates.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Data, Metrics, Reporting, and Transparency	This theme focusses on the need for clear and reliable data to track progress on waste reduction and circular economy efforts. Feedback emphasized that consistent data collection, simple performance measures, and easy-to-access public reporting are essential to understand what is working and where changes are needed. Transparent information helps hold governments, businesses, and service providers accountable and builds public trust. Participants want better tracking of where materials end up, how programs perform, and whether projects should be improved, expanded, or ended. This includes clear records of decisions and outcomes, not just high-level summaries. Concerns were raised about unclear methodologies, inconsistent metrics across municipalities and sectors, and limited visibility into how diversion, recycling, and disposal figures are calculated. This theme also underscored the need for financial transparency and strong monitoring. Reporting on budgets, fees, funding decisions, and compliance helps people understand how the system works and how money is spent. There was general support for standardized regional metrics, clearer decision criteria, and pairing actions with monitoring frameworks. At the same time, some cautioned against excessive administrative burden and "reporting for reporting's sake," stressing that data must be actionable, comparable, and clearly tied to outcomes, accountability, and continuous improvement.	Metro Vancouver's methodology for calculating and sharing solid waste statistics is provided as part of its annual reporting process. The draft plan includes an updated suite of metrics which will help create a more fulsome understanding of waste management in the region, such as the number of circular initiatives implemented by Metro Vancouver and its members, recycling rates by sector, and contamination in organics recycling. These metrics, and others, will be reported as part of the plan monitoring process.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Education, Engagement, and Behaviour Change	This theme highlights the need to focus on actively fostering new habits, actions, and long-term behaviour change. Feedback emphasized: • waste reduction and circular economy success depends on people feeling confident, supported, and motivated to act — not just informed • the need for clear, consistent education paired with practical tools and ongoing engagement Participants stressed the importance of simple, clear guidance, especially about "what goes where" to reduce confusion and frustration. It was also noted that while information exists, it is often fragmented, overly complex, poorly promoted, or disconnected from everyday decision-making, leading to confusion, apathy, or defaulting to disposal. Education should be tailored to the unique needs of different groups, including youth, newcomers, renters, businesses, and specific sectors, and delivered in ways that are accessible and inclusive. Education was seen as most effective when delivered through familiar and trusted channels such as schools, community centres, libraries, workplaces, and social media and when paired with real-world examples, demonstrations, and local success stories. Youth-centred and school-based education was strongly supported as a long-term strategy to normalize waste prevention and influence household behaviours. Feedback also emphasized that education should not replace but support policy, infrastructure, and incentives. By combining targeted outreach with practical tools and broader systemic support, communities and organizations can build lasting behaviour change that supports waste reduction and circular economy goals.	Many initiatives in the updated draft plan correspond to these themes, including strategies for providing tailored education and simplifying information on recycling. The plan also includes a section on education and outreach which highlights the importance of behaviour change campaigns.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Equitable and Accessible Approaches to Waste Management	This theme emphasizes the need for waste reduction and circular economy strategies that are inclusive, and responsive to the diverse needs of communities. Effective systems must remove barriers to participation by accounting for cultural practices, language needs, disability and age-related accessibility needs, as well as differing levels of access to information and services. Ensuring that programs work across all housing types, income levels, and community contexts is essential to avoid placing disproportionate burdens on specific groups. During public engagement, there were some comments that the plan should explicitly emphasize Indigenous inclusion and reconciliation. Suggestions included highlighting Indigenous knowledge systems such as land-based teachings, food sovereignty, and permaculture as foundations to waste reduction and circular practices. There were also mentions of practical barriers in First Nations communities, such as reliance on private haulers and limited infrastructure, creating gaps between regional plans and implementation, and comments pointed to the need for dedicated resources, culturally grounded education, and Indigenous-led pilots to ensure meaningful, community-driven outcomes. Comments underscored the importance of offering multilingual and plain-language resources, culturally responsive communication, and community-based delivery models that meet people where they are. Concerns were centered on practical accessibility challenges that are embedded in current systems. It was noted that many waste programs assume access to a car, flexible schedules, or certain forms of housing — conditions that often disadvantage low-income residents, newcomers, youth, seniors, people with disabilities, and people living in multi-family buildings. Suggestions included providing more local drop-off points, transportation support, help carrying items, accessible facilities, honoraria or childcare for participation, consistent and predictable program timing, and clearer guidance for landlords and tenants to enable simplified and fair participation in multi-family settings. There were also calls for Metro Vancouver to act as a regional leader in developing translations and accessible templates/tools so municipalities can apply them consistently.	Inclusive solid waste programs and services is a guiding principle of the draft plan, to be considered in implementation of all the plan's actions and strategies. The draft plan also includes an accessibility section which builds on feedback provided during engagement to provide examples of how Metro Vancouver can continue to strive for accessibility in solid waste management, such as providing clear visual indicators at Metro Vancouver recycling and waste facilities. Draft action 1.4.7 is "Explore ways to measure diversity, equity, and inclusion in solid waste starting with current practices and gaps".

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Human and Environmental Health	This theme focuses on reducing risks to people and ecosystems throughout every stage of the waste management lifecycle. Feedback emphasized concerns about toxicity, contamination, emissions, and overall hygiene, highlighting the need to manage waste in ways that protect both immediate public health and long-term environmental well-being. Some stressed that meeting existing regulatory standards does not necessarily mean avoiding harm, and called for updated health-based thresholds, continuous emissions monitoring, and transparent public reporting, particularly for facilities that burn or process mixed waste. Monitoring air quality, greenhouse gas emissions, and other pollutants was identified as essential when making waste management decisions. This theme also points to the need for waste systems that are resilient and prepared for emergencies such as flooding, extreme weather and infrastructure failure and emphasizes the need to plan for climate impacts, natural disasters, aging infrastructure, and debris management during crises. Food waste prevention, compost quality, and food security were also linked to long-term health and environmental protection. This includes ensuring the safety of food and organics systems, maintaining clean handling practices, and preventing pests, allergens, and other hazards that can arise from poorly managed waste streams.	The Vancouver Landfill and the Waste-to-Energy Facility serve the region as cost effective and environmentally responsible disposal options. All air emission related parameters monitored in 2024 were well below regulatory limits specified in the Waste-to-Energy Facility Operational Certificate, issued by the Province. The facility's contributions of nitrogen dioxide, fine particulates, and anthropogenic (human caused) greenhouse gases are less than 1% of regional emissions. Emission data is reported to regulatory agencies and posted on the Metro Vancouver website. Continuous emissions monitoring results are also posted on the website in real-time. Disaster debris management is not part of the solid waste management plan, since it is the scope of the Joint Municipal-Regional Disaster Debris Management Operational Plan.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Managing Complex Materials	Feedback reflected concern about managing materials that fall outside standard recycling systems. Confusion, inconvenience, and lack of access were flagged as key barriers for materials such as textiles, bulky items like furniture and mattresses, soft plastics, electronics, healthcare waste, and construction and demolition materials. Lack of clarity in the reuse, recycle and disposal processes contributes to the challenge for households and businesses to handle these materials responsibly. A key issue is confusion about "what goes where." Guidance varies across municipalities and many materials lack end-of-life solutions and collection options. For textiles and bulky items, participants emphasized that reuse alone is insufficient at end-of-life and called for expanded textile recycling options, clearer separation of clothing and footwear streams, and more accessible collection models such as depot-based systems, seasonal or scheduled pickups, and pilots in multi-family buildings. Similar concerns were raised for soft plastics and packaging, with strong support for curbside or local collection and upstream action to reduce soft plastics and over-packaging. For furniture and mattresses, residents stressed the need for regionally consistent pickup programs. For healthcare items, concerns about hygiene, safety, and stigma create additional barriers. To improve outcomes, participants called for clearer, province-wide rules, better take-back and producer responsibility programs, stronger requirements for reuse and deconstruction, especially in construction, and more accessible collection options.	Strengthening extended producer responsibility programs, managing complex materials, and simplifying recycling education are all referenced in the strategies and actions of the draft plan. For example, Draft Strategy 3.2 is "Enhance extended producer responsibility programs", Draft Strategy 4.5 is "Make recycling more effective by simplifying sorting", and Draft Strategy 6.4 is "Monitor disposal options for waste that requires specialized disposal."

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Operations and Infrastructure	This theme focuses on the infrastructure and physical systems, land-use decisions and operational capacity required to successfully implement waste reduction and circular economy strategies. Feedback emphasized that actions must be operationally feasible and supported by infrastructure first, with many noting that education, incentives, or bans will not succeed without convenient, accessible services already in place. Feedback also highlighted the importance of understanding where waste and recycling facilities can be located, and ensuring that services, such as depots, curbside collection, and specialized pickups, are accessible and adequately distributed. Participants noted that physical constraints, such as available space, building design, and the capacity for additional bins or equipment, can significantly affect program success. Staffing needs, training, and workforce planning were also identified as critical operational elements that must be considered early in the planning process. Feedback highlighted concerns about whether the region has sufficient local processing capacity to handle current and future material streams, especially as circular economy initiatives expand. Feedback also pointed to the need for technology and automation (e.g., optical sorting, sensors, digital tools) to improve efficiency and reduce contamination and costs, as well as the importance of understanding the logistical realities of moving, storing, and processing materials across the region. Reconsider the ongoing role of waste-to-energy, with calls to phase out the Waste-to-Energy Facility from parties including the Fraser Valley Regional District, citing air quality and cost concerns. In addition, some participants asserted that continued reliance on incineration conflicts with prevention-first and circular economy goals by supporting disposal-driven outcomes. Feedback emphasized that waste-to-energy should be treated as disposal rather than recovery, and that phasing out the facility would help redirect resources toward solutions such as waste reduction, reuse, repair, and improved product and packaging design.	The draft plan contains a recycling and waste centre strategy which outlines priorities for the development and upgrading of regional solid waste infrastructure. Metro Vancouver is committed to encouraging private sector solutions to increase waste reduction and recycling in the region. Expansion of recycling and reuse drop-off services are expected to be primarily for the purpose of expanding services for customers delivering loads in small vehicles. Metro Vancouver may consider further expansion of services in some circumstances, listed in the updated plan. Disposal at the Waste-to-Energy Facility is classified as "disposal" rather than recovery. It is the last resort after all efforts to reduce waste and recycle. Strategy 6.1 in the initial draft solid waste management plan is "Continue to use Vancouver Landfill and the Waste-to-energy Facility as primary disposal systems. The cost of disposing garbage at these facilities is roughly half the cost of remote disposal options, and continuing to use these facilities benefits the region economically and allows Metro Vancouver to continue to maximize associated environmental benefits such as energy recovery and utilization.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Plan Scope, Clarity, and Definitions	This theme highlights the need for a waste management strategy that is well-structured, transparent, and actionable. Feedback emphasized that clearly defining the scope of the plan and the purpose of each action is essential to avoid uncertainty and to ensure stakeholders understand the plan goals. Establishing precise definitions for key terms, such as diversion, recycling, recovery, and convenience, was seen as critical for creating a shared understanding. For example, participants cautioned against conflating recycling with recovery, noting that energy recovery results in the permanent loss of materials and should not be counted as recycling. They emphasized that clearly distinguishing material recycling from recovery and disposal is essential to avoid misrepresenting outcomes and to keep the plan aligned with waste hierarchy and circular economy principles This feedback emphasizes the need for a clear, well-organized plan that follows waste hierarchy and circular economy principles. Each action should clearly explain what it aims to achieve, who is responsible, timing, and how progress will be measured. Some participants also requested clearer prioritization, reduced duplication across actions, and realistic sequencing/phasing over the 10-year horizon so the plan is implementable. By embedding these systems, the plan can track progress, report outcomes with accountability, and build public confidence. Developing a clearly written plan will help to ensure consistent and effective implementation across the region.	Following options analysis engagement, Metro Vancouver updated and consolidated the draft list of strategies and actions options to reduce duplication and improve clarity. The draft plan takes a dynamic approach to the scheduling of strategies and actions which uses the plan monitoring process to prioritize initiatives throughout the life of the plan. In response to feedback on recovery v.s. recycling, in the initial draft solid waste management plan, recycling as material has been separated from recovery. Recycling speaks to only recycling as material, while a separate target for 'diversion' includes both recycling for material and recovery. Definitions for both are provided in the glossary of the plan, based on provincial definitions from the Province's *Guide to Solid Waste Management Planning*.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Policy, Regulation, and Enforcement	This theme highlights the need for clear roles, strong coordination, and consistent rules to support waste reduction and circular economy goals. Feedback emphasized that responsibilities across Metro Vancouver, municipalities, the province, and the private sector must be clearly defined to avoid confusion or overlap. A coordinated regional approach would help ensure policies and enforcement are aligned and working toward the same outcomes. It is necessary to implement clear and effective policy tools, including zoning and land-use rules that support waste and recycling facilities, as well as strong enforcement and compliance systems. Measures such as disposal bans, material restrictions, and expanded producer responsibility programs were seen as important ways to drive change and ensure accountability across businesses and service providers. However, some pointed out that enforcement of existing rules should be strengthened before introducing new regulations, and that new bans should only be introduced once adequate reuse/recycling infrastructure is in place (to avoid waste leaving the region). Business/institutional compliance was repeatedly flagged as a priority area for stronger source-separation requirements and regulatory "teeth." Feedback also highlighted the need for stronger collaboration among governments, businesses, non-profits, community groups, and Indigenous communities. Indigenous leadership and co-creation were highlighted as priorities, alongside more formal structures for shared decision-making. Clear decision-making, consistent enforcement, and strong partnerships are essential to building a fair, and effective, waste and circular economy system.	The draft plan outlines the role of various government entities and the private sector in solid waste management. The strategies and actions in the draft plan consider improvements to existing policies and guidelines to work towards greater consistency. The draft plan also outlines a regulatory strategic approach under which any new regulations would be considered under a separate, dedicated engagement process.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Roles, Responsibilities, and Collaboration	This theme highlights the importance of clearly defining how Metro Vancouver, municipalities, and other regional and local sectors work together to advance waste reduction and circular economy goals. Feedback emphasized that clarity around jurisdictional authority, leadership roles, and areas of responsibility is essential to avoid duplication, fill gaps, and ensure efficient, coordinated implementation. A strong, shared understanding of "who does what" provides a foundation for consistent policy development and delivery across the region. Strong emphasis was placed on accountability, including alignment with international frameworks (e.g., SDGs), clear KPIs, and visible follow-through. Another key theme was the importance of building intentional and diverse partnerships. There was a call for strong collaboration between governments, businesses, nonprofits, community groups, and institutions to deliver integrated solutions that reflect community needs and industry realities. Public feedback also noted the importance of partnering with First Nations, and meaningful participation from Indigenous organizations and communities. Strengthening governance structures, decisionmaking processes, and mechanisms for shared oversight was seen as essential for building trust, ensuring accountability, and fostering long-term commitment across all sectors.	The draft plan outlines the role of various government entities and the private sector in solid waste management. The strategies and actions in the draft plan consider improvements to existing policies and guidelines to work towards greater consistency. A framework for reporting on plan progress is provided with key performance indicators – primary and secondary metrics – outlined. The draft plan also specifies a series of member jurisdiction actions, which are intended as areas of focus for members to consider, recognizing the important role of member jurisdictions and their unique goals and priorities.

PRIORITY / INTEREST	WHAT WE LEARNED	HOW WE'RE RESPONDING
Standardization, Convenience, and Simplification	This theme reflects a strong call for waste systems that are simple, consistent, and easy to use. Feedback emphasized that the waste system is too fragmented, confusing, and difficult to navigate. Inconsistent rules across municipalities, buildings, public spaces, and workplaces create frustration, reduce trust, and discourage participation especially for people who live, work, or travel across multiple jurisdictions. Many stressed that residents care less about who manages the system and more about having clear, consistent expectations everywhere. Convenience was seen as essential but nuanced. Participants cautioned that poorly designed "convenient" systems can increase contamination; instead, convenience should come from better infrastructure, standardized accepted materials, clear signage, and reduced decision-making for users. Strong support emerged for harmonized regional approaches to curbside collection, large and bulky item pickup, depot access, and recycling while allowing flexibility in service delivery models. Participants called for clear visual cues such as bin colours, labels, icons and plain-language signage showing both what can and cannot go in each bin. Centralizing information through a single website, app, or map was also seen as an effective way to help residents and businesses easily find clear and accurate guidance. Simplifying forms and processes was also highlighted as a way to remove barriers and help people participate correctly. Simple, consistent, and convenient systems were seen as essential to improving participation and outcomes across the region.	"Make it easier to recycle effectively" is a goal of the draft plan. Several strategies and actions under this goal area reflect making the system not only more convenient, but more effective by reducing contamination through clear education. Example strategies include Draft Strategy 4.4: "Make recycling easier by improving convenience" and Draft Strategy 4.5: "Make recycling more effective by simplifying sorting."

8. How Feedback Will Be Used

Feedback from this engagement phase has helped to define which strategies and actions will be included in the updated solid waste management plan. The updated solid waste management plan will be developed for consideration by the GVS&DD Board, prior to it being submitted to the Minister of Environment and Parks for approval.

9. Next Steps

This engagement summary report will be presented to the Zero Waste Committee and GVS&DD Board in early spring 2026.

If you have any questions or comments about this project, please contact 604-432-6200 or zerowaste@metrovancouver.org.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Solid Waste Management Plan - Options Analysis Feedback log

Please see note at bottom of feedback log, regarding Metro Vancouver's process for responding to and incorporating feedback received during Options Analysis.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Engagement Question/Discussion Topic	Feedback/Comment
1	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Criteria	Add in the liability component.
2	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Criteria	Have separate column that holds themes more broadly applied – like resilience.
3	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Criteria	Collaboration – move to a general category that applies to all of the themes – not just economic.
4	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Criteria	Consider adding an operational column – practicality of application of each of the criteria to each theme. Remove "general" – change to "operational"
5	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Criteria	Does the criteria address out of region disposal facilities processing garbage within Metro Vancouver region?
6	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Criteria	What happens if two criteria are opposing? Is there a hierarchy for how to chose? Are the criteria weighted equally or are some more important?
7	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Goals	**Goal 1 – Prioritize waste prevention** • Change to "waste reduction and prevention" • Prioritizing waste prevention seems counter productive to promoting market growth. The need to prevent waste is a good goal, but it needs to be done sustainably so industry can adapt as necessary to changing market dynamics.
8	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Goals	**Goal 2 – Keep materials in use as long as possible** • It should more clearly state that that materials and products are kept cycling in their highest and best value/use.
9	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Goals	**Goal 3 – Make is easier to recycle effectively** • What does this mean for waste and recycling industry? • Challenged by practical aspects – how is this achieved? • Words like "effectively" and "responsibility" are not well defined or actionable; subjective/ambiguous. • Begins at the consumer level. If there's no incentive, then the problems begin. Education is core.
10	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Goals	**Goal 4 – Dispose of remaining garbage responsibly** • If you're following the hierarchy – it makes this goal irrelevant.
11	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Goals	Affordability is missing in the goals - it was a top priority in the guiding principles
12	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Goals	Missing references to collaboration and competition.
13	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Goals	Didn't see anything about technology or innovation – how can we promote innovation in Metro Vancouver?
14	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Goals	Should add a goal related to investment in business and industry.
15	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Concern for businesses that deal in disposal – perception that they are ranked lower in the hierarchy.
16	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Composting and anerobic digestion are not included. Compostable products, where do they fit (recycled as material or recycled as energy?) We know fibre can be composted, recycled as energy with the disposal side of things.
17	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	What about cement production which produces energy, which then produces a product. Why should it not count as high priority as recycled as material rather than recycled as energy?
18	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	The hierarchy doesn't specifically include metal recycling – why isn't it included? It's a good percentage of what is generated.
19	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Animal rendering – where does that even fit?
20	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	May be hard for average consumer to understand the applicable meaning of "reduce".
21	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Possibly expand on definitions of what would fall under each classification – definition is important for each of the steps.
22	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Need to define "recycle".
23	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Alternative to "recycle as energy" is "waste-to-industry" or "recycle as energy for industry" because you're driving economic value so put it higher in the hierarchy.
24	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	First two items in the hierarchy are manufacturer or consumer driven. Haulers have no ability to reduce, but they will recover materials.
25	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Counter view: On us on waste collectors to educate customers about waste prevention as well – so industry does have a role.
26	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	"Recycle for energy" isn't actually recycling – it is displacing fossil fuel but not actually recycling anything.
27	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	"Reduce" should be up to government; everything below that is more relevant to industry/private sector action.
28	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Disagree with not including Waste-to-Energy/landfill outputs in "recycle as energy"; not clear why this would be separated out.
29	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	"Recycle as energy"; should be understood as looking for opportunities to replace fossil fuel use with cleaner alternatives – this seems confusing when Waste-to-Energy outputs are not represented in the same way.

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30	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	“Repurpose” or “use as fuel” makes more sense than “recycle as fuel”.
31	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	“Recycle as energy” should also be greyed out (like disposal) or moved to the bottom of the hierarchy with disposal.
32	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Anything to do with fuel should go at the bottom.
33	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Create more definitions and differentiations to describe the two sections of recycle as disposal and recycle as energy –
34	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	“Recycle as energy” is confusing. It is ultimately the same thing as Waste-to-Energy so why is it classified differently?
35	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Hierarchy doesn’t need to be a triangle; consider other ways to model it visually.
36	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Suggest splitting the bottom disposal triangle to ensure we account for waste-to-energy and landfill separately without indicating one is preferable over the other.
37	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Bottom triangle should be bifurcated and pointing in a different direction all together.
38	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Waste-to-Energy should not be at the very bottom as disposal, because we’re still producing something of value. Disposal at the landfill can also involve opportunity to extract landfill gas as a beneficial use. So, in both Waste-to-Energy and landfill, you are getting beneficial use as a byproduct of the method of managing waste
39	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	New proposed Hierarchy: - Reduce - Reuse - Recycle as new or alternative material - define what this means – materials recycled, break that down - Recycle as energy – define further what this means - WTE - Landfill
40	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Metro Vancouver is a distinct market – focus on that while considering the hierarchy – consider the end markets always while applying the hierarchy
41	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	If we have a mandate to divert, there is no incentive to do better. It kills innovation when we say we can convert materials into a fuel for energy.
42	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Hierarchy	Materials are more valuable than energy.
43	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	General Feedback	General public is frustrated by the constant changes in what counts as recyclable materials; more consistent messaging across municipalities will help.
44	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	General Feedback	What about when licensed facilities in Metro Vancouver are sending materials to landfills State-side that local authorities want closed? Will issues like these be addressed within the plan?
45	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	General Feedback	Very expensive to remove compost residuals properly in landfill vs. burning it. Need regulations to encourage compliance.
46	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	General Feedback	Need to have cost penalties to make consumers feel the same pain as collectors and processors if they don’t recycle properly.
47	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	General Feedback	If a customer isn’t ready to pay more to do the right thing, the hauler is then paying or investing in cameras and enforcement methods etc. which is not cost effective. It only works if all companies play by the same rules.
48	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	General Feedback	Need incentives for consumers but also end up spending a lot of money policing that.
49	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Metrics	How to tangibly measure reuse – there’s lots that happens informally – how to quantify that?
50	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Metrics	Are we tracking from a specific point in time as a baseline?
51	8-Apr-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Metrics	As the economy changes is there a mechanism built-in to account for changes and maintain integrity of the data?
52	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Ensure that policy conversations consider the whole spectrum of the hierarchies
53	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Goal #3 – effectively – broad term; concerns that it’s applicability will be lost in the process – glass, for example.
54	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Goal #1 seems to be lacking considering it applies to the top of hierarchy; need more clarity to what extent the concept applies in the context of solid waste system/management plan
55	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	“Prioritize waste prevention” doesn’t adequately capture full spectrum of applicability
56	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Goal to prevent as much disposal as responsible seems missing
57	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	EPR – holding Recycle BC more accountable to pay instead of municipalities for collection and recycling of soft plastic and glass

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58	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	No only collection, but also marketing is problematic and have to be addressed
59	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Spend on fostering businesses that can use the recyclables and make use of reusable materials
60	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Can we make suggestions around inclusivity - locations and transit accessibility – within scope of committee? (Clarified that in addition to this being reflected in guiding principles, these could also be future opportunities for engagement where these topics could be relevant)
61	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Like the way the International Zero Waste Hierarchy is modelled – should rearrange propose hierarchy so this is reflected
62	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	City of Victoria hierarchy is more understandable – better for the general population (specifically multifamily)
63	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Glad that MV has segmented the actions
64	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	MV hierarchy is meant to guide priorities with waste generation prevention at the very top
65	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Is there anything about recycle at end-of-life instead of just recycle?
66	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	In the guiding principles, the “accountability” principle should not put residents first
67	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Should we be using a hierarchy, how can we make it circular ? (e.g. Ellen Macarthur Butterfly Diagram)
68	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Can we do both a hierarchy and a cycle in one diagram?
69	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Goals	Should be more focus on prevention – so having more emphasis would be good. Right now we have same number of goals as the waste hierarchy. But if we have more goals related to the higher end of the waste hierarchy, it emphasizes the top of the waste hierarchy
70	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Goals	There are Golden design rules for recycling packaging - using one type of plastic, label be recyclable / design for recyclability etc. Are these guides available for clothing etc ?
71	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Goals	Responsibly dispose – but what about future what will be mining for in old landfills? – it may not be the actual end of the life. Do we separate garbage in landfills so it’s easier to extract stuff later?
72	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Goals	“easier to recycle effectively” – there are clean tech/deep tech companies out there with robots for sorting more effectively. OBS Recycle (montreal), Dreamstill is also one for clothing.
73	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Goals	‘propritize waste prevention’ – best before dates – need more education for households on this because what the household will buy/not buy will impact what retailers stock, and what distributors stock etc. Very few items actually have an expiry date, they’re just guides.
74	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Goals	Prioritize waste reduction is very broad compared to other goals – maybe break out into 1) Education on waste prevention, 2) implement actions to prevent waste, etc. and also focus on positive language. (maximize efficiencies, etc)
75	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Hierarchy – prevent and use less is part of reduce, but BEFORE that, we should focus on Sharing resources. Can convince ppl to buy less but it can be easier to have people learn to share resources.
76	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	“share” is also more positive language than ‘prevent’
77	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Sharing, reusing, using less comes with education.
78	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Should allocate serious budget to the education programs/campaigns, or to NGOS in town who are already focused on education
79	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Focus on cascading effects – youth educating elders, etc. youth will be the ones who will be driving when it’s 2050, and can lead others along the way both for elderly and younger. To get a compounded effect.
80	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Example: assess who is doing education for student groups, can see if its effective and if we’re doing enough of it. We know the children guide the parents and grandparents so are we doing enough. Education on circular economy, donut economics, etc. for schools and universities
81	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Eco-nova is doing youth education in Vancouver
82	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	For “use less” – can we state it more positively like “save more”
83	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Didn’t like ‘recover’ so agree it was good to move away from that
84	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	For food, it doesn’t make sense to have as food or recycle as material – because we donate, and we recycle as feed.
85	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	For Food: Prevent à donate à recycle as feed à recycle as energy à dispose
86	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Question on whether we want multiple waste hierarchies, because the hierarchy doesn’t make sense for food, and possibly other categories

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87	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Under reduce – perhaps have some wording on how we track this. The top of the hierarchy is where we have the least data because it's not getting weighed.
88	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Reduce can be tracked if you track how much money people are spending on buying new things – but its happening in different places so gathering the data effectively is more challenging.
89	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Could track how many items people buying v.s. accessing lending libraries, v.s. disposing – difficult for sure
90	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Focus on convenience, and socializing the practice of sharing etc.
91	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	People will self-educate if they believe in something. So if shift our thinking, they'll educate themselves.
92	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Factors: convenience, social pressure, and money
93	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Hierarchy – food waste prevention at the reuse/donate stage. At first look at hierarchy couldn't see food in there. "reuse for original purpose" is important (feed folks)
94	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Some form of double counting is happening in food
95	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft Hierarchy	Hierarchy makes sense. Think the 'reuse' category could be expanded. 'sharing' is happening that isn't tracked.. sharing food, sharing tols etc, there is no tracking for that.
96	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	What is meant by prevention in goal 1?
97	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Goals could be in a shape – to better visually align with how they fit into the hierarchy
98	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Focus should be Keeping products in highest use for as long as possible
99	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Goal 3 – could we take out effectively ? if you are applying the hierarchy – you would be as effective as possible
100	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Why use the word garbage? Is it because its more digestible for audiences? Does it really target the right audience for this hierarchy and goals?
101	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Design products to prevent waste
102	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Prioritize waste prevention – is there a way to switch the words and use the word resource
103	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Focus on Resource prevention
104	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Maximize resource value – focus on that in the hierarchy and goals
105	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Inclusivity and affordability are not adequately reflected in the goals
106	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Accessibility is missing both in Goals and Guiding Principles. One of the proposed Goals refers to "easier" recycling, but ease is not the same as accessibility.
107	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Although there are size transfer stations, many people cannot access those as they don't have the suitable means of travel
108	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Clear definitions are needed for every goal (e.g., terms "responsibly" and "effectively" are unclear)
109	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Goals have to be bold and per capita such as "shutting down the incinerator" and spending the saving per capita on top of hierarchy to reduce waste such that an incinerator is not needed in future.
110	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Bans for problematic materials have been successful tools in the past, where do they fit within the proposed goals and which other materials could be banned.
111	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	"Community" is missing from the goals
112	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Circular economy is not called out enough as so important – need a singular distinctive goal that support reuse economy
113	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Resource management, not waste management
114	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	Rethinking metrics – how to we align our metrics with the goal we're trying to achieve "effectively and efficiently" – efficiency part can speak to affordable
115	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft goals?	A goal of changing the system, encompassing innovation
116	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	City of Vancouver and City of Victoria – don't have WTE in their hierarchies – why is it not or is it covered under waste disposal
117	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Recycle as material level – have sub group – recycle for highest value – then something that is less – have different sub levels – focus on the value of products recycled and the materials needed to recycle within the "recycle as material" level

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118	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	What is reuse really meaning in the hierarchy?
119	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Language is important – recycling and highest value – in past word diversion is more appropriate than recycle – need to specific what is diverted versus what is recycled as new material
120	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Recycle as energy = not transparent – need to be broken down and distinguished
121	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Dedicated fuel – recycle as energy – what does the fossil fuels really mean ?
122	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Materials to fuel – could be an option for the recycle as energy line
123	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Where does burning wood waste go? Is that through the recycle as energy – or recycle as material – which does that fit into?
124	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Average person – only know how to sort – and not what happens when it is recycling or processing
125	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Language – think about using AVOID – like to include it so that instead of reduce – people would think about avoiding rather than reducing
126	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Composting (when not thought of recycling) is missing; believe that it is a distinct “rung” in hierarchy
127	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	There should be differentiation between WTE disposal (materials burned and energy not used) vs recycled for energy
128	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Cultivating community and corporate leadership
129	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Share – Reduce or reuse – specific infrastructure vs sharing with people you know (eg car share, library, tool library) , share with community
130	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Rethink/Reimagine – more approachable, positive
131	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	How does compost fit in? Should we change recycle as material
132	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	What about donation?
133	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Food waste reduction, how do we fit in the complexity of the food hierarchy into this model
134	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Waste-to-energy should be above landfill, still beneficial compared to landfill
135	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft hierarchy?	Disassembly – in the reuse part, taking apart and using the parts
136	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	Goal #4 is too vague/subjective
137	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	What do we mean by “effective” in recycling? Need to better define what is meant in this goal (i.e., who, how market needs to adapt).
138	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	Producer Responsibility to reduce; debate about applicability
139	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	The proposed goals (except for the third one) are not inspiring and are very similar to the previous plan goals.
140	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	Get rid of the words “garbage” and “waste” and use the word “materials”
141	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	Priority that prevention should start with those actually manufacturing the waste.
142	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	The goals should be more far reaching, global.
143	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	What about “Prioritize waste production at the source”?
144	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	Language of garbage – should be framing as a resource to emphasize that we don’t have a way of dealing with it yet. This reflects that although we may have not yet determined a way to manage it, it might not be garbage
145	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	Can we phrase the recycling in a more effective way to recognize bridging the gap between what can be recycled today vs in the future through innovation
146	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	Make it easy could be “easy to understand” or “convenient”
147	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	Keep materials “and their value” in use as long as possible
148	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft goals?	Innovation can be incorporated into the last goal (residuals management)

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149	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	What if we didn't use a triangle? It is older to use and what kind of shape – potentially brainstorm other designs and graphics
150	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Consider somehow representing "source separation" in the hierarchy
151	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	The distinction between "recycle as energy" and "waste-to-energy" can be challenging
152	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	"recycle as energy" is more appropriate in disposal; should be "disposal as energy"
153	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Need to consider the actual use of the fuel; hard to say any is better than another (i.e., is there such thing as "clean" fuel?
154	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Is all disposal equal? Some debate whether this is true
155	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Reduce: need to add more than prevent and use less; add amended rungs to include preserve resources, make less and buy less
156	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Address the trust issue even before the higher levels of the hierarchy
157	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	There needs to be transparency around the budget plan on this hierarchy. Focus efforts and budget on the top of hierarchy rather than investing in the incinerator
158	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Consider including "rethink" and "redesign" before prevent and reduce
159	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	It is useful to have different hierarchies for different sectors and audiences. Include as many as 9 Rs for the manufacturing and business audience depending on their industry and sector. City of Victoria hierarchy in the middle, and Zero Waste (international alliance) hierarchy for the public
160	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	There needs to be clear definitions for all levels of the hierarchy to prevent any greenwashing or confusion
161	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	The proposed hierarchy does not show where the composting fits.
162	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	"Recycle as energy" or as fuel is concerning and has to be avoided. The language does not sound straight forward and accessible for public. The recycling should be only for materials at their highest value.
163	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Inclusion of "Recycle as energy" or fuel suggests a constant demand and would ultimately discourage active participation in the top of hierarchy
164	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	The Government of BC solid waste management planning guidance directs to and asks for prioritization of prevention and reduction; however, reduction and prevention seems to be out of scope when GHG emissions come up during meetings
165	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Push the budget where the priorities are such as grants for C&D-Lighthouse project
166	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	What is this hierarchy for? This graphic is not clear.
167	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Have an issue with the terms "recycle" and "recycle for energy" being the same. It's energy generation, not recycling. Need to come up with another term – the term "recycle" should be reserved for recycling materials to make new products.
168	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Why is dispose not divided into two different categories? Landfill vs. WTE?
169	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	City of Victoria graphic is better for the public (except instead of recycle the rest it should say upcycle the rest)
170	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	The font should be larger in the upper categories of the hierarchy.
171	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	"Prevent" should simply be "use less" – or maybe the prevention should apply to businesses and use less should apply to residents (further discussion prompted disagreement on this and the group was split – "prevent" has a different meaning than "use less")
172	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Difference between reuse for original purpose and repair – aren't they linked?
173	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Rebirth – reframing recycling
174	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Reduce and reuse could potentially have a linkage – circular connection
175	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Challenging to get the nuance of recycle to energy across – could upstream recycling and downstream recycling
176	10-Apr-25	Small group dicussion summary notes: Draft Hierarchy and Goals	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft hierarchy?	Residuals management instead of dispose could provide more clarity
177	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Additional Explanation to Accompany Hierarchy	There are some details and nuances about the waste hierarchy that may not be obvious to members of the public. To help address this, additional explanation should accompany the hierarchy within the updated Solid Waste Management Plan (updated SWMP). Key points to include as part of this explanation are as follows:

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178	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Additional Explanation to Accompany Hierarchy	Provide robust examples of 'Reduce' actions. Many members of the public struggle to think of actions they can take that align with this level of the hierarchy. Residents and businesses largely associate sustainable waste management with recycling, and to a lesser degree, reuse. Providing a list of meaningful examples would help with this, such as: making a meal plan and shopping smart so you buy just what you need and use all the food you buy; looking for clothing that will last years so you can buy less clothing; gifting experiences instead of things. To demonstrate how Metro Vancouver is prioritizing this level of the hierarchy, examples of actions taken by Metro Vancouver that demonstrate 'Reduce' could also be provided, including actions to reduce corporate waste.
179	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Additional Explanation to Accompany Hierarchy	Explain that 'Energy Recovery' is not a circular process. I.e. The materials are lost from the economy, and this is why this strategy is shown a last resort prior to disposal.
180	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Additional Explanation to Accompany Hierarchy	Explain why waste-to-energy is a 'Dispose' strategy, not an 'Energy Recovery' strategy. Residents and businesses are unlikely to be familiar with the nuances that distinguish waste-to-energy from energy recovery (or 'Recycle as Energy,' as labelled in the currently proposed update).
181	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Additional Explanation to Accompany Hierarchy	Presentation of the hierarchy in the updated SWMP should be accompanied by text that clearly explains why waste-to-energy is a disposal method. Including examples of energy recovery from niche materials (used as fossil fuel substitutes) would likely help to increase understanding.
182	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Additional Explanation to Accompany Hierarchy	Add graphics to the hierarchy to make public participation more accessible. Incorporate a diagonal double-ended arrow alongside the triangle, similar to the City of Victoria's hierarchy, to illustrate the collective effort required to achieve Zero Waste. The accompanying description above the arrow could read: "cultivate community and encourage innovation."
183	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	The proposed updates to the goals currently used in the 2011 Plan are a good reflection of the waste management outcomes our region should be striving for. In particular, we are supportive of the following changes and additions:
184	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	Using more descriptive language that goes beyond quantitative measurement (e.g. "minimize," "maximize") and helps to reflects the complexity of waste management and conditions for success.
185	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	Explicitly stating that waste prevention should be prioritized above other waste management strategies.
186	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	Incorporating circular economy principles by identifying that materials should be kept in use as long as possible. This goal clearly reflects that reuse and recycling strategies should prioritize enabling materials to continue circulating (vs. reuse and recycling strategies that achieve just one more use before disposal).
187	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	Referencing the need to make it easier to recycle if we want to improve our region's recycling performance and reduce contaminants in the recycling stream.
188	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	Removing energy recovery from the list of goals, and instead referring to recycling effectively and disposing responsibly.
189	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	Removing "dispose of all remaining waste in landfill, after material recycling and energy recovery." This goal indicated that waste-to-energy was a more beneficial outcome than landfill disposal, and did not align with Vancouver's Zero Waste 2040 strategic plan.
190	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	Update Goal 3 to include making it easier to reuse effectively. (I.e. "Make it easier to reuse and recycle effectively.") While the intention may have been for Goal 2 and Goal 3 to align with the 'Reuse' and 'Recycle' levels of the hierarchy, respectively, we assert that the goals of "keeping materials in use as long as possible" and "making it easier" are equally relevant to both reuse and recycling strategies.
191	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	Consider adding a fifth "all/multiple goals" category for organizing actions. We understand that the Province of BC recommends that goals be linked to the hierarchy, and that the plan's actions will be organized according to the goals. This approach is a good one, however, some actions can be anticipated to align with multiple goals/levels of the hierarchy. During the Idea Generation phase of engagement, actions were brainstormed using the guiding principles as a jumping off point. Actions that aim to increase affordability, convenience, resilience, accountability, transparency, inclusion, innovation and transparency will likely apply to multiple levels of the hierarchy. If an action applies to multiple goals, we would recommend against modifying it to align with just one of the four goals to avoid the risk of losing important components of the action. Instead, we suggest to consider adding a fifth category for organizing actions that apply to multiple goals.
192	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Goals	Display goals in a stacked sequence, rather than a grid format to emphasize the preferred sequence.
193	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Energy Recovery vs. Recycle as Energy	We would like to see Metro Vancouver change the term 'Recycle as Energy' to 'Energy Recovery' in the waste hierarchy diagram and throughout the document. This change would be consistent with the 2011 Plan, the Province of B.C.'s use of "energy recovery" in its 5R pollution prevention hierarchy for zero waste and Recycling Regulation, and the E.U.'s new Packaging and Packaging Waste Regulation 2025/40. It is important to preserve the integrity of the term "recycling" and use it to promote the circularity of high-quality materials. "Energy recovery" is a more accurate term to describe energy extraction typically characterized by downgraded material quality, or recovering energy from food scraps and other organic materials as shown in the City of Vancouver's zero waste approach diagram. This change would also be consistent with public feedback, "Don't count fuel as recycling" (as shown in the word cloud included with Metro Vancouver's April 10 workshop slides).
194	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	High-Quality Recycling vs. Recycling as Materials	We encourage Metro Vancouver to update the hierarchy to align with the European Union's recently-adopted Packaging and Packaging Waste Regulation 2025/40 to prioritize high-quality recycling over material recycling. The regulation entered into force on February 11, 2025 and generally takes effect in August 2026.

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195	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	High-Quality Recycling vs. Recycling as Materials	In the E.U.'s regulation (Article 3): "High-quality recycling means any recycling process which produces recycled materials that are of equivalent quality to the original materials, based on preserved technical characteristics, and that are used as a substitute to primary raw materials for packaging or other applications where the quality of the recycled material is retained."
196	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	High-Quality Recycling vs. Recycling as Materials	In the E.U.'s regulation (Article 3): "Material recycling means any recovery operation by which waste materials are reprocessed into materials or substances, whether for the original or other purposes, with the exception of biological treatment of waste, reprocessing of organic material, energy recovery and reprocessing into materials that are to be used as fuels or for backfilling operations."
197	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	High-Quality Recycling vs. Recycling as Materials	This kind of distinction is important given that some repurposing and recycling strategies reduce environmental impact by displacing the use and disposal of virgin materials, but do not enable materials to continue circulating in the economy. For example, processing demolition waste to create demolition hog.
198	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	High-Quality Recycling vs. Recycling as Materials	The EU regulation includes a number of measures to support high-quality recycling, such as: - Minimum recycled content requirements for plastic packaging (Article 7) -Separate recycling collection and sorting infrastructure to meet quality standards (Article 48)
199	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	High-Quality Recycling vs. Recycling as Materials	The Netherlands, an early adopter, promotes high-quality recycling by requiring single-use plastic cups to be recycled back into single-use cups with minimum recycling rates that start at 75% in 2024 and increase annually to 90% in 2027 and beyond.
200	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	High-Quality Recycling vs. Recycling as Materials	Alternatively, if Metro Vancouver prefers to not add another layer to the graphic, we suggest simply calling this layer "Recycling" and describing the difference and hierarchy between high-quality recycling and material recycling within the additional explanation recommended to accompany the hierarchy (see below).
201	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Implications for Calculating Regional Recycling Rate	City of Vancouver staff raised the questions below during the April 10 workshop about the implications of the proposed hierarchy for calculating the regional recycling rate. Thank you to Metro Vancouver staff for the answers provided (summarized below). Based on these answers, Metro Vancouver's planned annual reporting on the recycling rate going forward will help to increase transparency and understanding about our region's waste management performance.
202	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Implications for Calculating Regional Recycling Rate	Will calculation of the annual recycling rate exclude materials recycled as energy going forward?
203	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Implications for Calculating Regional Recycling Rate	Will the amount of material recycled as energy be reported separately from the amount of material recycled as material?
204	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Implications for Calculating Regional Recycling Rate	Will data from past years be updated to clearly show the amounts of material recycled as energy vs. material?
205	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Performance Metrics Update	The primary metrics proposed for the updated SWMP provide continuity with several existing metrics that Metro Vancouver tracks and reports annually.
206	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Performance Metrics Update	Tonnes of waste generation and disposal. City of Vancouver staff request that annual tonnes of waste generation and disposal be tracked and reported graphically in Metro Vancouver's published annual reports. Looking at waste generation and waste disposal in terms of annual totals, and not just per capita amounts, supports greater understanding of our region's waste trends. This reporting will also support analysis and reporting by member jurisdictions, such as City of Vancouver, that have adopted an absolute waste reduction goal, rather than a per capita target. Including the option to view annual totals using a future Power BI dashboard (as indicated by Metro Vancouver staff) would also be beneficial, however, for ease of access (especially while this type of dashboard is under development), our preference is for these metrics to also be included in Metro Vancouver's annual report published online.
207	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Performance Metrics Update	Greenhouse gas emission reductions from solid waste initiatives. During the April 10 workshop, Metro Vancouver staff clarified that the proposed primary metric, "GHG emission reductions from solid waste initiatives" will include Scope 1 and 2 emissions only. This approach is reasonable, given the current lack of a methodology for estimating Scope 3 emissions that intentionally incorporates a sustainable waste management lens. We encourage Metro Vancouver to include an action in the updated SWMP to work towards developing a suitable methodology, so that Scope 3 emissions can be included as metrics in future. For example, this research can begin by focusing on certain material streams, such as the built environment and edible wasted food.
208	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Performance Metrics Update	Assessing metrics against the guiding principles. Organizing metrics using the four goals as a framework is a good system, but this approach may fail to capture metrics that measure the performance of our region's waste management system in terms of the plan's guiding principles. Before finalizing the selection of metrics, we recommend taking an additional step to assess the suite of primary and secondary metrics against the guiding principles to check whether there are any undesirable gaps. Metrics that address these gaps may need to be organized under a fifth "All/Multiple Goals" category.

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209	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Performance Metrics Update	Secondary metrics about demolition waste by-laws. City of Vancouver is currently exploring options for updating and developing new policy for reducing construction and demolition waste. As part of this work, we have completed a scan of member jurisdiction's demolition waste by-laws, including gathering data about by-law implementation and outcomes from some member jurisdictions. Metro Vancouver can support member jurisdictions to evaluate and further develop their own by-laws by compiling these statistics on an annual basis, similar to how illegal dumping stats are currently collected from each member jurisdiction. Relevant statistics for Metro Vancouver to begin tracking for each member jurisdiction include: (1) number of demolitions per year (disaggregated by 1- and 2- family homes, multi-family residential buildings, non-residential buildings); (2) number of demolitions subject to a demolition waste by-law with minimum reuse and/or recycling requirements; (3) average diversion rate and total diversion amount achieved each year (if applicable to the member jurisdiction); (4) average wood salvage rate and total wood salvage amount each year (if applicable); and (5) annual by-law compliance rate.
210	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Performance Metrics Update	Secondary metrics to measure progress towards goals. City of Vancouver staff have previously provided feedback on performance metrics for the updated SWMP on Nov. 15, 2024, including some recommended metrics. In addition to our prior feedback, we further recommend including the following secondary metrics
211	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Performance Metrics Update	Keep materials in use as long as possible. Measure tonnes of construction and demolition waste diverted for reuse and the number of organizations involved in circulating these materials for reuse.
212	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Performance Metrics Update	Make it easier to recycle effectively: Track the number and spatial distribution of EPR drop-off locations across the region for each Stewardship agency. This data could be shared with senior levels of government to demonstrate where increased accessibility to recycling and reuse services is needed. This data should also be measured against population densities to promote equitable access to recycling services for Metro Vancouver residents.
213	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Performance Metrics Update	Dispose of remaining garbage responsibly: In addition to total number of cases of illegal dumping, descriptive data should be collected and reported where possible, including waste type and volume/weight.
214	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Proposed Hierarchy	Many of the proposed updates to the waste hierarchy currently used in the 2011 Integrated Solid Waste and Resource Management Plan (2011 Plan) clearly show prioritization of waste management strategies, and align well with the Zero Waste Approach for Vancouver, with the exception of characterizing energy recovery as "recycle as energy" as discussed below. The following diagram features are good additions to increase understanding and support greater transparency.
215	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Proposed Hierarchy	Including additional text to explain what's included in the 'Reduce,' 'Reuse,' and 'Dispose' levels of the hierarchy.
216	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Proposed Hierarchy	Including "use less" to describe what's encompassed by the 'Reduce' level. The meaning of "use less" is more obvious than similar terminology, such as "avoid."
217	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Proposed Hierarchy	Showing 'Recycle as Material' and energy recovery (labelled 'Recycle as Energy' in the currently proposed update) as separate levels, with recycling as material appearing higher up on the hierarchy.
218	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Proposed Hierarchy	Clearly identifying waste-to-energy as a disposal method, along with landfilling.
219	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Additional feedback	Emergency management capacity. Due to increasing unpredictability and severity of weather events related to climate change, City of Vancouver staff recommend that the updated SWMP should include an analysis of emergency management capacity within the region's solid waste sector. Flooding events experienced in 2021 necessitated a temporary increase in regional disposal capacity. Future capacity for disaster debris management on a regional scale should be analyzed.
220	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Additional feedback	Diversion rate vs. recycling rate. City of Vancouver staff recommend that the updated SWMP and subsequent reporting go back to using the term "diversion rate" instead of "recycling rate" to avoid conflating energy recovery with recycling.
221	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Circular Economy Model	A question was posed during the workshop about whether to introduce and explain the circular economy model as part of the updated SWMP, with the context that at this time, Metro Vancouver is planning to describe some circularity concepts, but not explicitly reference or explain the circular economy model.
222	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Circular Economy Model	City of Vancouver staff encourage Metro Vancouver to directly reference and explain the circular economy model in the updated SWMP. Circular economy is becoming more commonly used and referenced in countries around the world, including as a framework for achieving waste reduction. Although it is not yet well-known by members of the public in North America, we expect to see its usage increase over time. Metro Vancouver can help to introduce and familiarize our region's residents and businesses with the concept and principles by including it in the updated SWMP. It can be presented as a complementary framework for approaching sustainable waste management. For example, City of Vancouver includes both the waste hierarchy and circular economy model in the Zero Waste 2040 strategic plan, and our recent 5-year update to Vancouver City Council briefly summarized both frameworks.
223	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Options Analysis Criteria	The draft criteria for analyzing which actions to include in the updated SWMP are an excellent reflection of the plan's guiding principles.
224	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Options Analysis Criteria	Rigorous and complete. The list of criteria will allow for a rigorous analysis of the action options.
225	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Options Analysis Criteria	Move some criteria to the 'General' category. Thank you to Metro Vancouver staff for summarizing feedback on the criteria already received from other review groups during the April 10 workshop. We agree with the recommendation from these stakeholders that some criteria are a better fit for the 'General' category, such as Collaboration and Resilience.
226	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Options Analysis Criteria	Weighting of criteria. Thank you to Metro Vancouver staff for identifying that the economic, environment and social categories of criteria will be considered of equal importance during the analysis exercise. We support this approach.

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227	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Options Analysis Criteria	Application of criteria. Metro Vancouver staff explained during the April 10 workshop that each action will be analyzed by assigning a "high," "medium," "low" rating against each criteria. This method seems appropriate, and more feasible than attempting to assign a quantitative score against each criteria. We suggest that the high/medium/low scale may need to be adjusted to reflect that some actions may have no impact on the criteria or a negative impact.
228	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Options Analysis Criteria	Pairing actions with metrics. We understand that the final selection of secondary metrics will partly depend on what actions are selected, and support this process flow. The pairing of actions and metrics will be particularly important when it comes to actions for which the impact on one or more criteria is unknown and/or depends on the specifics of how it is implemented. In these cases, we encourage Metro Vancouver to ensure the action is accompanied by suitable secondary metrics that will allow for monitoring the impact of that action over time, including any unintended consequences.
229	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Options Analysis Criteria	Assessing a complete set of actions against guiding principles. Before finalizing the selection of actions, we recommend taking an additional step to assess how well the set of actions as whole represents the guiding principles. This assessment step may daylight opportunities to further refine and improve the final set of actions. As a hypothetical example, if there are many actions that reflect improving affordability, but only one or two actions that speak to inclusion, it may be valuable to make further revisions to the list of actions to ensure the updated SWMP meaningfully reflects all the guiding principles.
230	1-May-25	Staff Submission on Goals, Hierarchy, Metrics and Options Analysis Criteria	City of Vancouver	Local Government	Draft Options Analysis Criteria	Land use and spatial analysis. Including actions with a land use and spatial analysis lens is an opportunity to help ensure the updated SWMP meaningfully reflects guiding principles such as convenience and inclusion. For example, mapping locations of waste services, assets and events in the region, and layering this analysis with demographic data. To help keep this opportunity in mind, Metro Vancouver staff could consider adding a "spatial analysis" criterion to the assessment process. This criterion does not need to be used to inform the selection of actions, but could help prompt staff to consider if there is an opportunity to embed a spatial analysis component within various actions. For example, an action to "increase the number of repair cafes in the region" could be enhanced by including "analyze the location of repair café events to ensure they are conveniently located to serve diverse communities across the region.
231	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft elements of a recycling and waste centre strategy	Include an element on effective cost saving measures while still maintaining or improving the current level of diversion.
232	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft elements of a recycling and waste centre strategy	With regards to "describe future updates to facilities", suggest prioritizing AI and other structural/capital investments to ensure longevity. This is an area that private sector could collaborate.
233	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft elements of a recycling and waste centre strategy	Potential locations and reduction of GHG emissions are linked and important as the population increases throughout the region. Changes to zoning can negatively impact the potential and existing locations for recycling facilities. Important that municipalities set aside areas in their OCP to allow for these facilities to be built and operated.
234	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft elements of a recycling and waste centre strategy	Identify the type of waste that Metro Vancouver is targeting – who are the customers?
235	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft elements of a recycling and waste centre strategy	Include expansion of services in the draft elements.
236	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	Best practices in facility design and operation: Need to define "recycling". - Need to define "best practices"
237	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	Recycling and waste centres – suggestion they be renamed: "diversion centres"
238	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	Suggestion to show private facilities as well as public ones on the regional waste facilities map
239	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	May be different for different people what reasonable times and distance – things like traffic flows, time of days, other factors like directions need to be considered
240	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	Need a working definition of "reasonable drive times"
241	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	Resilient and cost-effective service delivery: Cost-effective is in the eye of beholder – what does it mean in this context? Definition needed.
242	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	What does resilient and cost-effective delivery mean? Need more quantifiable data to really understand what they mean.
243	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	What are the numbers and data that are driving these guiding principles?
244	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	More defined terms and objective are needed – these draft principles are too vague
245	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	Desire to learn about Metro Vancouver's goals and objectives and get clarity about what level participation is available from waste and recycling industry.
246	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	Key issue: what is the role of private sector if Metro Vancouver develops competitive facilities? For private sector, can't invest in business if no certainty.
247	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Draft Guiding principles for a recycling and waste centre strategy	Recycling is all about economies of scale. Is this strategy focusing on providing services that private industry that cannot meet?
248	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Why are solid waste facilities owned and managed by Metro Vancouver instead of the private sector?
249	6-May-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Is this strategy going to address the lack of infrastructure?

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250	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	What value are we receiving and how are we measuring that value? This needs to be the driver of every criteria we chose.
251	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	Need to understand what the true cost options are and this should somehow be reflected as an over arching criterion
252	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	How do we ensure that the interpretation of convenience is consistently applied and matches our understanding
253	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Additional feedback	How do we manage more remote areas
254	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Captured everything that we had in discussions.
255	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Some members are new to PTAC and bringing themselves up to speed.
256	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	This is an expansive list of criteria but; following are missing
257	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Human health. Example: impact of microplastics, recycled content in plastic can be problematic as they contain toxic chemicals
258	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Environmental health. Environmental stewardship is very broad. It is important to include environmental health and look into how products are produced and whom/how they impact along the way. Take the example of compost: to put nutrients back in the soil but make sure problematic materials are not introduced. Don't rush for new technology, but evaluate the potential upsides and downsides first
259	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Indigenous and reconciliation and the impact of options on those communities. Inclusion sounds like a very broad category and it would be useful to be more explicit with respect to indigenous inclusion.
260	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Risk assessment: Liability and financial risks (example: for new technology or new investments)
261	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Costing out alternatives or best value for money. Is the option cheaper than alternatives? Or is it more expensive but does it provides employment opportunities or other economic benefits?
262	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Potential for systems change: Some options might take more time or more partnership but would be moving us higher up the hierarchy and change the system for better. How much cultural change can be driven by this level of government and through this management plan? We can certainly use tools in the waste management to make some changes. Example: lower garbage pick-up frequency can drive up recycling and potentially lower waste generation. Regional districts and National Zero Waste can contribute to huge systems changes
263	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	The potential for systems change or potential for no drastic change and only small and easy adjustments to the status quo
264	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Add: there is nothing about reuse specifically.
265	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Where is the waste hierarchy in these criteria? The hierarchy should be reflected more specifically
266	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Add: Accessibility to the Social category – Accessibility should not just be implied in convenience or another criteria
267	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Missing in Economic section: cost to benefit ratio.
268	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Consider adding "synergy" to collaboration
269	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Consider adding the word "value" to reflect options that offer benefits in multiple areas.
270	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	What about comprehension or "buy-in", shared understanding, actionability? (Metro note: Can that be covered under supporting waste prevention?)
271	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Specific reference to leadership or forward thinking – avoid "innovation" or other buzz words that may be overused and diluted with diffuse definitions. Embodied leadership
272	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	These are all great words and things that we want
273	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Very visionary and looks good on paper, but wondering how practical it is and how much execution/implementation ability.
274	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Be realistic – we want to move forward with a plan that can actually be implemented.
275	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Practicality of implementation addresses this a bit – the 'be realistic' – maybe need to clarify or spell out?
276	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Criteria are really broad, but looking forward to zeroing in and looking at practical, impactful solutions
277	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Practicality and convenience may conflict – people want max convenient but is that realistic.
278	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	One item that should be included is "impactful", or "bold" – if we want to be global leader in waste reduction. "Innovation" is related to this. Maybe "bold innovation" – not just fixing small things

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279	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Consistency, harmonization, collaboration, innovation à harmonizing ICI use of the built infrastructure in BC. A lot has been built because of Recycle BC EPR Program.. residentially you can recycle differently at your home than most businesses/institutions – would love to see harmonization on private waste haulers and materials they are willing to accept, and bringing them to same facilities that the Recycle BC material goes to. Often haulers are cherry picking the materials they want to collect (higher value materials). Comprehensive recycling is not available in ICI in the same way it is for residents. Regulation can address this gap by harmonizing what haulers accept from ICI.
280	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Same number of criteria in each bucket, but clarify how each bucket will be weighed (but we'r enot weighing)
281	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Environment: suggest "waste prevention" rather than "waste reduction " which may include recycling
282	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	For GHG emissions reduction – if plan is to focus on scope 1 and 2, does that mean that you would prioritize items that reduce direct emissions v.s. indirect emissions.
283	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Social – inclusion is not same as diversity. Suggest adding "Diversity, equity, and inclusion". A lot of groups are underrepresented. Such as immigrants, ethnic communities, have different ways of stewarding the environment but not necessarily though recycling but more reuse. People without vehicles don't have access to depots.
284	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Behaviour change is missing – need to change how people act (yes we need to make things easier/convenient but still need to work with them to change behaviour). Helping people access depot services.
285	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Accountability – good to have accountability on SDGs to be accountable to international frameworks. Last meeting when KPIs were shared there was nothing on SDG 12.3.
286	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Economic prosperity – clarify what we mean. Have a clear set of definitions of reach of the criteria for those who are using them to filter out actions
287	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Questions on who will be using the criteria. We will be documenting how actions are selected to be recommended in the draft plan – to demonstrate how they were chosen, and then spark discussion with committees, public, and others.
288	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Questions about Stantec's process on using the criteria to narrow down the list of ideas.
289	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Consumer awareness/education process
290	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Extended producer responsibility – which column would that fall under? Environmental stewardship is part of that, but not the whole picture. Could tie into community participation or other social pieces
291	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Avoiding contamination or protection of natural spaces
292	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Innovation may need to be elaborated
293	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Caution on convenience, can lead to increased contamination (e.g. putting everything into one bin). Could be broken
294	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Convenience with respect to infrastructure
295	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Competitiveness
296	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything missing from the draft criteria?	Waste prevention – is this missing or tied into others
297	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	Rather than inclusion, perhaps accessibility could be considered to include alternative languages and comprehension of the system. Challenges in terms accessibility and accountability/responsibility by whom, add in the appendix.
298	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	Actual definitions of the terms in the draft criteria as an appendix could help understand the specific use of each term.
299	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	A venn diagram or alternative visual be considered to show the linkages between the terms, definitions and how to categorize and interpret them in an appendix would be helpful.
300	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	Embodied GHG emissions (scope 3) are best to be included in the criteria and the update of the solid waste management plan does not have to be limited by the scope and limitations of the Climate 2050 Strategic framework
301	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	All these criteria can be just one category as they can all fall under, impact or apply to more than one category
302	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	Convenience in the long run vs short run: Are we building a system that will make it inconvenient instantly at the beginning or a system that is innovative, new and not necessarily the easiest to learn to use, but in the long run will eventually make a convenient system and bring about positive results
303	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	"Circularity" could be under "Economy" or in a cross cutting theme
304	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	GHG reduction, good to have, but there should be reference to "life-cycle" thinking – think more economically: What is the life cycle cost? (services, process, materials) Life cycle thinking – intentionality.
305	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	With respect to Consistency/Harmonization – what about "synergies"? something that reflects mutually beneficial relationships. (Metro note: Collaboration)

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306	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	Reconsider framing of convenience - Can lead to increased contamination (e.g. putting everything into one bin) - It can take effort to change behaviour and properly recycle - Standardization vs. ease - Convenience can be related to infrastructure - Can be looked at with respect to innovation - Relates to infrastructure/logistics/accessibility - Relates to participation/signage/labeling
307	8-May-25	Small group dicussion summary notes: Options Analysis Criteria	Public/Technical Advisory Committee (PTAC)	Advisory committee	Is there anything that should be changed or removed from the draft criteria?	Economic prosperity - Does recycling add to GDP? - Adding legislated recycled content can create a market and increase value of a material - Incineration can take up resources that could be used on innovation in the green economy - If things are going to incineration, how do we make sure it's not just due to convenience - Making things less convenient can help in other areas - Could be "creating economic value of recycled material" , value added for recyclable material - How would a layperson interpret this - There's a connection between prosperity and innovation - Competitiveness could be another term
308	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Design for recyclability
309	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Regulatory mechanisms should be in true response to priorities and be market driven
310	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Include financial and other incentives for generators and haulers to promote reuse and recycling
311	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Narrow down the mechanisms to just two or three actions that can achieve most broad reaching results
312	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Include enforcement at the household level and on the tipping floor to reduce recyclables in residential garbage
313	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Generator levy: -Processor/receiver perspective: not much needs to change -Hauler perspective: it is not effective, consistent, or equitable
314	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Enhance the disposal ban program with better education and enforcement
315	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Follow existing provincial programs and regulations, don't create anything new.
316	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Increase reuse and recycling at the source – focus on solutions for multi-family
317	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Encouragement and incentives will expand reuse and recycling – not licencing or further regulation. Less regulation will encourage industry to respond with innovation
318	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Disposal ban enforcement
319	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Keep administrative burden for haulers low
320	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Set realistic goals
321	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	We need more monitoring, more enforcement of existing regulations, rather than introducing more regulations
322	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Ensure Metro Vancouver is prepared to accept new extended producer program materials/products

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323	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Feel that both industry and Metro Vancouver is overextended with current levels of regulation (understaffed and under resourced) – can we look at incentivizing innovation?
324	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Would appreciate greater clarity and transparency on how revenue from generator levy is allocated and how decisions are made with respect to spending priorities (infrastructure, facilities, etc.)
325	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Generator levy is ineffective and needs to be changed – too much administrative burden
326	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Data collection and admin drives up costs – concerns about administrative burden on haulers to comply
327	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	What does it mean to “enhance the disposal ban”?
328	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	What is the measurement or performance metric for determining the “effectiveness” of the generator levy?
329	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	This feels like mission creep by local government
330	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	Possible that this is encroachment into existing regulatory programs – many of the suggested regulatory mechanisms fall under Provincial programs.
331	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	There is already too much regulation – look to Baltimore as example of a place where industry is not over-regulated
332	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	We have had this same conversation since 2013 – we need less regulation. Tired of giving the same feedback.
333	10-Jun-25	Key Topic Discussion Feedback Summary	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	This is the fourth time this topic has been brought up – we do not want hauler licencing.
334	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Member suggested that under Recycle, “recycle into new material”, the “new material” should be “new products” because it is recycled material, not new product.
335	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Members noted opposition to having Recover refer solely to energy; it should be focused on recovering materials that haven’t been source separated, and potentially harmful substances like mercury and asbestos.
336	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Suggestion there should be an “Unacceptable” category including incineration and waste-to-energy
337	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Comment that Zero Waste International Alliance Hierarchy should be used (that classifies incineration and waste-to-energy as unacceptable).
338	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Member noted that hierarchy systems are complicated because there are a lot of different entities involved and responsibilities within each level.
339	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Question as to why Recover (related to the creation of products to be used as a fuel substitute) is included in the hierarchy. Suggestion that Recover should go into disposal; could be under “Unacceptable”, not diversion level.
340	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Comment that Rethink is rather focused on a transition to a circular economy, but where does supporting innovation fit into the proposed hierarchy.
341	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	A member noted recovery should be a combination of items you can’t recycle – should be thought of if they can be recovered or must go to landfill.
342	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Member noted no concern with Recover being a part of the hierarchy, it’s aligned with Provincial hierarchy – no issue with alternative fuels, better than it being landfilled.
343	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Member supports hierarchy as proposed.
344	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Updated Waste Hierarchy and Goals	Member suggested replacing recovery for fuel with recovery of materials for recycle and reuse.
345	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	A member noted increasing challenge of siting depots in the region (i.e. Encorp, etc.)
346	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	Comment that the strategy should prioritize the reuse/repair groups that currently operate at the existing facilities, allow them to have input on the reuse and repair process.
347	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	Suggestion that recycling opportunities should be close to consumers and a focus on reuse options.
348	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	Cultural communities and repair/reuse – a potential suggestions is to provide space at facilities to provide knowledge sharing and community building that addresses different cultures in the region.

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349	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	A member noted the new hierarchy and strategy doesn't include a circular economic lens, example is thinking about adjacent land use to the major facilities and the potential to co-locate circular activities.
350	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	Suggestion to have drivetime map that considers population density in the region.
351	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	Member asked about the reuse pilot going at United Boulevard facility? Staff shared information that the scope of materials being collected is less than at the North Shore facility, and will come back with some further information.
352	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	Suggestion to expand reuse pilot including the types of materials accepted and expanding EPR programs.
353	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	Suggestion to look at these strategies to design a system so that inspections of 80% of loads can take place.
354	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Recycling and Waste Centre Strategy Development	Suggestion of partnering with public groups, while prioritizing the upper parts of hierarchy and look into having alternate ways to delivery services to address accessibility (i.e. farmers market, adjacent businesses) for reuse opportunities.
355	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Regulatory Strategy	Member asked for clarification as to is considered a generator with respect to the Generator Levy.
356	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Regulatory Strategy	Comment on waste hierarchy having a reduce and reuse, and how that relates to the priorities of the regulatory strategy.
357	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Regulatory Strategy	Member commented that it is difficult to comment and provide meaningful feedback on the draft regulatory strategy when the committee has not seen the draft strategies and actions yet.
358	19-Jun-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Regulatory Strategy	Staff and committee agreed that a more detailed draft regulatory strategy will be brought back to the committee at a later meeting.
359	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government	Land use and zoning concerns	Municipalities need to have full control to determine zoning needs. Many competing pressures on zoning. Low support for this action being in the regional solid waste plan.
360	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government	Land use and zoning concerns	When it comes to zoning for facilities, municipalities would need to consider other types of industry in addition to recycling and waste processing.
361	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government	Land use and zoning concerns	Currently, recycling and waste processing facilities tend to be sited outside of residential areas. There are examples of other countries (e.g. in Europe) where facilities are within cities, which increases accessibility for residents.
362	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government	Suggested approach	Metro Vancouver could provide guidelines and standards related to land use planning to accommodate facilities.
363	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government	Suggested approach	Focus more on encouraging local management of recycling of waste, rather than processing outside of the region.
364	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government	Suggested approach	Need more public understanding of consumption habits, and where the items are ending up to help curb consumption.
365	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government	Suggested approach	Metro Vancouver should continue to provide public education and advocacy through waste reduction campaigns to promote reducing waste in the region so less new facilities are needed for processing.
366	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Suggest regionally developed guidelines for multiplex (similar to the space guidelines).
367	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Metro Vancouver could develop high level guideline, and member jurisdictions could determine implementation in their community.
368	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Guidelines set by Metro Vancouver could help decrease the amount of waste coming from each household and multiplex.

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369	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Request for clarity that harmonization means consistent services provided across the region, rather than consistent service delivery models. Recognize that members differ in service delivery (e.g. manual or semi-automated collection single stream or multi stream recycling).
370	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Suggestion: this action could include versions of harmonized approach (i.e. if you have this type of service, these could be options for the action).
371	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Most municipalities are still working through the complexity of multiplexes as it is a new concept.
372	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Considering longer term (e.g. 10 years), this action may need to be reworded to specify member actions within that timeline.
373	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		This action could be embedded within other actions in the plan, rather than be its own action.
374	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Require clarity on whether this action is for member jurisdictions or Metro Vancouver, particularly in creating and providing space for repair and reuse initiatives.
375	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Clarity about whether this means creating new spaces or using existing ones. Confusing as it is an action under “land use planning”.
376	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Support for using existing public spaces for short-term temporary repair and reuse initiatives, like pop-ups or single day events. Little support for members identifying or providing more permanent spaces or renting spaces out.
377	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Action could be separated into two distinct actions that includes: -Clarity on the creation of space versus using existing spaces -Delineating Metro Vancouver’s involvement vs. member jurisdiction involvement
378	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Action needs to consider the cost efficiency for member jurisdictions.
379	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Suggestion that space for circular activities be provided regionally, where funding would come from all residents, similar to the recycling and waste centres
380	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Important to require recycling at all properties, but resistance to adding more regulation for businesses such as through business licensing requirements.
381	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Any incentive will cost local governments or businesses money; also requires regulation.
382	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Some confusion as to how this draft action differs from the one below.
383	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Difficult to enforce.

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384	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Perhaps putting increased pressure on existing recycling requirements is more practical for implementation.
385	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Suggest that this should be implemented at a regional level rather than municipal level.
386	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Suggestion that this is easy for municipalities to incorporate into their bylaws, but enforcement is the primary challenge.
387	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Rephrase action to note this action is to update existing regional guidelines.
388	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Consider who is contributing to this plan action, and outline responsibility.
389	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Support for Metro Vancouver to update space guidelines, and members can make decisions on adopting/enforcing the guidelines in their communities.
390	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Confirmation that space guidelines are useful. Members who currently provide the information to developers have not received push-back on space requirements.
391	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government		Need to work together across the region to adopt these actions consistently.
392	20-Jun-25	Workshop Notes: Metro Vancouver Conference Day – Solid Waste Management Plan: Municipal Priority Actions for a Resilient Region Workshop	Member Jurisdiction Staff	Local government	General Feedback	Consider presenting the municipal actions as “possible” or “potential”, or similar language to indicate members are not required or obligated to commit to these actions.
393	20-Jun-25	Email submission from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Waste-to-Energy	Toxic Emissions: Even with modern pollution controls, WTE incinerators emit toxic pollutants—including dioxins, furans, and fine particulate matter—through their smokestacks. These substances can bioaccumulate and are linked to serious health effects like cancer, hormone disruption, and respiratory disease.
394	20-Jun-25	Email submission from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Waste-to-Energy	Fly Ash and Bottom Ash: The process leaves behind fly ash (highly toxic and filled with heavy metals like lead, mercury, and cadmium) and bottom ash, which together account for about 15–20% of the original waste volume. This hazardous material often ends up in landfills, posing long-term contamination risks.
395	20-Jun-25	Email submission from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Waste-to-Energy	Cost and Long-Term Lock-In: WTE plants are expensive to build and operate, requiring decades of guaranteed waste supply to justify the investment. This locks municipalities into long-term contracts that discourage efforts to reduce or divert waste, because burning garbage becomes economically necessary to feed the incinerator.
396	20-Jun-25	Email submission from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Waste-to-Energy	Undermines Zero Waste Goals: WTE sends the wrong message. Instead of reducing consumption, improving recycling, and investing in reuse systems, it encourages business-as-usual disposal. People and producers are not held accountable for the waste they create.
397	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	Clarifying questions	Does this action apply to special events or specifically municipal venues/locations?
398	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	Draft Action	Implement requirements for food recovery and reusable food service ware at civic event venues and facilities
399	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	Draft Action	Harmonize approaches for house moving and deconstruction bylaws, including data collected and reported.
400	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	Draft Action	Develop a regionally consistent residential large/bulky item collection program for reuse and recycling.
401	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Temporary Pop-Ups: Repair and reuse pop-ups to build public support and test demand.
402	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Metro Vancouver Leadership: Provide clear definitions, zoning templates, and implementation guidelines.
403	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Flexible Zoning Options: Explore minor amendments to commercial zoning for drop-off points.

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404	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Temporary Use Provisions: Consider interim land uses or conditional approvals before permanent facilities are viable.
405	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Mapping and Data: Include facility maps and zoning types in regional guidance documents.
406	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Terminology Shift: Use “encourage” instead of “require” to reduce resistance. Use “special events” instead of “civic event venues”.
407	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Regional Guidelines: Develop harmonized special event waste reduction guides.
408	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Education First: Build awareness among event planners and stakeholders.
409	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Toolkits and Resources: Provide Zero Waste event guides and food recovery information.
410	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Permitting Integration: Include waste reduction plans in event permits where feasible.
411	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Shared Platform: Create a regional platform for data, best practices, and guidelines.
412	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Clear Definitions: Establish what qualifies as deconstruction.
413	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Facility Licensing: Track and regulate where materials are processed.
414	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Leverage procurement and permitting: Use civic projects to drive demand for deconstruction.
415	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Awareness Campaigns: Highlight the volume and impact of construction and demolition waste.
416	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Flexible Implementation: Provide guidelines and resources, not mandates, allowing local adaptation.
417	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Data Collection: Study illegal dumping and large item pickup effectiveness.
418	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Extended Producer Advocacy: Align with extended producer responsibility programs.
419	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	How can these challenges be overcome?	Business Case Development: Include cost-benefit analysis and waste diversion potential.
420	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Zoning Gaps: Existing facilities (battery/electronics processing, bottle depots, etc.) are not reflected in zoning or Official Community Plans (OCPs).
421	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Inconsistencies in Industrial Zoning: Industrial zoning varies in definition and application across municipalities.
422	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Limited Support: Municipal and public resistance to siting waste-related facilities.
423	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Land Access: Some municipalities lack industrial land altogether.
424	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Private Sector Barriers: Reuse and repair businesses face unclear or restrictive zoning.
425	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Knowledge Gaps: Zoning regulations are complex and at most municipalities involve staff from Planning departments.
426	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Interdepartmental Coordination: Difficult to align multiple departments and responsibilities.
427	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Cost and Logistics: Providing and managing reusables and food recovery services is resource intensive.
428	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Council Buy-In: Competing priorities and affordability concerns may limit support.
429	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Terminology Barriers: Terms like “requirement” are seen as too rigid and discouraging.
430	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Risk of Deterrence: Over-regulation may discourage event planning.
431	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Process Complexity: Bylaw changes affect permitting and operational processes.
432	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Diverse Priorities: Municipalities have varying goals, priorities and resources.
433	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Cost Competitiveness: Deconstruction is often more expensive than demolition.
434	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Supply vs Demand: Matching demand to supply availability for salvage materials can be challenging, resulting in storage requirements.

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435	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Budget Constraints: Programs may require tax or utility rate increases for program funding.
436	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Conflict with the Producer Responsibility Concept: Large item pickup does not shift responsibility from municipalities to producers.
437	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Effectiveness Uncertainty: Unclear if large item pickup significantly reduces waste disposal.
438	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	Data Gaps: Need more information on illegal dumping and program outcomes.
439	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What are the primary challenges associated with this action?	I turned this around since EPR for many large items isn't currently in place
440	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What is this action trying to achieve?	Support the development of waste reduction, recycling, and organics processing by updating zoning bylaws and land use planning frameworks.
441	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What is this action trying to achieve?	Reduce food waste and single-use items at events by promoting food recovery and reusable service ware practices. Educate the public and event providers on opportunities to reduce food waste/increase food recovery.
442	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What is this action trying to achieve?	Standardize alternatives to demolition, such as deconstruction and house moving practices, and data collection across municipalities, reducing construction and demolition waste and raise awareness about quantities of construction and demolition waste.
443	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	What is this action trying to achieve?	Development of a consistent approach to large/bulky item pickup for reuse and recycling across municipalities.
444	26-Jun-25	Workshop on Draft Member Priority Actions	REAC Solid Waste Subcommittee	Advisory Commiittee	Draft Action	Facilitate waste reduction and recycling businesses including organics processing through land use planning (e.g. update zoning bylaws)
445	1-Jul-25	Letter from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee		We greatly appreciate the extra effort taken to engage more broadly with different constituencies across Metro Vancouver, however we are concerned that the information being shared with the Zero Waste Committee is not inclusive of all of the feedback given.
446	1-Jul-25	Letter from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee		PTAC provided feedback on two version of the hierarchy and changes have been made but the version going to the ZWC still includes alternatives to fossil fuel but in a different way. This does not reflect the feedback from the committee nor was there a chance to review this version at the committee.
447	1-Jul-25	Letter from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee		There have been requests to discuss residual management options before selecting actions or goals so that the level of ambition in the plan is known and thus the scale of actions can be informed. We are concerned that the opposite approach is being taken -to select the actions and then stay committed to running an incinerator.
448	1-Jul-25	Letter from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee		There have been consistent calls for the waste to energy facility to be phased out at both general PTAC committee meetings and at all three working groups. This call has been requested in discussions on the goals, the hierarchy and also in the ideas generation phase. So far there has been no discussion and limited reporting in this.
449	1-Jul-25	Letter from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee		In both the PTAC and IAC, members have started asking for minutes to more accurately reflect the conversation as opinions that may differ from staff's are often not recorded or are recorded in a weaker fashion. This means that if a ZWC member were to read the minutes, they could not know the level of concern on key issues from members.
450	1-Jul-25	Letter from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee		There were many suggestions regarding stopping continued incineration that can be seen in the detailed log of ideas but this is not reflected in the summary. This is reminiscent of the last planning process where the majority of opinions on waste to energy were not in favour but it was unclear if that information was ever shared with the Zero Waste Committee or the Board before approving the plan.
451	1-Jul-25	Letter from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee		The options criteria shown on the July 3rd-had been consulted on at the May PTAC meeting with input on how to improve them but there has been no change to them.
452	1-Jul-25	Letter from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee		To add to this feeling of needing a rubber stamp, PTAC has had to ask for additional meetings as the process proposed would give only a few minutes for discussion and certainly not enough time for all members (many of whom are new) to share their thoughts. The previous agendas have been full of updates and other items that are not necessary for the work of the committee and yet the key tasks had insufficient time. Often the engagement was to be done in breakout groups so the whole committee would not get to hear other's opinions or form a consensus. We are grateful for the extra meetings that have since been granted but wish to ensure that the time is well spent and the feedback taken in for thoughtful deliberation.
453	1-Jul-25	Letter from PTAC Member	Public/Technical Advisory Committee (PTAC)	Advisory Committee		In addition, the timeline for this plan: start (approval to pursue it in 2019) to establishing committees (2022) to possible approval (2027) for a ten year plan that needs updates every five years shows the need for improved efficiency. This would be easier if there was an existing Plan Monitoring Committee as many members would then already be up to date on current systems. It will also be better now that more thorough engagement systems have been established. Metro Vancouver has engaged a consulting firm to assist with this process (these companies are used to turning around plans in a much shorter time) but staff are doing much of it themselves and not availing themselves of the expertise. This also adds the sense of being drawn to foregone conclusions rather than true engagement. The time delay also means that the 14 year old plan is still being used to guide decisions.
454	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	A Call for Informed Oversight and Expert Engagement	Should these risks not be fully accepted or understood by all stakeholders involved in approving Metro Vancouver's Solid Waste Management Plan, we strongly recommend that an independent expert be invited to present directly to the Zero Waste Committee, the Public/Technical Advisory Committee (PTAC), the Integrated Advisory Committee (IAC), and the GVS&DD Board. This expert—ideally from the Energy Justice Network or a comparable organization with expertise in waste combustion, environmental health, and regulatory risk—can clearly explain the environmental, legal, and public health implications associated with classifying combustion of waste-derived fuels as "recovery."

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455	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	A Call for Informed Oversight and Expert Engagement	The presentation should include time for meaningful dialogue and Q&A, allowing committee members and staff to raise concerns and explore technical considerations in an open, evidence-based forum. If Metro Vancouver intends to advance a credible and protective plan for the region, it is essential that all approval bodies are fully informed about the potential environmental, legal, and public health consequences associated with this classification.
456	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	Combustion of Plastics and Treated Wood Is Hazardous, Not a Climate Solution	Plastics, derived almost entirely from petrochemicals, are not fossil fuel *alternatives*— they are fossil fuel products. When burned, they release substantial greenhouse gas emissions and toxic by-products such as dioxins, benzene, styrene, and heavy metals. Reframing their incineration as “creating alternatives to fossil fuels” is misleading and counterproductive, masking environmental harm under the guise of recovery.
457	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	Conclusion	Combusting waste—whether through mass burn facilities or industrial co-processing—represents the most significant barrier to achieving a progressive and effective zero waste system in Metro Vancouver. The reclassification of this process from recycling to recovery, while notable, is insufficient. The outcome remains the same: the destruction of material resources and the release of harmful emissions from chemically complex and often toxic feedstocks. Such practices must be treated as disposal, not diversion. We urge Metro Vancouver to reconsider this classification, to uphold the foundational principles of the Solid Waste Management Plan, and to reaffirm its commitment to waste prevention, material preservation, and true circular economy innovation.
458	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	Industrial Use ≠ Circular Recovery	Industrial facilities are designed for production, not waste destruction. When RDF is burned: - Combustion byproducts include persistent organic pollutants (POPs), chlorine compounds, dioxins, and heavy metals. - There are typically no mandatory third-party reviews, public consultations, or environmental impact assessments for these fuel-switching decisions. - Monitoring of pollutants such as PM2.5, mercury, or dioxins is inconsistent or entirely absent from regulatory frameworks.
459	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	Industrial Use of Refuse-Derived Fuel (RDF) Is Not Diversion, and Carries Significant Risks	The classification of “creating alternatives to fossil fuels” within the *Recover* tier appears to also encompass the use of RDF or engineered fuel in industrial applications such as cement kilns, pulp mills, lime plants, and other facilities. While this might appear to displace traditional fossil fuels, it does so by introducing chemically complex waste into industrial combustion systems not designed or permitted for such use.
460	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	Introduction	We write to express serious concern regarding Metro Vancouver’s proposed inclusion of waste combustion—particularly through the use of refuse-derived fuel (RDF) or engineered fuel—as a method of “recovering resources from non-recyclable materials” under the *Recover* tier of the draft Solid Waste Management Plan (SWMP) hierarchy. While this classification attempts to distinguish these processes from traditional waste-to-energy incineration, the underlying outcome remains the same: the irreversible destruction of material resources through combustion. Whether the feedstocks include plastics, treated wood, textiles, composites, or other chemically complex materials, the use of such fuels in industrial applications does not constitute recovery—it is disposal. Reframing this activity as diversion risks undermining core principles of waste prevention, circular economy design, and environmental protection.
461	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	Reframing Combustion as Diversion Undermines Long-Term Progress	Positioning thermal destruction as a recovery mechanism, even with the updated distinction from recycling, threatens to undo decades of work—by governments, communities, and industries—focused on redesigning packaging, advancing circular systems, and scaling reuse and refill models. It also jeopardizes future progress toward Metro Vancouver’s stated goals to “enable circular systems that preserve resources” and to “minimize waste generation” through meaningful source reduction strategies.
462	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	Reframing Combustion as Diversion Undermines Long-Term Progress	Allowing this form of combustion to remain within the diversion metrics sends a dangerous policy signal: that the region is willing to equate the destruction of materials with their recovery. This misrepresents what recovery truly means in a circular economy and reduces the urgency and accountability placed on producers to design materials and packaging for genuine reuse, recycling, or compostability.
463	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	Regulatory and Precedent Risks	Canada and British Columbia currently lack consistent standards for RDF use in industrial co-processing. Cement kilns and pulp mills are not required to use continuous emissions monitoring systems (CEMS) for many critical toxins associated with waste combustion. Air quality standards do not reflect the complexity and toxicity of mixed waste feedstocks, and there are few, if any, public disclosures on what is being burned and what is being emitted. By classifying RDF combustion as “resource recovery,” Metro Vancouver risks normalizing the practice across multiple sectors, creating a regulatory blind spot and weakening incentives for upstream material solutions.
464	2-Jul-25	Letter to the Zero Waste Committee	HSR Zero Waste and others	Waste Industry	Undermining Circular Economy Goals	Such a classification allows the destruction of resources to be counted as diversion, providing cover for systems that destroy rather than preserve value. It risks disincentivizing packaging redesign, material recovery innovation, and community-scale reuse and refill programs. It also opens the door to widespread combustion of heterogeneous waste in facilities ill-equipped to manage the environmental and health risks. This approach is fundamentally incompatible with the Plan’s stated commitments to resource preservation, waste minimization, and pollution prevention, and it sets a precedent that will be difficult to reverse.
465	2-Jul-25	Letter to the Zero Waste Committee Re: Objection to Classifying Waste Combustion for “Fossil Fuel Alternatives” Under Recovery Tier	HSR Zero Waste and others	Waste Industry	Combustion of Plastics and Treated Wood Is Hazardous, Not a Climate Solution	Treated and composite wood materials further compound this risk. These often contain glues, stains, preservatives, formaldehyde-based resins, and other chemical additives that release harmful pollutants—including fine particulate matter (PM2.5), volatile organic compounds (VOCs), and carcinogens—when combusted. Without strict controls and continuous emissions monitoring, burning these materials introduces unnecessary risks to public health and environmental safety.
466	19-Jul-25	Email submission	N/A	Public members-at-large	Waste-to-Energy	I have suggested several times that Metro Vanc could make a bold move to incinerate waste and send None to the landfill. The plant in Copenhagen (Amager Bakke) is doing it very successfully — why can’t Vancouver copy that model?

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467	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Metro Vancouver's Solid Waste Industry Advisory Committee (IAC) and Public/Technical Advisory Committee (PTAC) play key roles in the ongoing Solid Waste Management Plan update. To assess the transparency and integrity of this consultation process, we reviewed the published minutes and available video recordings of the last five meetings of each committee. Specifically, we compared official meeting minutes against the actual discussions (as evident from video or transcript) to identify any discrepancies, omissions, or misrepresentations. Our analysis focused on how key issues were documented, including: - Concerns about classifying waste-to-fuel ("fuel substitutes") as recycling. - Whether committee feedback and objections, especially expert input, were fully and accurately recorded. - Treatment of major topics such as residuals management (long-term disposal), landfill capacity, and the draft waste management hierarchy in the minutes versus actual discussion. - Instances where member comments were omitted or summarized in a potentially misleading way. Below we summarize our findings, with supporting evidence from official IAC/PTAC minutes and related materials.
468	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	For the Public/Technical Advisory Committee (PTAC), we examined meetings in late 2024 and 2025, including: September 13, 2024; November 21, 2024; February 21, 2025; April 10, 2025; and the special meeting on May 8, 2025 (convened to continue April's agenda). For the Industry Advisory Committee (IAC), we included: November 7, 2023; January 9, 2024; March 5, 2024; April 8, 2024; and subsequent early 2025 meetings (February 4, 2025 and March 4, 2025). These encompass the most recent five or more gatherings where substantive plan-related discussions occurred. Meeting minutes were obtained from Metro Vancouver's website (often as part of agenda packages), and video recordings (where available) were reviewed to verify the content of discussions. (Note: Some IAC/PTAC meetings in this period were held virtually with recordings posted, while a few were in-person with no recordings. In those cases, our analysis relies on the official minutes and any available transcripts or summaries.)
469	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	**Classification of Waste-to-Fuel as "Recycling" – Concerns and Documentation:** One of the most contentious issues has been whether materials diverted from waste to produce fuel (often termed "fuel substitutes" or "recycle as energy") should count as recycling in the waste management hierarchy. Multiple committee members – including industry representatives and zero-waste experts – raised strong objections to labeling waste-to-fuel as recycling.
470	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	PTAC Small-Group Feedback (April 10, 2025): During the April 10 PTAC meeting, members broke into groups to discuss the draft waste hierarchy. The initial draft hierarchy presented by staff included a category for "Recycle as energy" (meaning recovering waste for fuel/energy). In small-group reports, members voiced concern that this would legitimize waste-to-fuel as an equally desirable outcome, thereby discouraging higher-tier actions like reduction and true recycling. The summary of their discussion (attached to the meeting record) shows members felt "Recycle as energy" is not clear and that recycling should only refer to materials at their highest value, not burning for energy. Specifically, the inclusion of "Recycle as energy (fuel)" in the hierarchy "suggests a constant demand and would ultimately discourage active participation in the top of hierarchy," according to the PTAC feedback. While it was noted in the attached details; someone suggested that if such a category exists at all, it be reframed (e.g. renamed "Dedicated Fuel") or moved under disposal rather than recycling, "'Recycle as energy' is more appropriate in disposal; it should be 'disposal as energy'". In the "Dispose" section of the detailed notes, it was recorded that a participant stated that energy recovery should rank above landfill if considered at all, noting "waste-to-energy should be included above landfill, since it still has a beneficial component," but there was no mention in the details in that same section that many argued that incineration should be either below landfilling or unacceptable. Even though this feedback exists in the attachment it is still incomplete, and the main minutes of the April 10 PTAC meeting only briefly note that "members had small group discussions on [the draft hierarchy]; a summary of these discussions is included as Attachment 1". No detailed points from this debate appear in the body of the minutes, potentially downplaying the level of concern to anyone reading the minutes without the attachment.
471	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	IAC Discussion and Q&A (May 6, 2025): The IAC's May 6 meeting (held via Zoom) provides a stark example of members pressing Metro Vancouver staff on this issue. According to the official minutes, during a presentation on the "Updated Waste Hierarchy and Goals," a member asked pointedly whether Metro Vancouver has decided to count fuel derivatives as recycling, noting that "the Provincial government includes fuel substitutes in its definition of recycling, but other countries have excluded creating fossil fuels from their definitions." The question: "Has Metro Vancouver confirmed that fuel substitutes should be included in the recycling section?". Staff's response (per minutes) was that "Metro Vancouver is not bound by the Provincial hierarchy; however, the current practice is to count material used as a fuel substitute as recycling.". This essentially confirmed that, at least at present, Metro Vancouver does count waste-to-fuel toward recycling, despite international examples to the contrary.

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472	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	The exchange did not end there. A follow-up Q/C (question/comment) from a committee member pressed further: "So this was a decision by Metro Vancouver to include materials used as fuel substitute in the recycling definition? There have been many voices saying that this is not appropriate.". The member went on to state that counting fuel as recycling "does a disservice to the recycling industry who are trying very hard to find markets for materials that can be recycled." In other words, experts in the industry feel this practice undermines real recycling efforts by artificially inflating recycling rates with what is essentially disposal (fuel burning). The minutes do capture this strong language (without naming the speaker) and show that Metro Vancouver staff responded by acknowledging the feedback but somewhat deflecting the issue. The staff's reply was that one of the "potential metrics and targets for the updated plan could include tracking and maximizing the amount of material that is recycled into new products and materials," and that Metro Vancouver "will continue to be responsive to feedback on potential metrics." Ultimately, staff noted, "it is our Board that will make the decisions" on the plan, albeit "they will hear all the feedback we've heard from all audiences throughout the plan update process.". Finally, a committee member (evidently unsatisfied) added "I believe this requires more discussion before it's adopted because this is ultimately going to hold us back from achieving our goals.". This closing remark underscores the depth of concern: stakeholders fear that misclassifying waste-to-fuel as recycling could impede genuine waste reduction goals. Notably, the minutes for this meeting are quite detailed on this sequence, capturing the Questions/Comments and Response dialogue in a way that aligns closely with what was said on record. In this instance, the published minutes do reflect the objections and rationale voiced by experts, including references to other jurisdictions and the impact on recycling markets. However, it is important to note that this level of detail appeared in the draft minutes of May 6, 2025; earlier meeting records were not always so explicit.
473	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Lack of Visibility in Summaries: While the May 2025 IAC minutes are granular, earlier meetings and the PTAC minutes often summarize such concerns more generally. For example, prior to these exchanges, the idea of including "Recycle as energy" in the hierarchy was first flagged as problematic during earlier workshops. The PTAC's feedback in April (as mentioned) was appended to the minutes but not summarized in the main text. Similarly, the IAC's February 4, 2025 meeting indicates that the committee had to explicitly add "Draft Goals and [Waste] Hierarchy" as a topic to their 2025 Work Plan, "The Work Plan was amended to include 'Draft Goals and Hierarchy'" after a member suggested that the hierarchy needed to be discussed alongside plan goals. This implies that without member intervention, the waste hierarchy (and by extension, the "fuel as recycling" question) might not have been deliberated as a priority. In short, the concern over waste-to-fuel classification was very much on the minds of committee members, and while it was raised and recorded in places, one must dig into attachments or Q&A sections of minutes to find it. A casual reader of meeting summaries or high-level notes might miss the intensity of this debate, raising questions about the transparency of how these dissenting views are being communicated upward or outward.
474	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	**Committee Feedback & Expert Objections – Completeness of the Record:** We next examined whether the minutes fully and accurately captured committee feedback and objections, especially the input provided by subject-matter experts or seasoned industry members. A pattern emerged where certain objections are noted in the minutes, but often briefly, and sometimes without context, whereas the meetings themselves featured more extensive discussion or multiple voices on the issue. Below are examples illustrating this:
475	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Desire for Genuine Consultation: At the IAC meeting of November 7, 2023, members expressed concern that their expertise was not being tapped early or often enough in decision-making. The minutes record a "suggestion to solicit the expert advice of the IAC Committee members before submitting decision items to the Zero Waste Committee" (the Board's standing committee). In the same breath, it notes that "Industry Advisory Committee Co-Chairs will be discussing how to increase member participation related to linking its work with that of the Zero Waste Committee.". This indicates IAC members felt consultation was happening late or that their input was not reaching the governing bodies in time. The minutes do reflect this suggestion, which came directly from members, highlighting their desire for a more meaningful role. Whether this feedback is acted upon is another matter, but at least it was documented.
476	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Concerns About Transparency of Information: A striking example of an objection by members being captured succinctly (if bluntly) is found in the same Nov 7, 2023 IAC minutes. During Zero Waste Committee updates, the topic of Vancouver Landfill's remaining lifespan and capacity came up. The minutes state: "View that responses to questions about the lifespan and capacity of the Vancouver Landfill are not transparent.". In plainer terms, one or more members felt that Metro Vancouver staff had not provided clear or satisfactory answers regarding how long the region's primary landfill can continue to operate. This is a serious assertion, essentially accusing the process of lacking openness about a critical piece of data. The fact that it was captured in the minutes at all is significant. However, what's missing is any detail of what was asked and how it was answered (or not answered). The video of that meeting (and accounts from attendees) indicates that members were trying to pin down specifics, for instance, "How many years of capacity remain at the Vancouver Landfill under current disposal rates?" and were met with either vague estimates or deflections. The minutes, by stating the outcome ("view that responses…are not transparent"), give a sense of the objection but do not record the actual response or discussion leading to that frustration. There is no indication if staff disagreed, promised to provide data later, or otherwise addressed the complaint. In this way, the minutes acknowledge a transparency issue was raised, but provide no transparency in the record itself about the landfill data. A reader must infer that the committee was left dissatisfied. This is a subtle but important shortcoming in the documentation.

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477	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Expert Presentations – Recorded vs. Omitted: PTAC meetings often feature outside expert or member presentations. A notable one was on September 13, 2024, when PTAC member Sue Maxwell (Zero Waste BC) presented a case study examining the Metro Vancouver solid waste system and the Waste-to-Energy (WTE) facility's role. The presentation, as described, questioned the WTE incinerator's environmental and economic performance and explored scenarios for phasing it out. The minutes do list this presentation by title and then summarize member discussion that followed. Crucially, however, the minutes do not summarize the content of the presentation at all, only the reactions to it. This means the official record is silent on the critical data or conclusions Ms. Maxwell likely shared (e.g., emissions statistics, comparisons to alternatives, etc.). Instead, the record focuses on questions and comments from other members: e.g., clarifying the source of greenhouse gas data, and asking what alternatives to the WTE facility exist if it were to be closed. One staff response noted in minutes is that Metro Vancouver is working on a source-reduction incentive program (tangentially related to reducing waste before it reaches disposal). Members then debated points raised by the case study: one emphasized that a robust waste reduction plan is paramount and pressed about the costs of waste reduction measures, then asked "In the meantime, what are the alternatives to the Waste-to-Energy Facility?". Another member responded with a strong caution: moving all waste to landfill is not the solution; we should focus on waste reduction and recycling as the priority. And, significantly, the minutes note: "Concern was expressed on the message of the case study supporting Waste-to-Energy Facility closing down given the importance of maintaining all options for managing residuals for the region.". In simpler terms, at least one member voiced opposition to the idea of shutting the incinerator, arguing that the region needs to keep every disposal option (incineration, landfill, etc.) on the table to handle garbage that cannot be recycled.
478	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	What emerges from the video vs. minutes comparison here is an imbalance in recorded perspectives. The minutes capture the skepticism about phasing out WTE (the counterpoint), i.e. the argument for maintaining incineration – but nowhere do they explicitly state that some members (and the presenter) advocated for eventually closing the incinerator. The "message of the case study" is mentioned, yet one has to infer that message (closure of WTE) because it's not explicitly summarized. This could be considered a misrepresentation by omission: readers of the minutes see the concern about the case study's stance but not a clear statement of what that stance was or which committee members supported it. In effect, the minutes could be read as if the committee as a whole was mostly concerned about keeping the incinerator, whereas in reality there was a divergence of opinion. Some members (especially from environmental NGOs) likely supported the case study's recommendations, while others (perhaps industry or municipal reps) raised objections. Only the objections made it into the written record clearly. This kind of selective capture, whether intentional or not, undermines the completeness of the consultation record.
479	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Summarization of Objections: In several instances, members' nuanced objections were reduced to brief bullet points. For example, during the March 5, 2024 IAC meeting, staff presented the provincially-required Biennial Report on the Solid Waste and Resource Management Plan (covering data from 2021-2022). Members asked questions during discussion, including technical points about how certain materials are counted. One such question was how landfill cover materials (e.g. ground wood used as daily cover in the landfill) are accounted in the recycling/disposal statistics. The minutes note the answer: "Landfill cover materials including ground wood are not included as recycling or disposal. Some communities do count landfill cover as recycling. Detail on how landfill cover is treated will be included in reporting to the Zero Waste Committee and Board.". This is a helpful clarification that made it into the minutes – and it even flags that other jurisdictions count something as recycling that Metro Vancouver does not. Why is this relevant? It shows the committee was drilling into definitions (like what counts as recycling), and staff committed to clarify that in higher-level reports. However, the minutes do not indicate which member raised the issue or any further debate; it's presented as a factual Q&A. If one watched the meeting, one might have seen a more robust conversation about consistency of metrics or concerns that Metro Vancouver might start counting such things to boost recycling rates (akin to the fuel issue). The minutes simply give the outcome. This is not misleading per se, but it is minimalistic. For someone evaluating the consultation, it's hard to tell if the committee was satisfied or if this was a lingering concern.
480	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	In summary, most major objections by committee members are at least mentioned in the minutes, which is good. We found no evidence that outright dissent was completely omitted from the written record. However, the depth and context of those objections are often lost. The PTAC and IAC minutes tend to be action- or outcome-oriented, which can gloss over how strongly something was debated or the expertise behind a comment. In some cases (e.g. the waste-to-fuel debate in IAC), the minutes were commendably detailed. But in others (the WTE case study), one side of the discussion is underrepresented. This patchy recording can skew the perceived balance of opinions in the committees. It raises a concern that decision-makers or the public reading these summaries might not grasp the full extent of feedback, especially critical or dissenting views.
481	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	**Residuals Management, Landfill Capacity & Waste Hierarchy as Underrepresented Topics:** Residuals management (how to handle the "leftover" garbage that isn't reduced or recycled) and landfill capacity are fundamental to long-term waste planning. We looked at how these big-picture topics have been handled in recent committee deliberations and whether the minutes accurately reflect those discussions or perhaps sideline them.

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482	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Residuals Management - Deferred to Working Group: The record indicates that rather than deep diving into residuals and disposal capacity in the main PTAC or IAC meetings, Metro Vancouver chose to spin off a "Residuals Management Working Group." At the March 5, 2024 IAC meeting, staff noted that "a residuals management working sub-group with voluntary participation is also being put together, which will cover a range of topics including long-term disposal planning, competition, the generator levy, procurement, and capital budget.". An open call was to go out for IAC members to join this subgroup. This approach means that key issues like how to secure future disposal capacity (new landfills? new waste-to-energy facilities? shipping waste out of region?) were not hashed out by the full committee, at least not yet, they were punted to a subcommittee. The minutes dutifully record the formation of this working group, but thereby also show that the main forum (IAC) did not have a thorough public discussion of residuals management in that meeting. Indeed, earlier in November 2023, IAC members had identified "Future capacity and long-term planning" for both the Vancouver Landfill and the Waste-to-Energy facility as topics they wanted on the 2024 Work Plan. They even suggested dedicating "one topic at each IAC meeting for more in-depth discussion" such as landfill closures and plans for the current incinerator. The fact that a separate working group was later established indicates that the detailed discussion might be happening out of the main public eye (working groups are often less formal and may not have published minutes). Stakeholders might view this as underrepresentation of a crucial topic in the primary records.
483	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Landfill Capacity – Evasive Answers: As mentioned, when IAC members did try to pin down landfill capacity questions in open session (Nov 2023), they felt they got non-answers. The minutes capture their dissatisfaction ("responses…are not transparent"), but not the specifics. The context from the meeting (and subsequent meetings) suggests Metro Vancouver may have been reluctant to publicly commit to a closure date or needed expansion for Vancouver Landfill. Given that the landfill is owned by the City of Vancouver and has a finite life, this is understandably sensitive. However, it is exactly the kind of issue the committees are meant to advise on. The public minutes from PTAC meetings in 2024 show little mention of landfill capacity at all, aside from data reports. For example, an information item at the November 21, 2024 PTAC meeting included a "Regional Waste Flows" report, but any discussion on what those flows imply for landfill life isn't noted. Likewise, the Zero Waste Committee (Board committee) agendas referenced in PTAC materials suggest that disposal topics (like an update on "contingency disposal") were being handled there, perhaps with limited input from PTAC. The absence of explicit landfill capacity discussion in PTAC minutes, despite it being a looming concern, could mean that the issue was not given adequate time at PTAC, or that any such discussion was high-level. Only by reading IAC minutes (or attending meetings) would one catch that members are uneasy about the lack of transparency on this front. In terms of official record, this is somewhat underplayed.
484	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Waste Management Hierarchy Draft – Summary vs. Substance: The draft updated waste hierarchy (the ladder of Reduce, Reuse, Recycle, etc., including contentious categories like "Recycle as energy") was a major topic in early 2025. PTAC's April 10, 2025 meeting was devoted to this, yet the minutes provide almost no detail besides noting that an update was given and that small-group discussions occurred (with a summary attached). As detailed above, the attachment captures very substantive feedback (including the recommendation to rename or move "Recycle as energy" and even to perhaps retitle the "Waste Hierarchy" to "Resource Hierarchy" to emphasize reduction, etc.). But none of those specifics make it into the meeting summary itself. Similarly, the discussion of draft goals and metrics for the plan at that meeting was boiled down to a few bullet points in the minutes (e.g. recommending per-capita metrics, noting difficulty of measuring upstream emissions, etc.). What's the discrepancy? Mainly that any contentious or challenging feedback in those discussions lives in attachments or is deferred. The options analysis criteria (essentially how to evaluate different waste management options) was deemed so important that the PTAC scheduled an extra meeting on May 8, 2025 to continue it. We searched the records of that meeting and found that PTAC members continued to probe Metro Vancouver's assumptions, for instance, asking how certain costs and emissions trade-offs would be weighed. If those conversations were as probing as the waste-to-fuel ones, the worry is whether the minutes of the May 8 meeting (once published) will thoroughly reflect them, or only list which criteria were reviewed. At this time, the May 8 discussions are not yet in published minutes form, so we cannot fully assess that.
485	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	In sum, some major topics appear to be under-discussed in the main committee records. Residuals management (i.e. what do we do with the "garbage" portion in the long run) and hard questions about capacity and new facilities are not front-and-center in the minutes. They are either spun off to subgroups or touched on only through brief comments (like the transparency complaint). The waste hierarchy debate was certainly discussed, but the official summary hides the controversy in an attachment. This could be seen as a lack of upfront transparency. A casual reader might not realize there was significant pushback on the proposed hierarchy at all.
486	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	**Potential Misrepresentation or Omission of Member Comments:** Finally, we scrutinized whether any committee member comments were left out entirely or summarized in a misleading way in the minutes. It's important to state that minutes are not transcripts; some condensation is expected. However, when condensation crosses into the territory of altering the apparent meaning or consensus, it's problematic. We identified a few areas of concern:

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487	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Selective Emphasis: The PTAC September 13, 2024 minutes (as discussed under point 2) emphasize the concern about not closing the WTE facility without mentioning that others supported closing it. If one were not at that meeting, the minutes could give the impression that the committee's takeaway was chiefly worry over losing the incinerator, whereas the actual discussion was more balanced (with an entire presentation arguing for an eventual phase-out, which some members presumably found persuasive). This selective emphasis can misrepresent the diversity of opinions. We have to infer pro-reduction/pro-closure sentiments from the context (the "message of the case study") rather than seeing them clearly stated. In a sense, the dissent to Metro Vancouver's current waste-to-energy approach was voiced via the presentation, but the minutes don't explicitly credit any committee member with agreeing to that dissent, only those who argued against it. That is a form of omission that tips the scales.
488	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	"No Comments" Statements: In a few instances, minutes record that after a staff update, the Co-Chair "invited members to share comments… No comments were made." For example, in the May 6, 2025 IAC minutes, after a presentation on upcoming meeting topics, it notes: "Co-Chair Hodge invited other committee members to share related questions/comments… no comments were made.". While this could be entirely accurate (perhaps no one spoke up at that moment), it's worth verifying against the video to ensure that a comment wasn't made and omitted. Assuming the minutes are correct, the absence of comment might itself be due to prior discussions being cut short or members feeling issues were already raised. We note this because it's an area where one might suspect if a comment was made and not recorded, but our review didn't catch a specific example of that. All major remarks we heard in recordings did appear somewhere in the written record. The issue was more how they appeared (briefly or obliquely).
489	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	Level of Detail and Tone: Some members have technical expertise and provide detailed rationale in their statements. The minutes often condense these to a single line. For instance, an expert might explain that "including fuel derived from waste in the recycling rate will artificially inflate our diversion statistics and reduce incentive to invest in true recycling infrastructure". The minutes distilled a lot of that sentiment into "many voices saying this is not appropriate…a disservice to the recycling industry". While the gist is preserved, the nuance (e.g. "artificially inflate diversion stats") is lost. If Metro Vancouver staff later respond only to the recorded minutes, they might address the broad point but not the specifics. There is a risk that subtleties are being left on the cutting room floor, which can mislead by omission of detail. It might not be intentional mischaracterization, but it does flatten the discourse.
490	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	No Indication of Magnitude of Support: In situations where the committee was divided or a comment was isolated, the minutes usually don't indicate whether one person said it or many agreed. For example, "Concern was expressed…" Was that one member or a general feeling? "A member noted that…" Does that mean others concurred or not? The minutes are written in a neutral third-person passive voice. This is standard practice, but it can be misleading if, say, the majority of PTAC members objected to counting waste-to-fuel as recycling. Is that reflected as a majority view or just one comment? From the attachments we know multiple people raised that issue in small groups. The IAC minutes for May 6 present it as a series of Q/C exchanges by presumably different members (which at least hints that several people chimed in). But it's never explicitly stated how many agreed. Similarly, on residuals management, if a concern about transparency is noted, was it one outspoken person or an opinion shared by many around the table nodding their heads? The record doesn't tell us. If Metro Vancouver later says "only a couple of committee members raised X," we'd have to trust their characterization since the minutes don't quantify. This opens the door to potential downplaying of concerns when reported up the chain.
491	23-Jul-25	Attachments RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Review of Recent IAC and PTAC Meetings: Findings and Discrepancies	In conclusion, our review indicates that while the committees are surfacing crucial issues and varied perspectives, the official documentation (minutes) often does not fully convey the depth or breadth of those discussions. Important concerns, like the integrity of the waste hierarchy, how we count recycling vs. energy recovery, whether we're planning adequately for dwindling landfill space, and how transparently Metro Vancouver shares information, are indeed raised by committee members. However, the minutes frequently compress or adjunct these points (e.g. relegating them to attachments or one-liners), rather than highlighting them in the main narrative. Some viewpoints (especially those critical of existing Metro Vancouver approaches, such as reliance on WTE) come through more faintly in the written record than they did in person. This analysis suggests a lack of complete transparency and potentially a bias in emphasis at the documentation stage of the consultation process. Whether intentional or systemic, the effect is that someone relying on published minutes alone would get an incomplete picture of the feedback from these advisory committees. This gap can undermine confidence in the process, as stakeholders may question whether decision-makers are fully apprised of the committees' concerns or if inconvenient feedback is being downplayed.
492	23-Jul-25	Email submission RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Introduction	I am writing to formally express deep concern regarding significant issues with transparency, accuracy, and integrity in the consultation and decision-making process for the Solid Waste Management Plan (SWMP). As an active participant in the Industry Advisory Committee (IAC) and Public Technical Advisory Committee (PTAC), I have directly observed substantial gaps and distortions between the advisory committees' discussions and how their feedback is represented to your committee. Attached to this letter is a detailed information package that documents and substantiates these concerns through rigorous comparison of advisory committee meeting discussions, official minutes, and subsequent staff reporting to your committee.
493	23-Jul-25	Email submission RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Key Issues Identified	Misrepresentation of Advisory Input: Crucial advisory recommendations, such as strong opposition to categorizing waste-to-fuel or refuse-derived-fuel (RDF) as recycling or diversion, have been significantly diluted or generalized when reported to your committee. Expert feedback from IAC and PTAC clearly indicated this practice is misleading and inappropriate, yet it remains largely underreported or minimized in Zero Waste Committee (ZWC) documentation.

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494	23-Jul-25	Email submission RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Key Issues Identified	Delayed or Omitted Critical Discussions: Repeated requests from advisory committees for explicit and timely discussions regarding residual management, landfill capacity, and disposal strategies have been systematically deferred or ignored. This critical information, fundamental to informed policy-making, has not been transparently presented to your committee.
495	23-Jul-25	Email submission RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Key Issues Identified	Pattern of Selective Reporting and Dilution: Advisory feedback that aligns with predetermined Metro Vancouver staff positions is clearly and fully represented, while dissenting expert views or concerns are minimized or relegated to brief mentions, thus creating an unbalanced perception of consensus.
496	23-Jul-25	Email submission RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Key Issues Identified	Recent July 2025 Advisory Discussions: The recent July 2025 advisory meetings strongly reinforced earlier positions clearly stating that waste-to-fuel should unequivocally be classified as Disposal or preferably "Unacceptable" and excluded entirely from diversion metrics. This information has yet to be transparently conveyed to your committee, creating a substantial risk of premature and ill-informed decision-making.
497	23-Jul-25	Email submission RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Requests for Immediate Action	Defer any final decisions on the waste management hierarchy or residuals management until the complete July 2025 advisory meeting documentation is thoroughly reviewed by your committee and this aspect of the SWMP is fully and thoroughly discussed, along with a presentation from and discussion with an industry expert in the field of residuals management from either the Energy Justice group, GAIA, or Zero Waste International Alliance.
498	23-Jul-25	Email submission RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Requests for Immediate Action	Implement mandatory inclusion of draft advisory committee minutes and detailed feedback summaries in Zero Waste Committee reports moving forward.
499	23-Jul-25	Email submission RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Requests for Immediate Action	Schedule dedicated committee discussions specifically addressing residual management, landfill lifespan, and waste-to-fuel classifications prior to adopting any new policies.
500	23-Jul-25	Email submission RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process	HSR Zero Waste	Waste Industry	Requests for Immediate Action	Establish clear protocols ensuring all dissenting advisory viewpoints are transparently reported, preserving the integrity of committee deliberations.
501	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		This audience is already thinking critically about waste and sustainability.
502	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Many participants are already using Metro Vancouver recycling and waste centre depots.
503	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Other frequently mentioned drop-off locations include: - London Drugs (most frequent) - Vancouver Zero Waste Centre - IKEA (batteries and lightbulbs) - Workplace battery recycling programs (though many admitted using these for personal batteries) - Uniqlo and Zara (textile recycling for store brands) - Best Buy and Electro-Recycle (electronics, often at farmers markets and public events)
504	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		There is some frustration around enforcement, especially in multi-family (MF) homes. Some buildings reportedly use cameras and issue fines for improper recycling.
505	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Participants requested resources and programs for MF buildings, and some advocated fines for individuals who don’t recycle properly.
506	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Frustration that it is not convenient to drop off materials at depots, especially for muti-family residents and those without a car
507	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Want soft plastics recycling option at home – convenience is key
508	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		May comments about the lack of options for disposing of used textiles that are no longer wearable
509	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		When discussing “drop off at depot” there seemed to be a general lack of understanding as to what was meant by “depot” and how in the context of the voting tubes we mostly meant MV recycling and waste centres. E.g. some remarked that Return It depots don’t’ take back plastic film, which is correct, but this revealed that the first “recycling depot” that first comes to mind are ENCORP Return It depots.
510	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Many participants are already actively thinking about Rethink, which for them means reconsidering what and how much to buy

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511	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Rethink was especially popular among younger and older participants, with older individuals referencing frugal habits from earlier generations.
512	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Participants expressed a desire for more options to support Rethink, such as refill stores and a reuse mall.
513	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		There was strong interest in banning fast fashion, with concerns about its environmental and social impacts.
514	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Some participants asked why member jurisdictions aren't aligned, noting that the system is too complicated between cities.
515	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		It was observed that many participants when contemplating which "R" to vote on admitted openly that they needed to do more Rethinking but didn't vote on that "R" as something they were willing to commit too (typically voted Reuse and Recycle instead).
516	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Comments from residents that experiences could be a way of "rethinking" instead of purchasing products
517	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Residents may not have fully understood the meaning of the rethink choice
518	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Many comments emphasized that Reduce is not solely the responsibility of residents but should be addressed by manufacturers and retailers.
519	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Overpackaged produce and grocery items were frequently mentioned. Participants noted a tension between climate actions, as some items advertised as having "less packaging" (for shipping efficiency and GHG reduction) have switched to plastic from cardboard, causing frustration.
520	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		People are frustrated with plastics but feel there are no viable alternatives.
521	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		There is a lack of refill and bulk stores, and some feel that convenience has become the default, overshadowing efforts to save money or reduce waste.
522	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Many residents misinterpreted the 'reduce' category to mean buying less, when that is more 'rethink'
523	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Comment that 'rethink' and 'reuse' are related because if I buy something and then take good care of it, then it will last a long time and be 'durable'
524	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Reuse was the most voted-for action, with participants citing ease and convenience as key reasons.
525	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Many feel that Reuse is accessible, making it an easy and practical choice.
526	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		However, some noted that Reuse doesn't help when a product reaches the end of its life, and called for more textile recycling options, especially for non-wearable fabrics.
527	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Participants expressed interest in seeing products designed to be more repairable and were surprised and intrigued to learn about potential legislative changes and a right-to-repair bill.
528	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Kids seemed to gravitate towards Reuse when it was explained to them that an example would be repairing a toy instead of throwing it away.
529	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Pushback from residents on reusable cutlery at the PNE specifically
530	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		There is a strong desire for systemic change, including better infrastructure, clearer rules, and more accessible options.
531	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Participants are ready to act but need supportive systems and aligned policies to make sustainable choices easier.
532	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Changing the system is most effective. A resident works at a law firm and they just got rid of all their printers – employees have no option to print.
533	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Reuse and Recycling were the options that seemed "tangible" and realistic
534	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Comments on wanting curbside flexible plastics recycling
535	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Skepticism of whether recycling actually works – recycling confidence
536	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Staff received comments about PNE costs, NSWWTP costs
537	1-Aug-25	2025 PNE Engagement Summary: Community Corner	N/A	General public		Reuse PNE materials for education centres or smaller versions? Touch screen version?
538	22-Aug-25	Email submission RE: Metro Vancouver Consultation Transparency Concerns -SWMP	HSR Zero Waste	Waste Industry	Additional feedback	Thank you for your response to my July 23 submission, and for copying the Chair and Vice-Chair of the Zero Waste Committee, the IAC Co-Chair, and the Independent Consultation and Engagement Panel. While I appreciate your continued engagement, and your willingness to improve some documentation practices going forward, I must express that several key concerns raised in my letter remain unresolved. These concerns go to the heart of whether this consultation process is operating with the level of transparency and accountability required for a plan of this magnitude.

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539	22-Aug-25	Email submission RE: Metro Vancouver Consultation Transparency Concerns -SWMP	HSR Zero Waste	Waste Industry	Additional feedback	Advisory Input Was Not Adequately Reflected in ZWC Reporting: This is not simply a disagreement over how the minutes are drafted. The July 25 approval of the updated hierarchy occurred without the benefit of seeing the full July IAC and PTAC meeting feedback. These meetings included clear and repeated direction from committee members that RDF and other waste-to-fuel approaches should be categorized under Disposal, or preferably marked Unacceptable, and excluded from diversion calculations. This input came not as isolated comments, but as a consistent and multi-meeting consensus that followed similar recommendations in April and May. Yet in the July staff report to the ZWC, these objections were summarized vaguely and without any indication of their strength or prevalence. This level of filtering does not align with the intent or expectations of a robust public consultation process.
540	22-Aug-25	Email submission RE: Metro Vancouver Consultation Transparency Concerns -SWMP	HSR Zero Waste	Waste Industry	Additional feedback	Lack of Discussion on Residuals Undermines the Hierarchy Decision: It is also deeply problematic that the hierarchy was advanced and approved without a full advisory discussion on residuals management and landfill capacity. IAC and PTAC members had explicitly asked for this discussion to occur before any major decisions were made. That did not happen. Residuals infrastructure and landfill planning are critical dependencies of the hierarchy. Proceeding without full review of those topics undermines the integrity of the hierarchy decision. I strongly urge the Board and Committee to revisit this approval, especially in light of the yet-to-be-seen residuals study and the unresolved questions around Vancouver Landfill.
541	22-Aug-25	Email submission RE: Metro Vancouver Consultation Transparency Concerns -SWMP	HSR Zero Waste	Waste Industry	Additional feedback	Advisory Voice Must Be Heard Directly: While I note your comments about procedural mechanisms for transparency, the pattern we have observed is that advisory feedback which aligns with staff positions is clearly elevated, while dissenting or complex expert input is often minimized. Relegating key points to thematic bullet points or report appendices does not allow decision-makers to understand the depth or rationale of the committees' input. I again request that advisory meeting notes and breakout summaries be appended to ZWC reports moving forward, or at minimum circulated to directors when SWMP decisions are being made.
542	22-Aug-25	Email submission RE: Metro Vancouver Consultation Transparency Concerns -SWMP	HSR Zero Waste	Waste Industry	Additional feedback	Next Steps Requested: To restore confidence in the process and uphold the region's stated commitment to collaboration, I respectfully request: - That the July 25 hierarchy endorsement be reopened for discussion, pending full review of the July IAC and PTAC minutes and residuals management study. - That a dedicated session on long-term residuals and landfill strategy be scheduled before the end of 2025. - That a process be established to ensure committee consensus or majority opinions are clearly indicated and directly visible to the ZWC and Board. - That the Independent Consultation and Engagement Panel be tasked with reviewing the advisory-to-ZWC information pathway and recommending improvements.
543	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Shoes and textiles should not be lumped together in recycling programs due to their different materials and recycling processes. Footwear cannot be recycled in the same way that clothing can be, because of the mixed materials.
544	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	Possible strategies for Metro Vancouver's disposal ban program, include a focus on expanding it to include textiles.
545	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	While textiles can be recycled, Canada lacks infrastructure for effective textile recycling, with most items being shipped out for processing. A return-it campaigns pilot program ran in Vancouver that ended, it was suggested to identify the reasons for its termination, by reaching out to Return-It depot and identifying their challenges.
546	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	Are there final comments you would like to share with Metro Vancouver regarding the Solid Waste Management Plan Update?	There is a need for more repair professionals to participate in events, suggesting that businesses offer support or honorariums to reduce the workload on volunteers.
547	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Brands have a role in encouraging repair and reuse of footwear, highlighting examples like Birkenstocks offering replaceable parts and suggesting that large brands producing non-repairable shoes should be taxed for recycling or repair fees.
548	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There is a need for better collaboration with reuse organizations that are capable of recycling textiles or footwear and for verifying the relevance of proposed approaches.
549	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	Are there final comments you would like to share with Metro Vancouver regarding the Solid Waste Management Plan Update?	Cobbling shops may need to be more directly approached to be included in the reviewing plan
550	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Implementing this action would be challenging for this sector.
551	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There are issues with Metro Vancouver's repair-it campaign, which incorrectly suggested that blundstones could be reheeled (they cannot, they can only be fully resoled and only some cobblers offer the service). Cobblers were not engaged in this initiative and emphasized the importance of providing accurate information to the public and consulting experts in the field.

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552	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There is a decline in cobbler shops in Vancouver over the past five years, emphasizing the need for more repair options, incentives for new businesses offering recycling or repair of textiles and footwear
553	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	Are there final comments you would like to share with Metro Vancouver regarding the Solid Waste Management Plan Update?	Popup zero-waste initiatives and repair cafes in Vancouver are successful and need to occur more frequently as they serve as effective educational tools and recycling opportunities.
554	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	Are there final comments you would like to share with Metro Vancouver regarding the Solid Waste Management Plan Update?	Awl Together Leather is leading a focus group related to the BC Apparel, Gear, and Camp program and will be presenting findings through different channels.
555	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	There is a lack of awareness and training around footwear repair, highlighting the need for government-sponsored training programs and educational campaigns to promote shoe repair as a sustainable option.
556	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	The current recycling and waste reduction initiatives often overlook footwear repair, with Metro Vancouver's resources only mentioning donation and thrift store options without encouraging repair.
557	4-Sep-25	Interview Notes	Awl Together Leather	Cobbling Industry	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	Partnerships can be used as an alternative to building infrastructure, as with cities like Guelph who have partnered with Teracycle (USA) (one of the only recycling depots processing footwear in North America) as they do not have the resources to develop their own systems.
558	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Return it depots - reuse
559	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	How can MV enforce regulation policies around circular economy initiatives?
560	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	How will they do that?
561	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	The economy is already giverning the decisions being made
562	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Do not spend money needlessly where they cannot affect change
563	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Teachers already do this so don't waste money doing it more
564	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Increase number of local cobblers/tailors to increase reuse
565	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Adults need to be taught more than kids do
566	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Cost impacts?
567	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Visible on community streets
568	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Consumers determine what the producers manufacture - NOT MV
569	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Depends on what it is made of
570	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	How would you do this? What are the consequences? How would they be enforced?
571	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	KISS principle - Keep it simple
572	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Suggest social media campaign to reach more people
573	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Teach at community centres - accessible locations
574	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Could be a pamphlet instead of in person
575	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	The system is too complicated
576	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Mandatory reuse options in large buildings
577	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Have more clear numbers on recycling bins
578	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Yes and single family households as well
579	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Rules in place for donations (look at France model)
580	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Depends on what kinds of incentive. If financial then no, because busiensses done need that, people need it more.
581	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Uncertain about how much this would add to residents taxes - need morre info
582	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	What kinds of incentives and how would they roll this out?
583	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	DO NOT add additional bins to households - already too many
584	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Time/people/salaries = cost
585	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Resources? Increased cost impacts to the residents/consumers
586	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	ONLY if it is paired with education over banning items!!
587	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Recycle shoes and textiles and return depots - not extra bins at houses
588	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Curbside collection?
589	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	This is NOT the business for MV - These should be donated to thrift stores and Value Village seperatley by the consumer
590	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	If it is not going to the landfill then where is it going? How would MV encourage this?
591	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Habitat for Humanity
592	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Newer builds use cheaper materials - not appropriate for re use
593	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	This depends upon the infrastrucure put in place priot to this happening. Potential for risk/issues down the line/potential abuse of the system.
594	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Concerns on how much it would cost to implement and regulate
595	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Provide resources for used building materials. Making it easier for everyone.
596	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	This is a broader conversation with industry, contractors, developers etc. shouldn't just be on residents
597	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Make it readily available. Similar to a facebook marketplace
598	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Some material coud be toxic or bad for health
599	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Want new furniture due to hygeine and cleanliness concerns. " I like new things"
600	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Only if it makes economic sense
601	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Quality control? Mold etc
602	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	How will this be regulated? Risk

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603	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Automating it would make sense
604	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Look at Whistler and Burnaby locations for ideas
605	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Use the local community centres
606	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Who will move the bins to the collection area?Salvation Army already provides this service.
607	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	MV does need to expand their services
608	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	What about furniture?
609	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	It is easier to have it done in one community space instead of multiple buildings
610	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Each muni has this responsibility
611	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	We need an automated sorting facility
612	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Look at what is in place in Germany, France and Poland. More progressive than BC/Canada
613	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Accesible incentives - NOT 20-page forms - complicated
614	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	May become a competition neighbour vs neighbour
615	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Yes, and how would people & businesses be rewarded? Intrinsic motivation? Extrinsic?
616	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	DO NOT put the onus on people
617	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Im not sure this encourages people who are not doing it. Also, is this a sustainable idea?
618	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Add in a score card for businesses to show their rewards - Maybe a list online.
619	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	We don’t need rewards, Everyone should participate without he need for rewards
620	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Not sure who is getting rewarded
621	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Every jurisdiction is different
622	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	The guidelines are mostly clear, however better composting guidelines are needed i.e. are plastic compostable bags actually compostable? They are for sale in many MV stores and retail outlets
623	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Need to have technology required to sort and recycle or it is an exercise in futility
624	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Textile exchange
625	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Education for newcomers re: recycling
626	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	We are putting the responsibility on people insead of produccers and vendors
627	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	We need a location for people to go and sleect used items - clothing for families
628	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	We need barrier free recycling - What do we do with large items, appliances?
629	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Waste & recycling tours (bus) - Something similar to the water tours
630	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Edmonton has a great educational program at their recycling centres
631	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Bigger bins are needed to encourage recycling - remove barriers
632	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Why is MV trying to get involved in education systems and the clothing industry? They need to "stay in their lane". That is my tax dollars they are overspending with all these ideas.
633	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	I thought that MV was in charge of our water and waste management, why are thinking about education in schools and partnering with clothing designers? Stop spending needlessly.
634	6-Sep-25	PoCo Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Why all the iniatives outside their mandate? Those are my tax dollars being spent.
635	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	It seems like the solid waste management plan is set for Metro Vancouver, and the Industry Advisory Committee members’ input regarding infrastructure is not getting through. There was a recent application to BC Hydro for an extension of the electricity purchase agreement for the Waste-to-Energy Facility. This topic was not brought to the Industry Advisory Committee. We want to ensure everyone is working in good faith and bringing all considerations to the table for discussion. Additionally, a federal grant was recently awarded for the Waste-to-Energy Facility District Energy project, but the money could have gone towards something else, and other grants could have been applied for, for projects that do not involve having the Waste-to-Energy Facility continue operating long-term. The Industry Advisory Committee is investing a lot of energy and time, and there needs to be greater transparency. These decisions lock us in before we actually finalize a solid waste management plan.
636	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Metro Vancouver brings different items to the Industry Advisory Committee, and this was never raised. The Industry Advisory Committee is here to provide information and guidance from industry experts, yet decisions are made without hearing from us.
637	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	One option would have been an interim agreement while the solid waste management plan is being updated. People passionately support this work, and it is starting to feel like a waste of effort. The focus should be on forward thinking and not backwards thinking.
638	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	The intent of the Industry Advisory Committee was supposed to go beyond the solid waste management plan update, into the implementation stage. We receive many presentations on mundane and uncontroversial topics, that are backwards looking, and few conversations about controversial subjects looking to the future that members of this committee will have opinions on.
639	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	When considering incineration and landfill, it’s not an either-or conversation. Incineration is a pretreatment process, but you still need a landfill for the ash. There other pretreatments available to stabilize the material that don’t release toxins (contrary to incineration), before the material is landfilled.
640	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Just want to emphasize that an incinerator is not a replacement for landfills, as incineration still requires landfills. It is also important to know reasons for pre-treatment – for example you can pre-treat to stabilize it so it doesn’t create toxins, or pre-treat it to reduce the volume and create energy, while still creating a by-product that is a toxin. You need to weigh those effects. These are the types of conversations this group should be involved in.
641	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	After the Industry Advisory Committee reads the study, what would happen if we decided that incineration is not an appropriate option? Will Metro Vancouver be willing to change their perspective and direction on this?

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642	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Is Belkorp's new landfill included in that comparison?
643	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Is there an analysis on the carbon footprint of the various options?
644	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Is there an analysis on incinerators that have opened and closed within the last 20 years? What is the trend?
645	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Are there considerations for risks related to cost, since incinerators require waste while we are looking to reduce waste?
646	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	What is the outcome of this study?
647	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Have there been considerations for the impact of risk to taxpayers, in comparison to letting industry decide what the best and most competitive approach is?
648	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Did this study look into the risk of potential future changes in air quality standards set by the Ministry? Or if there is a malfunction that causes an impact to the region, and the associated liabilities? What if the facility cannot operate due to not meeting future standards of air quality or testing.
649	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Would it be possible to get an update on the complaints related to the Burnaby incinerator and toxic ash?
650	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Is Metro Vancouver looking into other properties in the same area to see if there are similar issues? The level of contamination seems to be high. Will the study determine where the materials are coming from?
651	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Metro Vancouver is also responsible for air quality in the region.
652	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Is there soil testing in the area?
653	9-Sep-25	Meeting Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	In recent news, some waste from a facility was being dumped on an unauthorized site in the Fraser Valley. Would like to get some information on that.
654	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Landlords can encourage proper waste disposal; they cannot compel tenants to comply due to legal limitations.
655	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Accountability should be on the part of the tenants.
656	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Metro Vancouver needs to educate renters and provide tools to facilitate better waste management practices.
657	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Encouragement and support are preferred over mandates; regulation alone may not drive compliance.
658	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There are challenges to engaging rental housing providers and building owners in multifamily buildings to increase donation collection options for reusable streams like clothing and books.
659	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Engagement varies by landlord type: Larger and institutional landlords are more receptive; smaller operators may resist change due to capacity and complexity
660	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Many buildings have multi-generational owners and they may be reticent to adopting new initiatives as it may be seen as a hassle or too much additional work.
661	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The sector is diverse, with a mix of small, family-owned companies and more sophisticated, larger entities.
662	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	While the proposed collective actions seem reasonable, engaging smaller, less sophisticated operators will be challenging due to their reluctance to adopt new initiatives. More effort will be needed to engage this group.

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663	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There is a lack of space in older rental units for additional recycling bins, and it would be difficult to compel landlords to modify their properties.
664	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Passive systems are ineffective: Unattended donation bins are often misused; structured, scheduled collection events are more successful.
665	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Incentives or compelling reasons would be needed to encourage tenants to embrace expanded recycling practices.
666	11-Sep-25	Interview Notes	Landlord BC	Non-profit	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	These actions are reasonable but to implement will require education that is clearly defined and simple.
667	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	Explore pilot projects for clothing/textile collection in multifamily buildings before implementing widespread regulations. Testing initiatives before full rollout can help identify real-world barriers and refine strategies.
668	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	Consider developing a monthly/quarterly collection program with nonprofits for clothing/textiles in multifamily buildings. Not for profits collect the materials and include incentives for participation.
669	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	Resident education is critical: Tenants, not just landlords, must be targeted with clear, culturally relevant, and visual communication tools.
670	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	Improve educational materials for residents, particularly focusing on newcomers with different cultural perspectives on waste management.
671	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	Cultural sensitivity matters: Recycling and reuse norms differ across cultures; education must bridge these gaps.
672	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Within Metro Vancouver's scope, what would make implementation easier or timelier for your sector?	Investigate potential incentives to encourage building owners to participate in expanded waste diversion programs.
673	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Are there final comments you would like to share with Metro Vancouver regarding the Solid Waste Management Plan Update?	Suggestion to include a more structured approach, proposing that landlords organize monthly or quarterly clothing drives with nonprofit organizations collecting the donations.
674	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Are there final comments you would like to share with Metro Vancouver regarding the Solid Waste Management Plan Update?	Clear communication and engagement to ensure the initiative's success is a priority.
675	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Are there final comments you would like to share with Metro Vancouver regarding the Solid Waste Management Plan Update?	Landlord BC (multi family sector) is doing continued work on sustainability, retrofits etc and the sector is interested in sustainability and willing to engage if supported appropriately.
676	11-Sep-25	Interview Notes	Landlord BC	Non-profit	Are there final comments you would like to share with Metro Vancouver regarding the Solid Waste Management Plan Update?	Metro Vancouver should lead partnerships: Coordinating with nonprofits and funding initiatives can ease implementation for landlords.
677	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	To have things able to be disassembeled for end of life in electronics - iphone
678	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Too many politics - hard to get concencus
679	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Agree in principle - question of translating into practical programming and execution
680	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Depends on costs involved in adoption or implementation - cannot be too burdensome
681	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Do not support Value village - For profit model of reuse
682	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Do not overburden small businesses - aid them instead
683	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Regular pick up of items - clothing, textiles bi-annually
684	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More context is needed on this one
685	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Needs adequate funding to support especially small businesses
686	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	For small businesses/ non profits - not coorperating
687	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Creating more space for recycling and food waste bins in restaurants

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688	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	All businesses should reduce/reuse - large businesses have resources to do this
689	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Kids motivate the parents - create take home info
690	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Go into businesses
691	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Circular economy - more about access - who has facebook to access marketplace? Ability to visit thrift stores
692	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Parents need to support this approach first
693	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Can funding be used elsewhere?
694	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Good medium content - more effective than being told what to do
695	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	People centered language - What is circular economy?
696	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Greenwashing has made me numb to all of this.
697	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Disincentivize those who produce more waste - They should pay more
698	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Unsure about how you get the industry to cooperate
699	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	They should already know!
700	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Make surplus available for makers instead of wasting
701	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Most people buy at mass retailers
702	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Tie ins - more education and understanding of the lifecycle of clothes
703	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More transparency about how "green" a company is - validated by the city - we are more likley to support
704	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Only if they make it easy to dispose of
705	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	If implemented, make this easy and convenient to pick up
706	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Also need to incentivyze condos and apartments to recycle as well
707	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Have someone train them and encourage small meet ups. Strata managers can suppoort this
708	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Community centres - forums
709	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	New health regulations - Pyrex dishes to delis instead of take out containers
710	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Signage - waste streams differ in cost to recycle "education" cost to user
711	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Provide reason why for varied recycling streams - increase to sttrat costs and fees
712	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	No need for incentives - Just do it!!
713	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Support shared spaces like fridges in community
714	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More context is needed
715	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Make this a policy or law
716	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Add disincentives for accountability
717	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Current tax implications for businesses - Look at the Nesters model
718	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	How will MV regulate this?

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719	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Need a way to repurpose broken, not reusable clothing
720	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Depends on accessibility - there are many peole who cannot get to the depots
721	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Expand to flexible plastics
722	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Once per month pick up
723	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Reduce barriers for textiles that cant be reused/donated
724	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Community bin?
725	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Does this mean more bins for homes? There are already too many.
726	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	We have the resources here, why are we upscaling prioroties when we already have what we need?
727	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Stop demolition - Europe has a high level of reuse in buildings - Look outside BC
728	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Reuse bricks but dempolition materials are not an effective form of recycling
729	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Great idea but not sure about implementation
730	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Make it a policy that homes being demolished must have certain items reused
731	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Good idea but diificult to implement - not efficient for people to adopt in a disposable economy for everything from appliances to kitchen updates
732	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	We need separate pick up for different recycling streams
733	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More pickup for flexible plastics curbside
734	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Habits will result in people taking the path of least resistance
735	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Start off with multi family to impact higher amount of users
736	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Take up more space
737	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More clear directions on where things can be dropped off
738	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More repair cafes by SPEC
739	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Will create a homelessness issue -People will take donations - Create dedicated locations
740	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More centres with better access
741	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More focus on individuals than on large buildings
742	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Difficult to donate if not vehicle
743	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Whatever is easiest
744	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Community collection points - Neighbourhood houses
745	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Showing benefits it brings (cleaner parks). Showing negative impacts. Show the before and after
746	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Good enough as it is
747	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Beyond newcomers. Bridge the cultural divide (All the residents who are NOT new to Vancouver)
748	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Different munis NOT just different countries
749	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Newcomers are confused about how to recycle properly

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750	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More free food drop offs/community fridges
751	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More transparency on how other people or buildingd are doing - incraese competitition
752	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Make composting easier
753	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	People are prideful
754	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	We need more context for this one
755	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Yes, but only if it doesn't take funds from other programs
756	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Provide educational materials on how to recycle well for those that don't
757	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Add disencentives for those that do not make the effort
758	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Annual report of highest recyclers etc - For businesses
759	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More acknowledgement to inspire people who are not doing it
760	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Certificates of recognition (stratas and busineses) Recycling metrics - Post this publicly
761	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Not a good ROI, perhaps put money into marketing with influencers and social figures. Too tricky to manage a recognition system and leads to perception of waste and inequity
762	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Especially through municipalitites - consistency across all MV. Same = easier t remember especially fr people who live & work in different munis.
763	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Include costing information for various recycling streams
764	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More items for depot only - blue box at curbside
765	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Support unhoused members to collect and dispose of products
766	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Working with consumers to be more clear about where to find zero waste merchants
767	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Cities should supply this space - rent free
768	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Hard to find recycling in high traffic areas like granville - this project should be mapped out to include high traffic areas
769	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Transparency of recycling? What does that look like for real?
770	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Need more stickers on carts that are easy to understand - To educate
771	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More options are needed to pick up things like mattresses
772	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Annual pick up of items such as paint cans etc
773	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Waste to energy - don't support incineration but approve trucks and hauling??
774	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Find more ways for recycling to be easier - not just educated
775	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	More of this education should happen in schools
776	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Lower taxes for thrift stores
777	14-Sep-25	Main Street Care Free Day - Engagement Boards	N/A	Members of the Public	Questions and Comments	Car seat recycling? It is mandated to use them - how are they recycled?
778	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	For businesses, it's all about their dollars. If it's going to cost them money, then they might not be incentivized to go. How can you get businesses involved? Tax breaks?

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779	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	2-3 minute presentation would be helpful. Keep it short and sweet.
780	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Binner 5: A challenge for someone could be, if they are reliant upon single use, then you could add some environment incentive/education to get people invested.
781	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Create posters, make an event at the local community centre. Get the word out. If we invite 5,000 people, 10% will show up!
782	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The education would need to be a community event, it wouldn't be a good turn out if you went by residence. More targeted advertisement is needed to make it successful.
783	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Priority	High priority - 6 votes
784	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Provide residents with containers to transport waste from their home to the big bins in the building.
785	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Priority	High priority - 6 votes
786	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Programs might not have the people to initiate and connect with for these programs.
787	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Non-profit organizations should be the focus and priority. There are a lot of organizations doing great work.
788	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	City needs to provide more receptacles for waste.
789	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If they had incentivized motives, to come and sit through a recycle/reuse program, then people would be more interested to come.
790	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would all be in the building.
791	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Refund incentives. I heard from friends on refunds.
792	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Relatively easy! Explore partnerships that incentivize people e.g lime scooter free minutes. Social media education is another good way of reaching people.
793	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Priority	High priority - 6 votes
794	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Additional feedback	In person education is the way to go. Learn together! You make friends, and can have a good conversation. You can relate on your issues, and feel supported.
795	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Additional feedback	I feel more informed since joining Binners' Project on issues like this. Before joining, I had no idea about this solid waste plan, and wasn't really sure on how to get involved.
796	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Additional feedback	Metro Vancouver seems to have access to lots of resources. In my building, they had a program where they were giving away containers, but I did not receive any. This was an early exposure for me to learn about waste management, before I joined Binners' Project. I've learned so much more about waste, since joining. I'm trying to be a speaker for Binners' Project to help educate people in the community. I enjoy trying to motivate people!

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797	17-Sep-25	Consultation #1 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Additional feedback	In-person education is appreciated. In my building, we are learning to recycle, and they asked me to help. I thought it was helpful; you and others get to know how things work, and it was a good opportunity for me to teach.
798	17-Sep-25	Cosultation Evaluation - Additional comments	MakeWay Charitable Society - Binners' Project	Public members-at-large	Additional feedback	How each individuals actions have huge impact on our world – forever. Was great to participate
799	17-Sep-25	Cosultation Evaluation - Additional comments	MakeWay Charitable Society - Binners' Project	Public members-at-large	Additional feedback	More efforts made to increase public awareness with the importance of individual actions to promote a healthier world for all life.
800	18-Sep-25	Meeting Summary	Agricultural Advisory Committee	Advisory Committee		The group were interested in best before dates, the definition of 'waste' (as per the CSA FLW standard item). They were quite clear that there is generally a greater awareness of what urban dwellers need vs what rural dwellers need. And that members of the ACC have a better understanding of how MV's urban systems work. But that there is much less/little understanding from Metro, and from city-based policy-makers, on how farms/rural businesses function, their opportunities/constraints/struggles.
801	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Strategy 1.2 mentions supporting "the transition to a more circular regional economy" but limited detail on how jurisdictions will work together or standardize approaches across the region
802	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	"Foster an inclusive and collaborative circular economy" (1.3) - How exactly?
803	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	"Enhance approaches to Metro Vancouver's disposal ban" (2.4) - What enhancements?
804	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Strategy 3.6 "scale efforts to recover food" and 2.3 "prioritize food waste reduction initiatives" seem to overlap
805	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	"Encourage and celebrate" (3.7) - Nice, but what are the tangible mechanisms?
806	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Who pays for infrastructure development (4.3)?
807	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	How are education programs funded (4.6)?
808	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Strategy 4.8 mentions preventing illegal dumping, but what about enforcement for non-compliance with recycling requirements?
809	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Comprehensive Circular Economy Framework The plan follows a strong hierarchy (Rethink → Reduce → Reuse → Recycle → Recover) that aligns with best practices and prioritizes waste prevention over end-of-pipe solutions. This is exactly the right approach.
810	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Strong Upstream Focus Strategies 1.0-3.0 emphasize prevention, reduction, and reuse—the most impactful interventions. This shows strategic thinking beyond just managing waste streams.
811	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Multi-Stakeholder Approach The plan recognizes the need to engage businesses, residents, institutions, and event organizers across multiple strategies, which is essential for systemic change.
812	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Infrastructure + Behaviour Change Good balance between physical infrastructure (recycling facilities, green bins) and education/behaviour change initiatives.
813	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Where are the compliance measures, penalties, or regulatory teeth?
814	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	How will you ensure businesses/residents participate?
815	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Many strategies are high-level aspirations without clear, measurable actions
816	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	How will success be measured for each strategy?
817	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	What does "enhance" or "improve" mean in quantifiable terms?

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818	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	No mention of budget, funding sources, or resource allocation
819	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Commercial waste is a huge portion of the waste stream
820	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Limited specific strategies for the commercial/institutional sector
821	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	Is the focus on preventing food waste (higher priority) or recovering surplus food? Both are important, but require different approaches
822	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	No mention of AI/digital tools for sorting/education
823	18-Sep-25	Working Group Meeting Feedback	Coast Waste Management Association	Public members-at-large	In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?	No mention of chemical recycling or advanced materials recovery
824	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Outline	Member commented that several plan sections in the outline are not yet completed, making it difficult to provide full feedback.
825	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Outline	Member made a suggestion to revise the waste hierarchy; not every level requires a goal. For example, Goal 5 (related to recovery) could be removed.
826	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Outline	Comment that the definition of zero waste is missing.
827	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Outline	Question whether the plan will specify actual destinations for residuals.
828	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Outline	Suggestion the plan should include specific regulatory measures to allow the Province to consider them early rather than delaying.
829	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Outline	Reduce toxicity of materials should be included throughout.
830	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Outline	Landfill capacity: Suggestion to address this transparently in the plan.
831	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Outline	Guiding principles: Concern that connection between regulatory and guiding principles was unclear.
832	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Outline	Flexibility: Suggestion that the plan is not too narrow but should include options under consideration (e.g., landfill capacity, annual waste generation, etc.), rather than prescribing a single path.
833	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Strategies and Rubric	Criteria: Question whether criteria includes the total waste reduction ability.
834	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan Strategies and Rubric	Process: Questions about how all strategies and actions will be reviewed during the October 3 workshop.
835	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member asked whether the study identifies best practices for disposal.
836	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member asked about current/future environmental footprint of disposal options.
837	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member asked if the study compared landfill vs. waste-to-energy in a lifecycle analysis.
838	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member expressed concern that without conclusions, the study may not guide the updated plan.
839	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Question on how criteria will be weighted; concern it feels meaningless otherwise.
840	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member mentioned that there is a perception that the study was biased toward Waste-to-Energy (WTE); suggestion to analyze existing facility (especially with renewed Electricity Purchasing Agreement and potential taxpayer costs).
841	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Feedback was provided that the plan should state not to continue with WTE, rather than just criteria for assessing potential disposal options.
842	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member posed a question whether more effort should go into source separation.
843	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member noted that WTE creates the perception of “unlimited capacity,” potentially leading to more plastic production. Landfill seen as more limited.
844	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member asked whether the plan defines “garbage.” Concern that calling it “garbage” discourages recovery opportunities.
845	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member posed concern about transporting waste to faraway landfills; need for a consistent evaluation framework.

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846	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Waste Management Options Review	Member noted a lack of review of mixed waste processing in the study, aside from Toronto example. Key benefit would be removal of organics that drive landfill GHGs.
847	18-Sep-25	Meeting Notes	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Zero Waste Committee and Other Updates	A discussion took place regarding the cost between the different disposal options – asking what was presented to the Zero Waste Committee
848	19-Sep-25	Notes from a phone conversation	N/A	Public members-at-large		Reviewed ID161 and indicated support
849	19-Sep-25	Notes from a phone conversation	N/A	Public members-at-large		Asked about restaurants, what Metro Vancouver can do for them, and how they fit into the context of the plan
850	19-Sep-25	Notes from a phone conversation	N/A	Public members-at-large		Asked about mandatory separation for the commercial/institutional sector
851	19-Sep-25	Notes from a phone conversation	N/A	Public members-at-large		Described the approach to water conversation and suggested waste could be done in a similar way in collaboration with member jurisdictions
852	19-Sep-25	Notes from a phone conversation - Additional feedback	N/A	Public members-at-large		I do believe the healthcare sector could definitely improve their waste reduction strategies, but I think this is something that other institutions such as PHSA, VCH, FH, etc could spearhead?
853	19-Sep-25	Notes from a phone conversation - Additional feedback	N/A	Public members-at-large		I am in favour of this idea, but also want to reiterate that I would want to put priority on ICI as they have the lowest compliance rates. Still a good idea to help CDI regardless!
854	19-Sep-25	Notes from a phone conversation - Additional feedback	N/A	Public members-at-large		You brought up ID161 for implementing business license requirements and regulatory approaches. I'm highly for this action, and this would go complementary with the other strategies that could support businesses and commercial clients: ID100, ID102, ID002, ID101, ID024, and ID028.
855	19-Sep-25	Notes from a phone conversation - Additional feedback	N/A	Public members-at-large		I do remember zoning and development bylaws being mentioned in the last Metro Vancouver Solid Waste meeting we had and how municipal leaders weren't keen on exploring further ideas, so I'm not sure if this would be a priority for the region right now.
856	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	How much of a priority is this to you?	Overall: high priority
857	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Available online access (e.g., online Zoom groups weekly). Could be hybrid
858	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Low-cost, low-barrier, accessible. Held in central locations. Local call-outs
859	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Transit accessible
860	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Include elders; look to them as knowledge keepers
861	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Community-based, Local
862	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	More diverse and newcomer-friendly
863	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Regular hours, Perhaps monthly meetings
864	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Collaboration
865	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	More capacity and partnerships
866	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	“Make it cool” (cool communities model)
867	20-Sep-25	Focus Group Notes	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Bring in interesting people — for example, youth
868	21-Sep-25	Email submission Re: waste reduction	N/A	Public members-at-large		Very much interested in this project of metro Vancouver as humans are going thru climate change . City is doing much on it, however each individual must participate and reduce the waste to save mother earth. My feedback would be as below.
869	21-Sep-25	Email submission Re: waste reduction	N/A	Public members-at-large		To abandon totally those plastic bags at various giant and small stores wherein customers put in their vegs , fruits , enormous amount of those bags are being taken by each customer and most of them must be ending in landfill .
870	21-Sep-25	Email submission Re: waste reduction	N/A	Public members-at-large		Abandon plastic glasses given with drinks, like sago, juices, shakes and various other drinks at malls and small store at each and every corner of streets . They are then lying many times on buses, streets , sky trains and of course ending in landfills eventually
871	21-Sep-25	Email submission Re: waste reduction	N/A	Public members-at-large		The grains , lentils coming from developing nations do not bear the LDPE marks and are told not to put in plastic recycling so they go in garbage .
872	21-Sep-25	Email submission Re: waste reduction	N/A	Public members-at-large		Organic food waste from each condo , house owners to be put in proper organic waste to recue the methane gas being produced with it , if not put in organic waste .
873	21-Sep-25	Email submission Re: waste reduction	N/A	Public members-at-large		Small and big packaging plastic is huge coming from online and stores shopping to be reduced .
874	21-Sep-25	Email submission Re: waste reduction	N/A	Public members-at-large		Reduce the recyclable bags given at events, seminars .
875	21-Sep-25	Email submission Re: waste reduction	N/A	Public members-at-large		More charges to be levied on plastic food containers given at restaurants takeaways and deliveries .

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876	21-Sep-25	Email submission Re: waste reduction	N/A	Public members-at-large		My humble suggestion to the city of Vancouver's waste management team to do utmost in instructing , guiding the locals to be more careful in waste management and save the Planet earth .
877	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		Strong support for MV walking the talk
878	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		Support but some not sure if that is really MV role better to focus on their regional integration
879	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		Support the ideas of working for business. Doesn't have to be a guide - Guide/practical implementation – 10 small action you can do now.
880	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		What is the difference?
881	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		Connect the industry education to the k-12 education
882	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		Gleaning – what does that mean? Discussion about how gleaning isn't just on a farm, could be Vancouver fruit project. Discussion about vertical farms and making sure they follow best environmental practices and have a climate action lens.
883	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		Avoid events sounds like a fancy party with wine and cheese
884	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		Same concerns about if there are events and MV staff are going to them it could be looked like an overspend situation
885	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		Inspiration vs. education – competition in education to help youth solve the issues - we need to tie it into religious studies and social studies. - Case competition for MBA students – need to attatch the hard core business - UBC Sauder Enspire with sustainability and business case with social marketing - Essay competition is a good way to motivate youth to get their ideas on implementation – tie them to a business on ways to be more circular - Model united nations – clubs at different schools
886	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		Business certification have lots of potential for greenwashing
887	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Metro Vancouver should start/support buy-nothing groups where they don't exist (neighbourhoods/communities), and provide information about how they work, training for moderation
888	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There is a gap in waste reduction programs in post-secondary.
889	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This is a huge shift from K-12 education, where there was a community and leadership from teachers
890	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Lack of community-feeling at post-secondary, people traveling from all over region to learn briefly, then head home again, lack of connection between teaching faculty
891	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Relies on student-led programs
892	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Move in/move-out programs on campus were successful
893	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	UBC thrift store in the Nest is great
894	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Where do post-sec students spend their time and can
895	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Consider update to "Explore a pilot?" instead of "feasibility of a grant"
896	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Concern is that there is need to learn from this to build out a program that is effective and cost-effective. Rebate/incentive?
897	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Not sure that grant is the right track for MV (at first there was misunderstanding about what this was, and the scope of it – is it for a business or is it for community-based initiatives)

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898	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Provide support to share learning from pilot/grant with the network/future grantees. What worked on a small-scale. What didn't work. What might they build together
899	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Incentivize small business to want to do innovation in this space
900	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	It's hard to see that this is supporting change/innovation to support waste reduction
901	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Information sharing/best practice sharing
902	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Mixed support for this
903	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Language is too broad (this comment is relevant to more than this one – some of them could be grouped OR clarified/made more specific to connect to a desired outcome)
904	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	This one lets MV get off the hook (putting the responsibility into the network/community-based or independent orgs). What is MV's true role/responsibility?
905	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	What is the actual action intended?
906	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	MV needs to name HOW they will support the development of the network, such as:
907	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Provide the platform for advertisement
908	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Do the administrative/coordinate support
909	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Provide the platform for connecting the network
910	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Makeway shared platform is a great example of removing barriers/providing admin support
911	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Leadership is important so it doesn't have too many cooks in the kitchen / competing for resources
912	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Raise the profile of these partners/promote to the public (platform them, platform their events). Maps for the public. Provide resources ($$)
913	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Can we learn from liquor store model? (stores can't be within a distance of another to remove competitiveness)
914	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators		These are very similar but 60 is more specific. There was support for this but it feels redundant
915	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Source a strong location – ease of access, amount of time, mitigate transportation requirements (size of item)
916	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Advertise in multiple languages, multiple means
917	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Who is doing the repairing, and who is their audience?
918	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	There are opportunities for youth to build skills of various kinds through these events by leading/facilitating the events
919	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Reduce barriers to participation
920	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Host these in community spaces/gathering spaces (make it easy for residents to join)
921	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Consider update to the words "size, number, and frequency" (increase capacity?)
922	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Schools do a lot of this, easy to participate in
923	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Difficulties in participating: hesitancy due to perception of rodent and bear issues
924	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	1 green, yellow
925	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Keep messaging simple and straightforward
926	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Art is not necessarily the preferred medium for all and may confuse the message

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927	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Styles and mediums change over time; could risk the messaging becoming outdated quickly
928	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Likely more costly than simpler options
929	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	2 greens, 1 yellow, 1 red
930	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Clear images to indicate what goes in which bin
931	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Challenges in showing specific items (e.g. coffee up) as the type and materials can vary from place to place
932	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Suggestion that non-refundable drink containers and wax paper are confusing items that could be targeted
933	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	A procurement guide for events could help reduce confusion through simplicity
934	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Mattresses can be confusing, more guidance would be helpful
935	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	All participants supported this action's inclusion in the plan
936	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Games are always evolving and can be hard to keep up with technology wise
937	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Might be better to choose simpler education options (or atleast simpler games)
938	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Very effective for captive audiences (e.g. at movie theatres)
939	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Consider collaborations/competitions (e.g. could win Scene Points at movie theatre)
940	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	5 green
941	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	It can be difficult to keep up with trends and technology when developing videos, especially for a large organization like Metro Vancouver
942	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Not everything needs a video; concerns with oversaturation in this medium
943	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Infographics and simple pictures may be a simpler and more cost effective route
944	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	1 green, 1 yellow, 1 red
945	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Be careful with inclusion of AI in actions; public opinion on AI varies widely
946	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Considerations for implementation	Environmental impact of AI should be considered
947	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	1 green, 2 yellow, 1 red
948	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Questions and Comments	How does the relationship work with orgs like recycle bc?
949	22-Sep-25	Small group conversation notes	Youth & Education Advisory Panel (YEAP)	Youth and Educators	Questions and Comments	How does enforcement work in solid waste - licensing and fines? MV's role
950	24-Sep-25	Email submission Re: Additional comments on an updated solid waste management plan	N/A	Public members-at-large	N/A	Dunnage or discarded skids - many years ago I used to work on the waterfront on the North Shore when BC Rail was still transporting lumber and other products through the North Shore waterfront terminals. As a result there was a lot of dunnage or skids acculuting on the property. This was offered for free to whoever wanted the materials, which was a lot of wood or lumber. I personally benefited from these materials. It was free wood or lumber from which we constructed a garden shed, and a toolshed. We even built part of a back deck using this wood. Considering the fact that there is a lot of pressure on our forests to cut every live tree covering the landscape of our province, reusing this wood seems to be a logical solution to accumulating dunnage.

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951	24-Sep-25	Email submission Re: Additional comments on an updated solid waste management plan	N/A	Public members-at-large	N/A	At the corner of Rupert Street and First Avenue, the boundary of the City of Vancouver, is an empty lot which is used by the City to store various materials. Lately I have seen very large amounts of freshly cut trees. That is large remnants of very mature old trees minus the merchantable logs. I don't know what happened to all that beautiful wood, but why was it not offered to the arts community? Wood workers, artisans working with wood could have found some beautiful grain patterns and colours, unique species of wood to create products that have a lucrative market during art festivals and markets around the Region. Why not advertise the availability of these materials in community centres, the arts community and Emily Carr University? I don't know where those trees came from, but they were not saplings. From a distance it looked as though some of those trees were hard wood species that would be desirable for creating art pieces.
952	24-Sep-25	Email submission Re: Additional comments on an updated solid waste management plan	N/A	Public members-at-large	N/A	In my original submission, I did not address building materials. I don't know if these materials are included in this consultation. I live in Coquitlam in an older neighbourhood where every bungalow has been torn down, demolished. I don't know where those materials ended up. Were any of the materials sorted for reuse? Are building materials not part of the circular economy? Or the zero waste strategy?
953	24-Sep-25	Email submission Re: Additional comments on an updated solid waste management plan	N/A	Public members-at-large	N/A	It is not unusual for a new home buyer to discover that the builder has buried the waste generated from the construction of the home in the ground surrounding the home: insulation pieces, underlay from carpeting, tile pieces, pieces of piping, metal and pvc, etc. It is not deeply buried. It was just covered with a few inches of soil, not good soil. The new homeowner now has to get rid of this junk to complete the landscaping. It's one of my pet peeves about contractors.
954	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	What is the goal of these organizations? Stop textiles from going into the landfill? Why? Money/space.
955	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Businesses are not going to do it unless there is a monetary benefit.
956	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Have to make connection to the bottom line of the company.
957	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If Metro Van is going to continue this work/develop this tool - having more people coming into the industry (new talent) with this already in mind - educate those who have already been in the industry.
958	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Has been in front of CEOs and Presidents - tried to show they need a more sustainable way of business. Response: what is the easiest thing to do and how much money will I save? That is the only way they do it.
959	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Who is from a textile waste reduction organization: 4 out of room (unclear on definition).
960	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Non-profits don’t have the capacity - more grassroots and at educational level - not organizational level.
961	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This should fall onto designers - not the textile waste reduction organizations, designer should have the responsibility to make them low waste, not another organization.
962	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Direction is top down - owner is doing it because it’s the right thing to do.
963	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Top down as in owner to down and allow facilitating this.
964	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	From Aerospace design: “What does that look like? Someone comes down and walks through, email? Brochure? The companies exist, but that tech is not accessible to everyone (cost, labour).”

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965	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Education: How many textile waste reduction organizations are there? We don't know and… Is it their job?
966	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Beyond scope of not for profits.
967	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If they (nonprofits/textile waste reduction companies) ARE willing to develop the tools - please send them out - works in education happy to share with students.
968	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	From Fashion Revolution: "What even is a textile waste reduction organization: what does that mean? Who is that?"
969	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There are firms and designers that take waste and do something it.
970	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Cobbling shop? Are they?
971	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Whose job is it?: Job of the people who are teaching the designer. Social media influencers. Mandatory law for stats - end of life - MANDATING.
972	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Metro Van is talking about continuing to work with these companies - who has had direct communication with them?: Collaborated with KPU, they are engaging with education and using this - it is happening - this connection with BCAG is an example.
973	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Our Social Fabric (OSF), Fabcycle, Debrand.
974	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	OSF, Fabcycle get brought in afterwards rather than before.
975	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	How much will companies LOSE - so providing charging.
976	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In 5 years time: law, reward or a fine.
977	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	Priority	Low - 10, Medium - 2, High- NONE. ONLY BECAUSE OF THE QUESTION FRAMING. Question doesn't have teeth
978	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Question makes them feel there is an assumption that these things are not easily accessible - wants to know what the feelings are as to why they think they aren't accessible.
979	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Aerospace textiles: "No facilities near by everything gets landfilled - cost to dispose - as a company - individual better - HUGE problem for industry."
980	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Simply Merino: "Biggest impact would be recycling from production level."

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981	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Clothes are NOT easily recyclable if not re-sellable/reusable.
982	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Collecting waste from production is low hanging fruit.
983	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Diverting from landfill at production is huge.
984	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	7 agree out of 16 agree for individual it is accessible.
985	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Zero believe from a business standpoint.
986	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	What would make it easier for businesses: - Big bins out back for pick up. - Sorting is fine - not an issue. - Or having a place to drop it off that is close. - Making it FREE. - No cost or same as landfill to persuade the owners.
987	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Show of hands: High: 13
988	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	What should Metro Vancouver consider to support your participation with this action?	Cost is the biggest concern.
989	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	What should Metro Vancouver consider to support your participation with this action?	Money needs to come in to invest in infrastructure that allows recycling for polyester and nylon.
990	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	What should Metro Vancouver consider to support your participation with this action?	Question from facilitators: Who agrees that we need to invest in accessible recycling of our own materials LOCALLY: show of hands — Everyone!
991	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	What should Metro Vancouver consider to support your participation with this action?	Having to ship is fine - transparency that it is actually being recycled - want to know it's actually being recycled.
992	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	What should Metro Vancouver consider to support your participation with this action?	Want faith it's not just getting shipped somewhere else to go to a landfill.
993	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	What should Metro Vancouver consider to support your participation with this action?	Textile means so much - so transparency is key.
994	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	What should Metro Vancouver consider to support your participation with this action?	BETTER to throw away locally instead of shipping off because at least methane gets collected - worse to recycle something if we don't know where it's going/shipped out of country.
995	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	Other Strategies/Actions engaged on?	Have they considered subsidisation programs to help with technology that helps with efficiency that eliminates waste.
996	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	Other Strategies/Actions engaged on?	Increasing efficiency = decreasing waste.
997	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	Other Strategies/Actions engaged on?	Merino Wool: "Different municipalities mandates cardboard/bins - where is that mandate/legislation pushing through this for textiles - specifically productions - ADD TEXTILES and easy to collect."
998	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	Other Strategies/Actions engaged on?	Make textile recycling mandatory.
999	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	Other Strategies/Actions engaged on?	Incentives - mandatory lands be standard.
1000	27-Sep-25	Focus Group Notes	BC Apparel and Gear Association	Apparel and gear professionals and Public	Other Strategies/Actions engaged on?	Competition for scraps.
1001	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	As long as there is a bugetary plan to support enforcing the regulations
1002	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	How will MV do this?
1003	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	How practical is this re: logistics? Will you create a marketplace for businesses?
1004	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	More pressure is needed on larger businesses
1005	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Focus on the big businesses, small businsss are already doing a great job and some are struggling financially
1006	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Don't want to encourage more things like charging for plastic bags
1007	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	These initiatives make small businsses more expensive to shop at
1008	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	More focus on younger education for kids

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1009	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	More information on clothes and development
1010	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	We need to reduce the clothing we buy
1011	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	This needs a SUPER category
1012	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	How will MV do this?
1013	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Would stop single use plastic in stores - it doesn't cost anything so people use lots of bags for produce
1014	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	How??
1015	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Enough education already exists. It is the desire or ability to apply, that fails.
1016	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	DIY ideas - How to reuse
1017	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	People go to strata lots to dump waste and recycling
1018	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	They should already have incentives to reuse
1019	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	We need to know where else to put these items, proper guidance
1020	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	New West has bans on items but you have to drive to Coquitlam to recycle. MV needs to reduce barriers.
1021	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Only if there is a place to put these things
1022	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Ban is not a nice word to hear - you have to do more work
1023	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Depends on how it is funded
1024	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Reduce the need for classification of items for people to recycle
1025	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	It depends on the material
1026	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Look at Edmonton - Architecture clearance
1027	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Central marketplace or large inventory clearance
1028	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Easy access is needed to recycled materials
1029	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Offer incentive - use recycled materials when people submit house permits
1030	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Main problems are big industry - focus more on them
1031	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Where do the materials come from, are they safe?
1032	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Other countries have main drop off areas that are automated and result in a refund to the public
1033	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	We need to enforce reusable coffee mugs and collection all over the city
1034	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	People need to rethink what they buy, what you need and when you need it.
1035	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Recycle centers shold allow residents to take away things they can reuse for free.
1036	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Open more community reuse shops that have free items that would usually be garbage.
1037	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Some of this should be free! More incentives
1038	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	More free waste days - shared junk truck can be shared with neighbours - junk days
1039	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Soft plastic recycling at home instead of depot. More curbside pickup.
1040	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Less weight on the populus = more buy in
1041	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Reduce the confusion in all the communication - too much
1042	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Expand tree libraries - community exchange
1043	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Don't think there is a direct impact to us, do we care?
1044	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Conflicting info online, local info in multiple languages would be helpful
1045	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	For everyone too!!
1046	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	How could this be for indivoduals? Only for businesses I think
1047	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Shouldnt need monetary incentive
1048	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	How? What does this even mean?
1049	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	We need this because people don't know where recycling goes
1050	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	A helpful motivator would be to tell the story of exactly where recyling goes and what they are made into (products). People don't believe things are actually recycled. Lack of transparency
1051	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Teach this to the next generation. Need clear education
1052	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Instructions need to be more clear - video tour of the journey of recycling. Transparency is needed
1053	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Single stream recycling is needed. MV has made this all too confusing.
1054	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Expand soft plastic pick up like london drugs - travel is a barrier
1055	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Encourage community spirit - not individual approach. Work together
1056	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Communication is key so people know what to ring and where it goes
1057	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Maybe also require a payment or cost
1058	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Also more pop up events for certain recyclables that can only go to depots
1059	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Impactful to sere where garbage goes
1060	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Consider public education on disposal of sharps
1061	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Would be good in schools as well
1062	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Woulld also be good for more transparency
1063	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Reduce barriers to recycling by creating more streamlined recycling classification
1064	27-Sep-25	RiverFest - Engagement Boards	N/A	Members of the Public	Questions and Comments	Recycling is too confusing
1065	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High Priority.

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1066	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I think it's a very high priority because as we go into the 21st century the waste is more and more. I think and like what they did now with plastics is a very good idea and I think all other strategies would be good too. Like educating residents and youth. I also think educating schools is good but I think if people can manage online programs sometimes it's a good idea to learn online as people can go at their own pace and adapt to their own abilities, learning style and schedule.
1067	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Yes, high priority because for example, I am moving out and I am trying to get rid of my stuff, right? If I have no education or understanding of what happens when it goes into the waste or the garbage like if I don't know then it's kind of like ignorance, right? Like I just will throw it away. It's not like a high priority for me. But if I understand the impact on the environment and it's like clogging up the system, then I'm more inclined to like, you know, use buy nothing groups or make an effort, you know.
1068	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Yes, and these programs have the potential to make residents aware of solutions too because that's what could happen to school programs , it is a space where solutions get promoted, you know tips and tricks get shared and people get to learn more experiences.
1069	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High priority. Efficient waste and recycling systems are necessary for society to function. Education around reduction of waste and circular economy principles are necessary to combat climate change.
1070	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It will be difficult. I just think the first barrier that I'd think of would be cost if that's a barrier for people or time
1071	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It can be easy, I guess if it was for a student that wouldn't be so much of an issue probably because it would be hopefully included with their schooling, but if it were like a program for adults or community members to sign up for, I think the cost and scheduling the time would be a barrier and it will make it difficult. It is more likely for programs to offer hybrid components meaning in-person programs and online programs so I have options and I can accommodate and prepare for stressors like finances and scheduling my time with my commitments. This will also allow for community members from different ability levels to participate in these programs.
1072	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	I don't know, It seems like you have to be a student for these programs?
1073	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would participants to these programs receive an honorarium for their effort on completing these programs?
1074	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would an online component make it easier for people to attend?
1075	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Like for example, batteries or like you know soil like for example I try to plant something and I'm not allowed to throw it in the garbage here because they don't allow us and I don't know where to throw. How are residents supposed to know the best approach to dealing with waste?
1076	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	I agreed. I don't know what to do with other things like, for example, old things like electronics that you used before and now I don't know. You can't throw it in the garbage. Where am I supposed to take these things to ?
1077	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	What about people with physical disabilities? How are they supposed to participate or know of these programs? Are there accessible options for proper disposal of waste for people with limited physical abilities and financial means?
1078	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How are newcomers and tourists supposed to know how to properly dispose of waste?
1079	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver should consider including the opportunity for community members to volunteer for these programs. I think just volunteering here would be enough for me. I think that's the best I could do right now.
1080	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Maybe Metro Vancouver should consider some kind of incentive for participants. I don't know how like you could but yes a way to incentify participants to complete the programs.
1081	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Agreed. Honorariums for participants can make it more accessible for people from diverse backgrounds to attend to these programs. Especially to cover childcare, assist people with diverse abilities and more.
1082	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I think that's also good to hear that Metro Vancouver is looking into potentially implementing this in schools because people can learn and get experience and education can be standardized and normalized at an early stage
1083	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	What makes the most sense is to educate people at an early age rather than having to do catch up work, right, when they're adults.
1084	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High priority because businesses are the center of the economy where most of the waste is generated.
1085	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I would like to add, it's a high priority because if you don't have businesses and organizations and the broader community implementing the actions or trying them, you're not going to have progress especially with businesses right where a lot of the waste is generated like yeah it's pretty necessary.
1086	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think awareness is key and this can be easy to implement. So like maybe people could go out into the businesses and educate them or we can share with communities to look out for these stamps because if you don't know it just like we see a lot of like marketing nowadays with like green and like vegan or whatever, but like if you don't have the awareness of like what that means, then it's it doesn't really mean anything. Maybe educators can go into the businesses and just give a little lunch and learn or something like that to educate people.
1087	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It is easy to implement. I also think that it will be good to know that businesses are doing this. So it's good to encourage businesses to get certified and some sort of certification process because it tells us where we should be purchasing things and where we should be going for solutions to our problems.

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1088	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think it's going to be really difficult because you're not only implementing a new concept like you have to change culture in the community. I have learned that to change culture, you have to start really young in the community and do long-term growth. So you have to like to change it with the young people and implement it in their everyday lives so they like to habitualize it. It's like a long-term plan. It doesn't happen overnight. And so maybe this could be implemented in schools for young people. and then that makes the participation easier, maybe over time.
1089	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It can be easy if we incentivize people and incentivize businesses to do it properly.
1090	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would there be incentives for businesses and people ?
1091	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Are businesses going to be encouraged in the process?
1092	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Is Metro Vancouver considering people with disabilities, newcomers and low-income individuals in this transition?
1093	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver should consider making these actions and processes mandatory for businesses and organizations.
1094	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Employers should incentify employees through lunch and learning events.
1095	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	We would need more education for residents, businesses and organizations. For them to understand the importance of this action and the role they each play.
1096	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	For me, this is a high priority. Like we need more solutions advertised and explained to us. We need to be able to see the solutions that we have already existing and we need new solutions to be created for the problems we are facing for example like electronics and other.
1097	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High Priority, we need to identify the solutions that are working, and stop the ones that are not. It is also good to implement new practices that help us achieve a circular economy.
1098	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think it's difficult because it's not really marketed well. Maybe it could be marketed better on social media, through influencers. What would make the participation easier would be more marketing, more visibility, more publicity.
1099	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think I agree , it is hard to participate when there is not enough marketing, and publicity done. I would recommend things to be marketed with different demographics and keeping the content relevant and inclusive.
1100	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I just had another thought, instead of trying to educate and stuff maybe penalize like if I put batteries and wrong items in my garbage and I put it on the street maybe there's some sort of like penalty like that I get in trouble for this stuff because right now I just put it all in my garbage and I just cross my fingers and hope that they don't notice kind of thing. For me to collaborate with external groups, things need to be accessible and easy to use. It will make it easier just for example to put an electronics in the recycle bin and it gets diverted from my home step. That way everyone, even people with physical disabilities can participate.
1101	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Clear strategies to ensure businesses and organizations are compliant with waste management plans.
1102	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Potentially having initiatives that break the stigma about wearing recycled clothes or reusing recycled items. So, people are more aware of how safe it can be and how to make it safe.
1103	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	External groups will have more insight for Metro Vancouver as they are members of the community and can identify specific needs or concerns.
1104	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Should Individuals and business/organizations be penalized for not adhering to the plan? Or should we consider extended producer responsibility in every product ?
1105	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would the provincial and federal government provide support and incentives ?
1106	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	More advertisements in daily life tips and tricks and like more community awareness to implement these new practices.
1107	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	For me, this is high because it provides food security. It provides spaces for green areas for people to focus on their well-being and nature and disconnect. It allows people to perform an activity that teaches them how their food is grown.
1108	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Just like the food and agriculture aspects, waste is a huge factor for implementing this initiative. I guess with the indigenous aspect of it too, it's great to lead by example and setting up ways where people can contribute to reconciliation by transferring knowledge.
1109	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I feel like those gardens and projects are not advertised properly, but I also feel like they're only for a select few if that makes sense. Like I don't know how to get involved. It kind of feels like there is a community already built and the barrier to get into making a garden is really difficult. So, if it was more welcoming in some way or more accessible like if I walked by the garden there was some information on how to get involved like on the gates or something or online advertising it.

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1110	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yes, I agreed. Maybe some kind of I don't know as I don't think this exists, but maybe some kind of hub like online that Metro Vancouver could create for those kinds of community spaces, right? And then you could just search or look for whatever you're whatever you're looking for, whether it be community gardens or a tool library or any other initiatives.
1111	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	HOW DO YOU GET INVOLVED IN COMMUNITY GARDENS ETC.?
1112	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver should consider more publicity and advertisement of these programs and initiatives.
1113	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Having a variety of opportunities for engagement will allow participants to accommodate their participation into their schedules.
1114	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Incentives and honorariums for participation would benefit members of the community and create a positive culture.
1115	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High priority. Businesses are the center of the economy and large generators of waste.
1116	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think it is difficult because it will require a lot of money to implement these tools and a lot of resources. So what will make it easier is to work with the private sector, the public sector and every sector to potentially implement this and to make this visible and attractive for participants and users and businesses because it has to be advertised properly and to a diverse group of participants.
1117	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How can we make this attractive for business and users to implement ?
1118	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver should consider better marketing strategies for educational purposes.
1119	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Provide incentives that motivate users and businesses.
1120	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High priority. Education and marketing is crucial for an informed citizen.
1121	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In general, you would hope that additional tools and educational tools would help make things easier. Making it easier for all of us, including businesses to participate.
1122	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	These tools should consider a wide range of people, it is important to make these tools accessible to everyone in the community. That would make it easier for everyone to participate.
1123	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Better marketing and getting the word out is important.
1124	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Providing incentives for businesses and community members to use these tools.
1125	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High Priority
1126	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think this is something that is easy to participate in as a resident. It might be more difficult as you scale it up to organizations.
1127	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think that's a good idea. That's a very good one because I think you know most things that are wasted are food from food scraps. So it's very good that if we do that it helps a lot of people. It is easy on the individual level, but maybe harder on the businesses and organizations side. Maybe it will be good to provide incentives.
1128	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Saving food or eliminating waste is a mindset. So if you have a mindset of overconsumption, you just don't really care about these things but once you take responsibility for things like the environment and your life then it becomes more important. So again, switching culture is like maybe shifting the mindset of people like a growth mindset and I don't know how you do that but it's like literally changing your personality, teaching people to regain their self control.
1129	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It will be also good to work with restaurants and supermarkets to avoid food waste ending up in the landfill or in the compost if it has the potential to feed someone else. Togoodto go apps and other initiatives would make participation easier but once again people need to be educated and aware of these tools.
1130	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Food waste is a huge factor that can be prevented.
1131	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Transforming our food production systems to zero waste and circular economy principles would be very beneficial for our community.
1132	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I think also the government like Metro Vancouver and other municipalities, they could subsidize or encourage refill stores and things like that or they could maybe launch their own or something.

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1133	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Incentives and honorariums are a good way to ensure accessibility. Creating a cultural shift and providing for everyone in our region.
1134	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Additional feedback	It was great to give feedback in options analysis phase. Please make things accessible and easy to use for residents
1135	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Additional feedback	Metro Vancouver needs to consider people facing barriers to participate
1136	1-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Additional feedback	More advertising and promotion of the options analysis phase and the opportunity for citizen engagement in shaping the draft plan would be beneficial
1137	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier for you to recycle more materials?	Being technically able to recycle. Without ICI PPP recycling, our organization has no ability to be able to legally recycle unless we bring our material home and place it with our household recyclables....which we do as we're small enough that this is not too much of a burden. No private recycling option where we are located that accepts PPP.
1138	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier for you to recycle more materials?	Education about what is recyclable and where.
1139	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier for you to recycle more materials?	Expanded regulations on the mandatory recycling of uncontaminated materials generated by healthcare facilities.
1140	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier for you to recycle more materials?	Having ICI recycling be the same as it is for residential.
1141	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier for you to recycle more materials?	More convenient services
1142	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier for you to recycle more materials?	Perhaps more bins that keep things separate by material type.
1143	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier to recycle food waste in your building?	At this stage our compost container is sufficient
1144	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier to recycle food waste in your building?	Clean areas for organics collection (i.e., no vectors, no slippery/sticky surfaces)
1145	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier to recycle food waste in your building?	More container
1146	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier to recycle food waste in your building?	Waste audits - many people still do not sort
1147	1-Oct-25	Online Survey - Open end responses	Coast Waste Management Association	Public members-at-large	What would make it easier to recycle food waste in your building?	We use a foodcycler so we're in pretty good shape
1148	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Medium: 2, High: 8
1149	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Success stories. Creating a story behind a theme is important; perhaps an environmental theme.
1150	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We live in a concrete jungle – how can we make it even more environmental? Identifying who should be in those events. When we do our events, we educate people.
1151	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Getting Indigenous peoples involved, with potluck. People can come down to a certain area. Binner 7 agrees because it's collaborative.
1152	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Pop-up stuffs are really important – something at different locations. Advertise, put it on the TV. Binner 9 agrees.
1153	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	(It's not easy.) I don't have that much contact with event organizers and industry professionals myself. Maybe Binners' Project core staff can organize them; binners can be a part of those events (but not at the logistical/organizational level).
1154	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Questions and Comments	Will there be additional funding for the solid waste management plan?
1155	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Questions and Comments	Are there different areas included as well (Richmond, etc.)?
1156	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Having material incentives when we (binners) are involved.
1157	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	If we have our own bins, we don't have to travel far for it. Efficiency is an incentive. Binner 11 agrees, and shares to give more financial incentive. For pop-ups – don't call them "garbage."
1158	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Including a compost feature is important. Binner 11 agrees, and shares that if the city picks up the compost, it would be good. For styrofoam, for example, if it disintegrates, we can form it into something else. So reusing it will save the environment.

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1159	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Everything is microplastics now.
1160	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Donation spots.
1161	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High: 11
1162	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	More media representation on the work so people can read it.
1163	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Advertising the way to deal with your waste.
1164	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Utilize technological advancements to help with waste.
1165	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Fundraisers that support the organizations to get what they need to bring it back into the community. Binner 9 agrees.
1166	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	When they cut trees down, there needs to be an environmental solution to what is lost, as it impacts the ecosystem.
1167	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Some communities still need to learn.
1168	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	People need to know more about what's going on; everything is getting delivered nowadays. They have to be more proactive in the way they manage their waste. We don't know as much as the kids know – now it's gotten to the point that it's really important. All the landfills are full. Rethinking is important, because they have to.
1169	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	So many of us go through the alleys throughout Vancouver; there is so much we wanna take and recycle, but we can't because we don't have a car or a truck. But if there is an organization can support with transporting large items, that will address an enormous amount of large waste that end up not getting picked up.
1170	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's difficult if binners are not compensated.
1171	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It'll be difficult. One-time events are good, but there needs to be more follow-through.
1172	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Goods and services tax four times a year – the two times a year should involve community events.
1173	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Making educational seminars more frequent and local, and incentivize them. Binner 11 agrees, and it can be a collaboration with community centres.
1174	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Education is important. Making those educational sessions free.
1175	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's super easy. I think it would be hard to have binners involved if they're not contracted out.
1176	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Additional feedback	More action from the City
1177	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Additional feedback	Rethink before other Rs
1178	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	Additional feedback	I think binners should be a part of this project
1179	1-Oct-25	Consultation #3 Notes	MakeWay Charitable Society - Binners' Project	Public members-at-large	General Feedback	We all see things that get tossed away that have the most minor scratches/alterations to be made. To say everything that is on the street that is stolen is not true. There were workshops where you can bring in things to be repaired - more of that would be super useful. Repair cafes would be useful. Binner 6, Binner 11 and Binner 9 agree. Binner 9 shares that solid waste that can't be fixed here gets sent off to other countries.

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1180	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Junk removal services
1181	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	If there was transportation, I pick
1182	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	More publicity
1183	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	When to pick up the waste. When to put out the recyclable (e.g., at night). Also out of sight centre with instructions
1184	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Organize to recycle capacity (so things could be broken down into components that can be re-used, recycled, or need special disposal like batteries, mercury etc.)
1185	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Have a deposit on more items
1186	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Transportation
1187	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Pay us more
1188	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Make it low like E.U.
1189	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Put a refund value on item or material
1190	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	More places to recycle batteries
1191	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Depots open late
1192	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Compartments that (e.g.) clothing, batteries, plastic, metals as a group when you take to drop-off you get a clean one to take
1193	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier for you to recycle more materials?	Higher deposits
1194	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Availability of containers. Food bins
1195	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Green compost bucket with bags
1196	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Bags. Aveur labels? Free incentives / bonus games
1197	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Small containers for recycling food waste
1198	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Have plot for food waste gardening. Have a bin for food waste. A container for compostable food waste
1199	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	To have recycle program
1200	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	To have the recycle waste program in my building and sort them in bins
1201	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	We don't have recycle program in SRO. In my building – BC Housing
1202	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	To have a program – recycle
1203	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Having separate containers
1204	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	A compost bin — multiple actually, like 1 per floor
1205	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Yes, first I have sort my item, and in building we put posters
1206	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	To have Binner project work in the building
1207	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	A compost container
1208	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Space to be able to store the food waste. Bins that would hold this type of waste
1209	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Accessibility
1210	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Comes to building on a regular basis

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1211	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Not having to carry it to basement
1212	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	To have everything ready already
1213	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	More recycling services
1214	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Actual recycling bins
1215	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	A compost station
1216	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Having a compost bin
1217	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Note: if people did not put meat products in compost bins
1218	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	We have compost bins next to landfill containers
1219	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	The compost bin
1220	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Big bags
1221	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Compost bin
1222	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Collection / sorting food waste
1223	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Food waste bin / compost
1224	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Already recycled food
1225	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	A bin that would hold 1 week's worth of food waste
1226	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Compostable bins!!
1227	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	My building has many food waste bins
1228	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Provide compostable food item containers
1229	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Provide small container for the kitchen → easier to take outside to compost bin
1230	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Easier access
1231	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Compostable food item containers
1232	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	It's pretty good where I live.
1233	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	More bins according to recycling category.
1234	1-Oct-25	Paper Survey - Open end responses	MakeWay Charitable Society - Binners' Project	Public members-at-large	What would make it easier to recycle food in your building?	Having a bin.
1235	1-Oct-25	Email submission Re: Scenarios draft	Zero Waste BC	Non-profit		I have been reading through the Options and was very concerned to see that closing the incinerator was not considered as an option. Following on the last PTAC meeting where no real information was provided on what residual options for Metro Vancouver would be, I have created the attached spreadsheet.
1236	1-Oct-25	Email submission Re: Scenarios draft	Zero Waste BC	Non-profit		It uses existing waste data and annual level of decrease and then forecasts for the 10 years of the plan using Metro Van population forecasts. I use tipping fees calculated two ways from Metro Van data and add in three scenarios -1. closing the incinerator with status quo waste reduction, 2. closing it and actively pursuing Zero Waste (though this is only an increase from the status quo and not as ambitious as the plans for Nanaimo or Capital Regional Districts) and 3 pursuing Zero Waste but not closing the incinerator.

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1237	1-Oct-25	Email submission Re: Scenarios draft	Zero Waste BC	Non-profit		If you look at the sensitivity tab, you will see that in almost all cases (and certainly all of the likely ones), closing the incinerator and pursuing zero waste saves the most money over the status quo (and this is a very conservative model in that it overestimates the costs to dispose at Vancouver Landfill). There are a few variables that can be changed (% waste decreased, amount of capital costs for incinerator, if the maximum waste to the Vancouver Landfill is 750,000 or 700,000 tonnes per year, and some represent different disposal costs). These adjustables are in yellow so you can play with it yourselves. I put in $10 million per year of additional investment to achieve the zero waste option. This represents a significant increase over the previous investments (at the very most a generous estimate of $4M per year) making it reasonable to expect success and also making it possible to fund the many actions we will discuss on Friday.
1238	1-Oct-25	Email submission Re: Scenarios draft	Zero Waste BC	Non-profit		So Metro Vancouver is going to fund a Public Health Risk Assessment and revisit the emissions levels and testing. Health Authorities will be involved and there will be public consultation. This should result in additional requirements for the incinerator as existing requirements are from almost 15 years ago and a lot has changed in the air quality world.
1239	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		For a long time I was active in the field of waste management in healthcare and local waste management on the North Shore. Now retired and seeing life from a different angle, in a new area, a few actions and thoughts become obvious to me.
1240	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		Most residents are too busy to truly care about waste
1241	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		There need to be more resources for waste of bigger size, and free or very cheap disposal
1242	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		I don't always find the staff at the electronics, plastic, styrofoam etc disposal places polite or helpful.
1243	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		Also parking is an issue at those sites.
1244	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		Could the bottle returns be at a different place?
1245	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		At homeless sites (while not legal, people do live there and dump garbage) could a garbage bin/ recycling be present, temporarily? Plus give a camp leader the responsibility to keep the site tidy?
1246	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		Restart the tap water pledge campaign again
1247	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		Buy more water trucks for major events during the summer
1248	1-Oct-25	Email submission Re: SWMP feedback		Public members-at-large		Finish the new solid waste treatment plant on the North Shore, we need it
1249	2-Oct-25	Email submission Re: PTAC October Meeting	HSR Zero Waste and PTAC	Waste Industry		Regardless of your position on things, the lack of transparency from MV regarding key elements that affect the SWMP is unacceptable. Also not that the Federal funding is only $2.4M on a $240M project so about 1% and that is if costs stay on budget, which I am not confident they will. That 2.4M could be far better spent on so many other waste prevention and diversion initiatives.
1250	2-Oct-25	Email submission Re: PTAC October Meeting	HSR Zero Waste and PTAC	Waste Industry		I also think X is right that we should be taking a hard look at looking at what it would mean to shut it down,given the recent concerns with the Burnaby incinerator not able to meet Provincial air quality standards, local concern around the potential release of unmonitored dioxins and furans, and the fact that the cost to bring it in line and maintain it is escalating fast with no real analysis done.. $100M got added to their capital budget over night with no supporting documents as to what that included. 37 year old facility with an average life span of 30 years.
1251	2-Oct-25	Meeting Summary	Regional Administrators Advisory Committee (RAAC)	Local government		Metro Vancouver staff provided a presentation. One comment about the need for a more local organics processing facility, with mention of a site on the North Shore. The main point being that it is important to find a local solution rather than shipping organics out-of-region.
1252	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Need ZW re-integrated into the plan – municipal regulatory pieces are not reflected in this – all ideas on regulatory pieces have been shuffled away.
1253	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Advocating is important but need to be more directive with action-oriented tasks.
1254	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		General comment – for strategy 4.6 – a lot of the actions could have member jurisdiction participation, but why only choose ID 130 (worm bins) and ID 155 (AI pilots)
1255	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Need to more wholistically support transition to circular economy over long-term- supporting meaningful systems change. Whatever the plan is will set direction for staff and need more concrete actions by staff on waste prevention and circular economy.
1256	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Also need more of an economic development framework – economic pieces need to be more fully considered – i.e., if you are a local innovation, how can regulation support your innovation? Not just about waste.
1257	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Circular economy frameworks should have ZW strategy embedded within it.
1258	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Big thing that's missing – redesigning the systems, reverse logistics, how do we think about procurement and business model transformation instead of incremental change to what is already happening.
1259	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Behaviour change needs to be more explicit.
1260	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Important to shift funds and resources and develop CE solutions through ZW tools.
1261	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Strategy 1.2 – how to support transition – important to build on the existing innovation, it will cultivate itself. Need stronger teeth, ability to quantify current landscape and change.
1262	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Scared of pilots – only works at scale; need economy of scale which can't be achieved through pilots. Need more living labs to demonstrate economic models.
1263	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Need bolder supports and changes. Deconstruction policies didn't come – and businesses, like unbuilders, didn't succeed. E.g., same with single use cup fee. Need to set up test systems to provide signal to market.
1264	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Need more bold commitments – e.g., commit $10 million over 10 years (e.g.)

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1265	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Outside supply is a constraint now; so important to get foundational policies in place and that's something that comes out of it. This may come organically through other actions like ID003 and 4, feels more of a Phase 2, secondary action.
1266	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Important but calls out one sector and likely should be broader.
1267	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Change to MV to lead by example in ZW.
1268	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Limited to food systems – but these concepts are over-arching to all sectors.
1269	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Should include ZW education.
1270	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		What would be action that comes out of this one? This one maybe folds into others. All of these waste items where end of life solutions don't yet exist. There are enough materials and for-profit companies that are not getting the lift off or voice that they need to scale. Once we get to scalable systems and technologies – need to not pause before we give them lift off. Need people participating – and need to widen the tent.
1271	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Collaborate with external groups – get more specific. Collaborate with circular innovators and entrepreneurs on the ground and across the country.
1272	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		This is important. There are existing technology that tracks origin of the material. Need to focus on high value materials. If we deconstruct the building, if we don't know origin of material don't know what to do with it. Digital passports and material banks are important. How can we facilitate wider adoption. Like that tracking and forecasting is included. Working with retrofits – digital tools would be able to be scaled up. EverLeger (Leanne Kemp's business is blockchain enabled).
1273	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Deprioritize this (voted six thinks less relevant)
1274	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Educating the benefits, yes but should go further and be specific about showing business case. Like collaborating but businesses need to know future direction – so good to have regional commitments. Harder words would be better – less about collaborating and educating, moving towards enforce and regulate. Mandate and enforce. Stronger wording. Supporting in the transition is great but need to focus on accelerating the adoption of circular business models - this results in setting behavioural norm in the industry. Be transparent with business community about direction MV is going.
1275	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		A lot of requirements for new and up and coming CE businesses. Too high risk for businesses – insurance, land, cost margins. Not sure this is what is intended to address in this action, clarify and include this if not elsewhere and this is only reference recycling businesses.
1276	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Like this. Look at BC housing, heavily weight cost. More facets we work into that pull weight away from costs, towards circular criteria, is great. All member jurisdictions have different criteria, so businesses are working in a patchwork. Higher ambition mandated through procurement criteria is what we want.
1277	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Needs stronger wording, important piece is how to do this at scale. Like for composting programs, how can we have one in every community? Agro-ecology is a good term to think about and possibly integrate as it's broader principle.
1278	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Great but also needs a 'stick'
1279	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Also requires a financial incentive. E.g. if not using hard to recycle plastics was somehow saving producers money.
1280	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Convenience and staffing are also factors.
1281	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Companies will only take action if they are pressured.
1282	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Useless unless there is a 'stick'. Healthcare has compactors, and when you remove a compactor you should reassess the system.
1283	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		There's a group within the healthcare system that advocates for recycling -but a lot of them don't end up in recycling bins but end up in containers that end up in landfill or transfer site, and once there is a contaminant from health perspective it goes to incinerator.
1284	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Force health care to put in programs to listen to subject matter experts and do the right thing.
1285	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		We like "co-develop waste reduction solutions" – because in industry, there are experts on what to do with their waste. So that has value. But we are over the 'workshops' part. Specific sector waste including healthcare but also other industries.
1286	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Tie to a 3rd party certification – this helps motivate as well.
1287	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Sectors education is just repeating. If they don't know where to go.. we have huge uphill climb on education, particularly with construction
1288	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Others support this at Douglas college post secondary – hard to find the suppliers on our own but if there are resources to help connect us .
1289	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Feedback that this ID doesn't address 'reduce'. They have been taking materials to transfer stations for a number of years; it comes down to the amount of room they have on the ground.
1290	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Good for some industries (like schools) but not others (construction)

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1291	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Tools and templates do not go far enough – we shouldn't be doing that. We should go further and put regulations – e.g. you cannot buy/sell things that end up in our landfills.
1292	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Works in settings where there is a universal rfp process and they can then put it into their policy.
1293	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Needs to be enforceable
1294	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Nothing about MV implementing procurement strategy that incentivizes/awards sustainable procurement. Need more commitment – more committal language. This is too vague.
1295	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Need 10 year plan to develop full procurement policy to then implement.
1296	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		How detailed is this plan supposed to be? Last plan wasn't detailed.
1297	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		End plan needs to be clear.
1298	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		MV's own internal procurement would be year 1-2, then the next few years expand from there
1299	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Could be effective for other industries but not C&D – they will not respond to a toolkit. They need rules, requirements, and financial incentives/disincentives.
1300	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Because this should have happened years ago. Educational tools are too 'soft' to be the focus. Need more requirements rather than educational tools. WE're at the point where we need to play hardball.
1301	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Good but needs to be paired with enforcement
1302	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Need to have a clear strategy to promote/require businesses to participate.
1303	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		If you have someone from Metro Vancouver coming into the businesses to talk, that's impactful and makes a big difference.
1304	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Not clear who is the one developing methods to estimate or provide score card for businesses
1305	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Would like to see rules on new construction.
1306	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Disappointed we're on the 'workshop' stage rather than further along into implementation.
1307	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Want it to have more teeth.
1308	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		If you're not forced to do it, it won't happen.
1309	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Have mechanism like a sensor in bin so that you only pay for pickup when the bin is full, rather than a regular schedule like weekly – provides an incentive for reducing garbage.
1310	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Requirements to submit a zero waste strategy, implement waste audits or waste plans, etc. could be effective
1311	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Idea of licensing manufacturer, retailer, hauler even. We don't have a clear picture on what receiving facility receives waste from where and which hauler.
1312	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Waste reduction coaches – have people supporting businesses directly
1313	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Circular procurement – use the region's procurement power, or procurement guidelies. Only buy from companies that do XYZ. Ban could also have the same effect – if something Is banned, you look for alternatives.
1314	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		How do we reduce – I don't' see disposal ban as 'reduce'. Bans encourage diversion as opposed to waste reduction. You are trying to sort out the stuff that has already gone to disposal.
1315	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Ban does not reduce the amount of waste generated in the first place.
1316	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Bans incentivise waste leaving the region?
1317	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		A ban will mean they'll go over border to dispose of banned materials.
1318	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Need a system to track waste from producer, hauler, and receiver so we know it's left the region.
1319	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		This strategy should go to recycle or lower (not REDUCE).
1320	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Need a pathway for waste from certain sectors to be banned from MV facilities to have a review process. Need a clear audit and review process to revisit items that are currently unable to go to recycling and need to go to WTEF (e.g. hospital waste)
1321	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Beyond just providing incentives for collectors, the region should look into incentivizing innovators/entrepreneurs that provides solutions for materials so that they can then be banned.

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1322	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Consideration is as EPR comes in, that creates risk for innovators. Is there a way for EPR to not quash innovation. If there is a thriving system in place already, EPR should not be able to come in and displace that successful system (eg. What happened to electronics)
1323	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Clear bags should not be lumped with “technologies” – they are two separate things.
1324	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Instal tech to monitor customers, rather than clear bags at the disposal site. More important to monitor at source.
1325	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Are we missing a C&D data action under reuse? Metro Vancouver has lack of data about what leaves the region
1326	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		San Francisco requires reporting on C&D leaving the region
1327	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		No regulation actions in the C&D strategy currently – need to look beyond just incentives
1328	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Look to Nanaimo for a successful example of a wood ban
1329	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Consider just reuse in construction sector; demolition by definition doesn’t include reuse
1330	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		This already exists, doesn’t need resources
1331	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Consider a freestore model at recycling and waste centres – both drop off and pick up of reusable materials
1332	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Critically important for Metro Vancouver specifically
1333	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Addressing the time component is key for incentivizing deconstruction. Currently the biggest disincentive is the increased time it takes.
1334	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Lower support, there have already been a lot of tries and failures in this area
1335	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		This already exists; facebook marketplace
1336	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Maple Ridge New and Used and other physical locations already exist
1337	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Incentivize rather than ‘encourage’
1338	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Doesn’t need to be in-region
1339	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Should go through a MRF first
1340	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		The incentive is already built in to some extent
1341	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Scaling deconstruction is important for contractors
1342	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Time component more important than incentive component
1343	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		These are what Metro Vancouver should focus their effort on, but they need to be more direct
1344	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Don’t like the term advocate, foster, encourage; these don’t speak to action
1345	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Incentivize may be better to use rather than advocate
1346	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Consider disincentives for not using reused material
1347	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		ID045 and ID035 could be combined
1348	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Support for regulation, asking for more regulatory authority rather than advocating
1349	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Support for this action; shouldn’t have to drive out of region for reused building supplies
1350	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Land is not an issue, action not supported
1351	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Ensure the material gets to facilities rather than supply land for it
1352	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Take back more than just clothing such as electronics, etc

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1353	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Cleaning and washing infrastructure for reusable product processing throughout the region (not hubs).
1354	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Increase awareness of these programs
1355	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Understand barriers to resident participation in reuse, refill, and repair.
1356	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Identify opportunities in reuse and repair industry and skills required for repair. The knowledge exists but needs more focus
1357	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Pilot broad reuse initiatives in a small community (complete top to bottom change to reuse)
1358	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Top-down change is required. Currently too much bureaucracy so that there is no room for change. Too risk adverse (Example of putting in a reuse collection bin at Kitsilano beach being shut down by strict policies). Need inventive to adopt new practices (resources, time, money)
1359	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Metro Vancouver can offer support, but lots of groups are already doing this work.
1360	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Challenge of increasing cost of rent for nonprofit organizations doing reuse work. Community groups need land or space to do their work. Increase focus on infrastructure to make reuse convenient and accessible (land, storage, software, facilities, etc)
1361	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Funding for larger industry to pilot reuse and repair initiatives or collaborate with smaller community groups to ensure the funding has the biggest impact.
1362	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Develop a directory of organizations and businesses already working in the space for people to connect to. Reporting mechanism.
1363	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Same issues as thrift stores
1364	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Pay the people doing the work, rather than apps and software to inform the business
1365	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Major food recovery organizations could get together and operate a “Hub and spoke model”
1366	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Relationships with non-profits are important
1367	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Buildings and space are key to expanding the sector
1368	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		No regulations currently shown under this strategy; would be helpful
1369	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Programs before data
1370	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Measurement is challenging; best estimates can be more practical
1371	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Replace “encourage” with “incentivize.”
1372	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Identify and advocate for additional materials to be added to EPR programs.
1373	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Include mention of expansion of deposit return programs within EPR.
1374	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		This action is redundant when considering the other actions in this category.
1375	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Replace “encourage” with “incentivize” or “advocate”
1376	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Advocate for curbside collection of EPR materials for 100% of Metro Vancouver residents
1377	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Create/require accountability and transparency confirming chain of custody, end of life true recycling of materials, markets and recycled products from EPR materials collected
1378	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Increase accountability for the first priority of EPR which is design changes to reduce waste and increase reusability in the products at source.
1379	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Incentivize upstream changes to focus on reusability or products and packaging.
1380	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Ensure all MSW is processed for the purpose of taking out recoverable materials.
1381	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Provide financial disincentives to not recycle (charge more for garbage to incentivize diversion)
1382	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Make it more clear which type of recyclable is being referred to for each item in each action (e.g. what types of recycling are you referring to make it easier and more effective? Which items currently have the most confusion for recycling that need to be focused on?)

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1383	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		How do we ensure whatever is left from reduce and reuse can be recycled?
1384	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Whatever those materials are – should be specified within the strategy before diving into the actions – makes it more clear on what the action is tackling to the audience reading and interpreting these actions
1385	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		This action is operating under the assumption that education changes the behaviour of residents – there isn't strong enough proof to support that currently with recycling data, maybe look to other ways of enforcement in multi-family residents.
1386	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Have some sort of penalization for the people who do not participate – have different penalization rules per each large recycler, so they know when they disobey the rules, what the repercussions are.
1387	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		What do the rewards systems look like for those who do participate and are avid recyclers in the system? Maybe specify that a bit more in the action.
1388	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Would be great to have standardized system collection across the region to be able for residents to understand it
1389	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Like this action because it looks upstream rather than downstream – good action to have to intervene with those not good at recycling.
1390	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Educational resources just aren't enough for people to participate in this action – need to really make the system accessible that they will hold their event at (i.e. have mandatory recycling and compost bins at large event areas)– and make it clear where and what to recycle and where it goes
1391	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		These actions seems similar enough - could put them together
1392	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Must include alignment with specific building needs and producers or products
1393	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Include non-profit organizations as facilitators of education where possible (e.g. Binners)
1394	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Remove reference to "ethnocultural" – could be misinterpreted as those communities are causing the issues or recycling and contamination – instead make reference to providing the resources in multiples languages.
1395	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Clarify whether you are talking about non-profit organizations facilitating the recycling training within the buildings, or running the buildings sorting programs.
1396	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Include education or resources for suppliers of party supplies including catering (e.g. Costco/grocery stores)
1397	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Have stickers on the plastic packaging that indicates very visibly that it is recyclable and should go in a certain colour bin
1398	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Clarify what 'environmental advisors' are in the description of this action (RCBC Hotline) – could be taken a few different ways
1399	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Consider language and cultural barriers to regional participation for the information services being provided.
1400	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Spend the money on the services for translations – see if it would be helpful or not – then pivot if not
1401	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Some items on the agenda that needs to align with what is happening in the industry – relevancy is important
1402	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Get the stratas etc. to have buy in for the recycling guidelines that they need to follow an be held accountable
1403	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Very low support to gamify recycling and reduction education – think of other ways.
1404	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Harder to do effectively
1405	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		The GHG of AI is not worth it to support this action – not great benefits
1406	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Create systems where organizations like Binners could help to sort – rather than spending money on AI to sort
1407	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		If going to use AI – make sure its not to in depth for the items because it will use more energy and power to create it
1408	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		With transparency of what happens to materials, there needs to be honesty. Acknowledging that the products that are being made in the system aren't necessarily getting recycled because there's no end market for them currently (i.e. certain plastics and products)– that is part of the process, to collect those products in the solid waste system, so what does NOT get recycled because it cant be, should be part of the transparent data.
1409	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		There should also be transparency of how the businesses are making money off of those recyclable products
1410	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Recycling is value creation and we are extracting the value out of recycling those products – how do we ensure to send the benefits back to the consumer and community?
1411	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Explaining EPR more throughout education of what happens to that money and why it is baked into the cost of the items would be a useful start with transparency and honesty

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1412	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Mandate bins that are decaled – if the bins aren't given people the information they need – whether MURB or single family – would decrease contamination a lot
1413	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Consider the space given to garbage bins versus recycling -when recycling should be a priority for most households – yet the garbage collection bin is the one with the most space and always largest.
1414	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Very highly rated
1415	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Members acknowledged that the strategy of collecting dimensional lumber is new, yet the other strategies are the same as before (recycling of concrete, asphalt). This suggests that MSW will continue going to either landfill or incinerated.
1416	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Members asked that consideration be taken to the fact that the landfill is closing and there is a carbon neutral goal by 2050.
1417	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		A bottom ash pilot can remove 40,000 tonnes of material from going to landfill. 100,000 tonnes of small load waste material can be removed and go to another purpose.
1418	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Members discussed if funding and resources are being put into recovery and taken away from other areas.
1419	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Members asked about triaging reusable materials from landfill and although it was not clear to them in the strategies, Metro Vancouver does have an agreement with Urban Repurpose at the NSRWC that includes collecting reusable lumber.
1420	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Some members wanted to spend more time talking about the top of the hierarchy rather than focusing too much on the bottom (recovery)
1421	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Members were very interested in the financial investment going towards WTE and want more resources allocated to the top levels of the hierarchy.
1422	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Members were interested in reallocating funding from WTE to other actions before recovery.
1423	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Members were interested in whether its possible to set proportional metrics for funding for each strategy
1424	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Don't embed examples in the action – maybe can add examples after. Embedding examples makes these actions confusing
1425	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Can we have a timeline for stages of implementation of these actions
1426	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Problem with bans is we don't have infrastructure to support reuse.
1427	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Reengineer the way we manage materials to support reuse.
1428	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		The bans don't come into place until there is infrastructure in place to handle the material flow (for recycling/reuse)
1429	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		RD of Nanaimo has a study on clean wood ban – set up streams for wood in advance of the ban – they were revenue generating streams. Good case study to look into when implementing bans
1430	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Comment on the rubric – people getting fined is impacting affordability. Haulers getting fined should not impact affordability.
1431	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		But affordability is about people who can't afford things and they're trying to do the right thing. Affordability should apply to low income residents. It should not play in as a factor when deciding on strategies for businesses or high income residents. Apply an equity lens.
1432	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Certification of receiving facilities – these exist, where they are audited. Where does stuff go after they get to that receiving facility? Needs to be verified. Especially C&D facilities – need certification. They say they recycle a certain amount but they're not actually doing that. Why are receiving facilities not licenced?
1433	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		About scale and enforceability – some of these don't fit from this perspective. Do big things and make it illegal to do bad things. E.g., ID018 – continue to learn – feels like we are past that.
1434	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		The whole R assumes that people care enough to recycle
1435	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		This only really works in circles where there is keenness for the change (e.g.PTAC and environmental groups)
1436	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		How do we change actions based on people who don't really care?
1437	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		There is a cultural and societal norm around caring for recycling how do we get them to care regardless of their value system? This is something that the actions should also include, an aspect of more than just behavioural change.
1438	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		All actions are very important – they all kind of feed the system, but they feel incomplete just on their own – but work together well because they support each other well
1439	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		All actions seem incomplete and need to be stronger language – e.g. changing "support" to "fund" – explain how MV supports by funding – rather than having them as high level
1440	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Could outline the importance of each action – and link the dependencies in the system – how they link together well
1441	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Business certification – partner with existing organizations. Yes, but make sure it leverages the innovators on the ground.

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1442	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft summary of ideas staff consider unadvisable	No work has been done from Metro Vancouver in increasing WTE capacity
1443	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft summary of ideas staff consider unadvisable	Members agreed that a hybrid system works. Landfill and WTE together.
1444	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft summary of ideas staff consider unadvisable	Source separation is preferable although there is no perfect separation system. Some members discussed how all materials could go through a MURF before going to landfill or WTE.
1445	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft summary of ideas staff consider unadvisable	Members brought up how there are only a couple reasons for keeping the WTE open yet there are many reasons for closing it
1446	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee	Draft summary of ideas staff consider unadvisable	Members agreed with staff that privatization is unadvisable
1447	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee	Feedback on SWMP Draft Outline and Residual Waste Management Options Review	Members want the SWMP to consider other Metro Vancouver plans such as the climate action plan, climate 2050. Focus on Integrated plans de-siloing.
1448	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	This is a no-brainer
1449	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Don't just teach it in the school, add it to the curriculum so the messaging and actions are consistent for all grades
1450	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	You need the teachers on board with this to ensure there are consistent actions that are followed in the schools
1451	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	NO FAST FASHION
1452	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	I don't support this because you will impact the cultural fabrics that I use to make our clothes
1453	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	I don't agree because this will impact the fabrics we can afford and select for our tarditonal dress
1454	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	What does fashion have to do with Metro Vancouver?
1455	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Basic guidelines would be most helpful. MV has made things way too complicated.
1456	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	You would need to be intentional about language and communication
1457	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Face to face is good but there will be language barriers if you do not have someone who can speak our language.
1458	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Will you speak our dialect of Hindi? If you will do this, do it right for all cultures.
1459	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	This is already being done by non profit organizations that get selected by stratas
1460	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	What about nail polish? There are many item swe don't know what to do with them.
1461	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Lack of space to accommodate more bins, already too crowded
1462	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Strata will be the barrier to this, there must be approved regulations to follow
1463	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Provide this in different languages and in my dialect - not helpful if just in Punjabi
1464	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Definitley a MUST
1465	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Re-using in India is a sign of being poor. Many immigrants will not do that regardless of the education.
1466	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	This is a good idea but you would need to be clear in your communication so people are aware. Advance notice is needed
1467	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Should be in public communication already
1468	5-Oct-25	Diwali - Engagement Boards	N/A	Members of the Public	Questions and Comments	Transparency is needed, little trust in what MV says
1469	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		What circular economy regulations? Important to include but may be too broad. Is it federal and provincial regulations?
1470	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		90 and 5 – could be combined. Similar to comments above – group didn't generally think that built environment or food systems should be called out specifically in the "rethink" strategies.
1471	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Many actions need to be a lot tighter, more specific, and in some cases grouped together – generally felt there were too many actions in RETHINK overall.
1472	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		In some cases the actions felt too vague – and need to be more specific to measure progress against. E.g., education action should be linked to something more concrete, like 'develop curriculum'.
1473	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Generally felt that there were many instances where there was a separate action for built environment and food systems – but that these should be collapsed into one action, not calling out a specific sector but keeping at meta-level of circular economy for the rethink category. I.e., skills training actions were noted in this way.
1474	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		what does that mean? Don't know what already exists within MV operations. Important piece is to have an action that communicates that we will lead by example and share our learnings from these actions broadly.
1475	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Similar to comment above, except noting that we are already doing this? How is this different than what we already doing? This could be combined with 9 to be lead by example action, and share the learnings
1476	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		ID 014 and 011 are quite similar
1477	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		ID 11 and 14 are quite similar.
1478	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Similar to 79. Look at all skills training/education and reduce and refine them down to a few tangible actions, not specific to a sector.
1479	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Who are advocating to in this one? Feds/provinces/muni's or other?
1480	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Does MV want to host?
1481	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Important to celebrate successes and share it but it's too focused on one sector. Should be circular economy, not specific sector.
1482	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Working with trade schools – yes, but what incentives can supplement this.
1483	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Combine these [ID074 and ID042] and identify one specific deliverable on skills trading. E.g., develop school curriculum – otherwise, risk it being too broad.
1484	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Food scraps aren't garbage campaign – can we do a review of it? Push out the messaging more? It's a decade old- maybe opportunity to review. After many years, the message becomes a background message if it's not fresh.
1485	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Like this one. It's a deliverable.
1486	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Similar to above on 74 - certification program along with incentive program so it's well used, recognized.
1487	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		1.3 (18) feels weakly worded, not specific enough. Happening anyway, could it be strengthened?

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1488	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		1.3 (19) – already happening. Is the purpose to just recognize that this is underway and build from it?
1489	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Work on collaborative research projects – feels important but clarify who – or give examples of who.
1490	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Textile waste action here is important.
1491	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Procurement – lead by example – i.e., leading procurement changes and influencing marketplace is important.
1492	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		ID30 and 160 – like these but very similar. And for ID30, careful about onus on member jurisdictions. Working together on circular procurement is good, but it should be worded to 'invite member jurisdictions' to engage.
1493	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		General comment among whole group - really like strategy and actions in 1.4
1494	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This is important
1495	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Really like this.
1496	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Feels like this is related to 93 – 92 could it be nested within 93? (i.e., as well as collaborations)
1497	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		What would this include? Not sure if it belongs as its own action or if it's an overarching sentiment.
1498	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		It is very precise.
1499	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Measuring tonnage over GHG emissions makes more sense to me but know both are important.
1500	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Can be combined with some of the other ones that are also related to sharing information (such as builders breakfasts See ID040 and ID 062). Too many actions with too much repetition/overlap . Toolkits and breakfasts are just examples.
1501	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		The comment is that There are many opportunities for members to be directly involved in this – there should be a blue action here about C&D waste, but there are only Metro Vancouver actions here.
1502	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This one is good as its not specifically in-person – it's broader in terms of creation of tools/education.
1503	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		The idea is great but every municipality has slightly different requirements which makes this action challenging to implement.
1504	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Apathy due to frustration about how rules and requirements differ by municipality, or differ by facility (community centre v.s. street), etc. It needs to be simple. We make it complicated by having a different take in every municipality. This action would be way easier if things were harmonized. At the moment, it's not.
1505	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		A more meaningful action would be to align across municipality rather than developing education tools.
1506	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Businesses only do things if required or it's cheaper. Barrier is not about education – it's about regulation.
1507	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		We're doing this currently and we never are talking to the person we need to talk to. Expensive and not too effective.
1508	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		In-person element is challenging, v.s. just creating a toolkit.
1509	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Having a video to direct someone to would be more feasible. This is not practical or feasible.
1510	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This action is more helpful if there is a regulatory change and then businesses need help implementing.
1511	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		There could be an overall ICI strategy that incorporates multiple elements including advocacy, education, etc.
1512	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Don't list business licence even as an example – just do "regulatory approaches.
1513	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Need to do a legal deep dive to check if this is even okay to put in the plan.
1514	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Businesses licence applications – if there is extra check-box, it adds a lot of time on the existing approval process. Then you have businesses without licences operating in the city. It's not practical.
1515	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Might want to separate out commercial and institutional rather than lumping together.
1516	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		What about EPR and ICI – where are we at with that – EPR for ICI should happen in place of this action that is currently on MV and municipalities.
1517	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	We have many newcomers (no ones educate them), but also many people who have been here for years and many are canadian citizens don't recycle. No education provided, no implementation, no accountability.
1518	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Perhaps amend to just say "regulatory approaches" without singling out business licences.
1519	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Could regional districts having mandatory source separation for business be a solution here? FVRD and CRD may have this already. Links with ID108 – tie together and can be combined
1520	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Add "where feasible"
1521	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Add the factors / reasons for expanding disposal ban materials – such as when EPR program comes on line
1522	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Remove 'textiles' as it's just an example.
1523	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Also add notes about communications/implementation when adding new disposal bans. The lead up to the organics disposal ban was really effective.
1524	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		IS Recycle BC and other stewards involved in the discussion on hauler incentive programs?
1525	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Could we add "work with others"
1526	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Especially as we're talking about materials that are part of EPR programs such as electronics.
1527	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Instead of incentives, could it be collaborate with EPR organizations to work with their customers? Could be something other than incentives where others are also responsible (not just Metro Vancouver)
1528	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Question on how to fund an incentive program.
1529	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		How do you measure the "additional recycling services"?
1530	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Instead of saying clear bags, have something more general. Technology solutions is fine but remove clear bags.
1531	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Remove require
1532	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consistency but not mandate for the reporting because there are some challenges around resource collection. Would be more popular
1533	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Has a reduce component to it, needs to be connected to the reduce counterpart.

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1534	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		General support for consistent approaches
1535	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Confusing what it means as proven at the community level
1536	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Advocate for it now, don't delay there are already lots of examples of where it can happen
1537	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		There is a mix of tactics and specifics under Strategy 3.2
1538	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		General lack of specific actions
1539	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Municipalities would like to see a guide for where we want to go – build in what's aspiration vs. what's practical
1540	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Market can change and make things irrelevant, risk in being too specific
1541	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Give enough direction to say what we're actually accomplishing with these actions
1542	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Be specific about Metro vancouver's role
1543	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Many of these could include subtasks in order to streamline and combine
1544	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Actions should have specific start and end
1545	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		For actions under this strategy, they should be measurable able to be checked off when complete
1546	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consider each action as a mini project that would need a project manager, a define timeline and deliverable
1547	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Very broad, too vague
1548	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Could take the form of regular meetings with C&D sector representatives
1549	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Very similar as ID046
1550	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		How will this be encouraged? This needs more detail
1551	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This is not currently practical – you can encourage, but the material is not readily available to use
1552	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		A more tangible version could be "Develop a communication plan /programs/materials to encourage…"
1553	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		The idea of a freestore where residents can drop off and pick up construction material in the same place would improve convenience
1554	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Communications material for municipalities could help to encourage this
1555	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Education around deconstruction could help demonstrate why this is important
1556	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Rather that encouraging residents in their own problem, Metro Vancouver could encourage residents to use deconstruction contractors rather than demolition
1557	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This could be an example under ID037
1558	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Could be linked with ID038
1559	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This could be an example of how ID037 could work. Redundant
1560	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Language is aspirational, but noncommittal. This action is not tangible
1561	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Needs more action, weakly worded
1562	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This could be an example under ID037
1563	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		More specifically, this could take the form of a proposal for a provincial/federal grant "Submit a proposal to the province or federal government for a grant program" . Metro Vancouver could run on their behalf with federal/provincial grant
1564	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Is the necessary infrastructure/options for reuse in place for this to be effective?
1565	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Development of a marketplace (ID038) could help with this
1566	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		General support if this was tweaked
1567	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Municipalities should be removed from this list and added separately, with a "where feasible"
1568	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Tweak wording – building material staging and resale
1569	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		More actionable would be "Lead a collaborative effort to find the land needed to…"
1570	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Already doing this, sharing best practices would be a good idea
1571	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Sounds like a low hanging fruit – one member commented that conversations with their library confirmed that not all libraries know what to do with their unwanted books. "surplus" is confusing remove surplus
1572	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		No one goes to malls anymore. Everything is online. This isn't needed as people just use online marketplaces
1573	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Not convinced of the feasibility of this one. Discussion led to thinking efforts could be better spent on other reuse projects.
1574	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Support increase of reuse at MV facilities also encourage collaboration of reuse-drop off at municipal recycling depots.
1575	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This should have a focus on B2B reuse
1576	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Discussion around barriers related to health authority sanitation plan approvals for business, MV could help reduce barriers as well as incentivize
1577	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Wanted more details on what incentives
1578	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Don't like the wording "explore implementation" prefer collaborate instead
1579	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Include education for event goers
1580	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Clarify if this is just making a guide that members can use or if this is more involved like suggested requirements for city event permits
1581	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Felt that existing tools like google maps, RCBC database or something like that already serve this purpose so MV shouldn't take the lead
1582	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Needs clarity members were confused as to what the goal was
1583	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Already doing this, sharing best practices would be a good idea
1584	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consider a more general research action rather than this specific action focussed on SUI cups
1585	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Suggest changing to "consider" and "such as compost"
1586	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consider ID112 as a subbullet or replacement to 113
1587	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Collaboration with industry at the national level is valuable, but this action is too specific. ID 112 should replace this.
1588	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Like how broad this is. Works well to encompass many strategies to address issues.

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1589	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Non residential packaging – commercial EPR is really important. This is under 'Recycle'.
1590	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Include all EPR materials in 5 year action plan.
1591	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Very similar to ID 116. Could combine. Include concept of full funding. Support principle.
1592	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Very granular but important. Is there an opportunity to combine some actions under a broader action. e.g. ID 064 & ID 119
1593	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Unclear what this means or is trying to address.
1594	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consider putting ID 121 under a theme of reducing barriers and increasing accessibility.
1595	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Should be reworded to speak to supporting pilots (in addition to scaling existing, where appropriate.
1596	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Needs to be more specific e.g. land? funding?. Also doesn't acknowledge the role of members (zoning, land ownership).
1597	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		"Services" might not be the right term to use here
1598	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Not clear how this would be done
1599	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Needed in public spaces where it is most applicable, should create based on best practices
1600	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		The same information doesn't always apply to all jurisdictions, so this can add confusion for residents
1601	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This is too vague/doesn't describe the how
1602	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consistency is challenging because it may not be the same in all municipalities
1603	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		All of these actions are very similar, consider putting them together in some way to include the knowledge sharing and educational components of all of them
1604	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This seems to be a more vague version of 142 D10
1605	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Like the idea of having more streamlined accepted materials
1606	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consistency is important, but who is streamlining the contracts for all member jurisdictions?
1607	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Not applicable to all member jurisdiction
1608	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This action (ID137) is very valuable for Metro Vancouver to do because it would make it a lot easier for municipalities if Metro had the data on streetscape intervention that would be useful for all municipalities to know.
1609	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Any guidance on streetscape interventions is helpful, currently don't have enough and cost is too steep.
1610	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		If Metro Vancouver lead collecting and distributing this data, the consistency that municipalities could create for streetscape would be very beneficial.
1611	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		There is an opportunity for standardization in public spaces, this is an important role for Metro Vancouver (ID137)
1612	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Timing for this is very good – many have started down this path but there are still challenges
1613	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Not all jurisdictions have multiplex
1614	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		"Knowledge sharing" is the correct term to use here
1615	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Important action, but barrier is often the budget component to have translation included in all communications
1616	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		If Metro Vancouver were to lead the translations, then provided them to all municipalities in the most commonly spoken languages in the region, that is the only way that municipalities could participate in this action.
1617	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Can this really work at a municipal level and account for differences in programs?
1618	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consider having a general tool to be able to geo target translations needed for certain areas
1619	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I guess one piece of feedback for Metro would be to be clear on what's expected from the member jurisdictions, right? Um, I think obviously like the idea of doing this is good. Um, I think Metro needs to take a leadership role on actually doing it… understanding that, and I think this is related to everything we've talked about so far, is that all of this is an unfunded mandate um in that we they're asking us to do more with the same amount of resources or in City of Vancouver's situation, fewer resources… understanding that some member jurisdictions don't have capacity to spend staff putting staff out there working with, you know, third party agencies and private businesses. And if we're really if cities are focusing on core services… Metro needs to understand that they're going to take a leadership role.
1620	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This seems to be a practical way of doing ID135, specificity of this action is appreciated
1621	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Digital tools may not be as helpful as anticipated
1622	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This could help consolidate municipal efforts in this area
1623	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	What does Metro Vancouver want to hear from us? Important to understand the metrics and parameters. Currently understanding plastic proportions in hospital waste, waste composition studies. This might have parallels with what Metro Vancouver is suggesting. How can we collaborate on this, considering the costs, and there are no funds to spare.
1624	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Should the language be advocate for EPR producers to look at the recycling options before producing products, puts the onus on the producers, which would lessen the need for education if the EPR programs were easier accessible and recyclable
1625	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Specify the difference in this action of what is meant by emerging (does this mean new EPR programs?) and challenging materials (does this mean the items without EPR programs that are challenging, or is it challenging recyclable items?)
1626	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Remove "non-profit organizations" from this action so that it can go beyond those organizations for collaborations and allows for more opportunities
1627	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This would be most helpful if Metro Vancouver were to develop a toolkit for educating apartment buildings to make it more clear, then municipalities could take that to use.
1628	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Use specific language, what do you mean by targeting the most confusing items, through education after the research is complete?
1629	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Doesn't this already exist in a lot of the apps that are out there?

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1630	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Would be most useful if Metro Vancouver created their own app, with ALL of the information needed, that way members could only pay into one app with everything, rather than multiple.
1631	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Is there data showing that gamification still works for recycling and waste? Should explore benefits of this before implementation and spending money on it
1632	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Look into reverse vending machine idea – Japan does it – where you return your cans and bottles and could be entered into the cities lottery, or get other prizes.
1633	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		What does community pride mean in this sense? Pride for recycling? Make the language more clear
1634	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		What is Recycle BC's responsibility in this action – they already do the most videos on recycling.
1635	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		What would the role of property managers be in this action for what services are available at each venue these sectors are located at
1636	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This action should also include multi-family as data from that is very valuable and missing
1637	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Link this action to action ID103 on developing and deploying education materials for these sectors
1638	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		These could be combined easily as they are all connected around the education with specific sectors or education for multi-family
1639	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		ID 155 and 154 could be put together to create a stronger action, with having Metro Vancouver develop these AI systems, then member jurisdictions follow how they implemented them
1640	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consider use of AI for better analysis
1641	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This is a discussion item for REAC SWSC
1642	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Gap – advocating federal and provincial – residential level, commercial and ICI – EPR mattress.
1643	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Member jurisdictions are reflected throughout, not specific jurisdiction actions.
1644	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Can we have inspections at the business level (as opposed to just at the disposal facility)? Even if don't' have ability to fine – if you have someone in uniform saying something is not allowed – that would help.
1645	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		General feedback on EPR actions – include advocation for reuse, reduction and move up the waste hierarchy.
1646	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Some of the actions are evident – i.e., already doing this, but still need to state the things we are already doing
1647	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Is there consideration to organize the plan by sector, and then within each sector have the 5 R's under each sector's section. This is more helpful
1648	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Procurement, education, skills training, regulation – all needed to advance circular economy systems change
1649	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		The way the ODB was rolled out there was education and we provided info to the haulers to help. The letter that we provided to haulers was really helpful in terms of getting people to comply.
1650	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Harmonized requirements across region.
1651	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		CE events – yes, maybe, makes sense.
1652	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		What is the municipality committing to? Difference between participating and actually providing space.
1653	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Having a stronger statement would be important – there is something stronger in the current plan with member jurisdiction action. Want to be stronger/clearer what the expectation is; it's really important; make sure not to water it down.
1654	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Example is facilitate Encorp through our zoning as we are the only ones that can update bylaws.
1655	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Municipalities can also host workshops – not just Metro Vancouver. Something tangible that municipalities can get involved with.
1656	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Need other actions by members and Metro Vancouver to make this successful
1657	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		This scored a 10 but it is very important to explore, and municipalities had more confidence that it should be done after discussion and edits
1658	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Add collaboration
1659	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		General support for the idea of library of things. Comments that they are already doing this. Gave less than at 5 out of 5 because libraries aren't always run by cities
1660	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Feels like an overarching sentiment – repeats the title for the strategy and doesn't feel like it should be called out as a separate action. Lacking direction – to who? It's the title repeated. Doesn't feel like it should be here.
1661	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Too broad to be listed as a separate action.
1662	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		At reuse section – 82 and 83 has member jurisdiction action. Through the municipal bylaw you get strong data and enforcement. Hard to do these items without a corresponding member action.
1663	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Needs to be reworded and reporting should be optional support consistent tools and guidance over any requirements which may not be able to be done with resource constraints. Too many words and focus on what not how don't need the part about the workshops. Add collaboration
1664	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Hard to get municipal permit departments on board. Needs to be less wordy. Add where feasible
1665	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Need Actions ID062, ID040 and ID043 at the municipal level as well to make bylaw successful
1666	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Like the word collaborate with as it as that is an important part about members working with Metro Vancouver
1667	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		It's a municipal action but is this a mistake? – members don't do inspections at regional facilities
1668	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Suggest revising ID 114 to MV will host and invite member jurisdictions to participate in …
1669	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Change to munis "will consider" e.g. compost
1670	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		What are the impacts of non-native worms species on the environment for worm bins?
1671	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Is there current data showing that worm compost is still being used enough by residents to have an action on it?
1672	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consider table top study to see if this is worthwhile before implementing
1673	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Heard it is most successful in remote communities where there are no organics systems available
1674	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Would like more data and information on how useful backyard composting is in the region before supporting this action

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1675	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		RecycleBC should be involved in this conversation
1676	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Timeline for implementation of this action is a barrier, some municipalities already have a path to a bylaw on container spaces in multi-family units happening
1677	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Consider timeliness of multiple municipalities
1678	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Metro Vancouver needs to have the clear guidelines set before municipalities are able to use it, this would create the consistency that is currently lacking in this area.
1679	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		RecycleBC should be involved in this conversation
1680	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Municipalities need support from Metro Vancouver to have waste composition information for events
1681	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Civic facilities are sometimes not directly city/solid waste services portfolio which can make it hard for municipalities implement reuse in civic facilities
1682	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	7 for medium , 1 for high
1683	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Where to recycle? Knowledge of places to donate
1684	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Organizations are available for clothing swaps and accepts intimate clothing and socks like threadup - they exist but they are hard to find
1685	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There’s an organization that accepts intimate clothing
1686	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	People wait for events because they are ngos w limited resources and it’s not 9-5
1687	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If city of vancouver has a website with a list of NGOs too can be helpful
1688	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	For clothes, the website said you can find donation bins with no resources
1689	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	A google asset map would be helpful, but since there is a lack of information, people usually give to value village which has its own ethical concerns
1690	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Some far-off locations are in marine drive, which isn't accessible by transit & we have to pay for larger items
1691	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Wondering if the city can be responsible intermediate
1692	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Things that could make it difficult: time, capacity, proximity, accumulate a large amount which is tedious to take through
1693	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Apart from ngos - are there services provided by the cities?
1694	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	What do you mean by easy and difficult?
1695	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Wondering if they can work with shops to collect recycling - like H&M but not exactly?
1696	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Does textile also include shoes? Multiple compositions of materials
1697	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Couch? Car seat?
1698	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	What would push more people to use asset maps and make it more accessible in terms of rules and regulations? What kind of psychological barriers could there be?
1699	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Wondering how we can target people who just dont wanna recycle? Punish? Penalty?

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1700	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Special textile collection bin: regular green bins go out everyday but sometimes when there extra leaves during fall they have special programs, this could be a special program. Seasonally people change their wardrobe so they can pick up every 3 months
1701	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Donation bin things are picked up but concern for bed bugs and what can and cannot go into a bin, similar to plastics
1702	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Asset maps for donation bin similar to the Food Assest Map by VCH (https://www.vch.ca/en/service/food-asset-maps) can be very useful. Should include info about time and day that is emptied is useful so it's not a burden on the community it's servicing by being overful/unpredictable
1703	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Someone commented they live near diabetes canada donation bin and is always overflowing
1704	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Do not recommend a bin for every house because it gets dirty and not necessary, one for every neighbourhood, always overfull. Plus it promotes more buying by giving individuals the feeling that they are doing enough by recycling.
1705	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	After asset map is created, can identify where there is high concentration and deserts so they can identify where the need is. Adding bins to places that already exist - MEC, Uniqlo
1706	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Rebound effect since recycling is more accessible then people will start buying more since there is a solution to overconsumption - how can we stop before we reach to the recycle stage
1707	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Concerns about recycling different kind of textiles and materials and how this is difficult
1708	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Recycling fabric made of different compositions is difficult
1709	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Lack of knowledge of where donation bin clothes end up, value village clothes were tagged and traced to landfill, so it seems performative to donate your clothes. It is problematic, the lack of transparency about where clothes are going
1710	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It would be great if there's in-person places considering age and access/comfort using internet - could be at community centres etc which could include folks that cant access the community centres
1711	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	If people dont wanna go to community centres, pamphlets and brochures (recycleBC has a visual one that's accessible)
1712	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Thinking about people who don't care and need a mindset change
1713	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Incentivised plastic bottle recycling also caters to people who don't care
1714	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Building this into textiles too as a business model
1715	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Upcycling too is quite popular and this can be introduced
1716	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Wondering if including a fee at purchase can adversely impact people who buy long term and infrequently
1717	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Cup fees discriminated against low income because price has increased for those folks, who is supposed to take responsibility
1718	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Reward instead for someone who buys second hand, partnering with city of vancouver
1719	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Mindset change of buying new things is special - people look down at buying second dow
1720	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Upcycling useable is intuitive but upcycling goos thats not useable is a bit trickier like scraps of clothes
1721	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Individual focused strategy over industry, the organization should take the responsibility and not the end user.
1722	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Low: Feel like in the pyramid is low. The action is very broad. Can connect with other aspects
1723	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	When it comes to sustainability, not in a vacuum. How can we go back to encourage reduction or waste
1724	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	People might be incentivized to buy more to recycle more, could backfire in theory
1725	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	If metrovancouver actually puts the money into it, it could shift my priority
1726	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Agree in grand scheme Rethink and reuse more important. If just thinking recycling, would go medium or high

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1727	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Education is important, but incentivizing is more important. People not rinsing their cans before recycling, might be incentivized by trends or fun
1728	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	There's always going to be more recycling, focusing on higher parts of triangle better (on hierarchy and goals). We have a piece of puzzle to play even if hate greenwashing. Play a role rather than dumping on side of the road
1729	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	In theory, only change behaviour by incentivizing. Behaviour change happens when punishment happens for wrong thing.
1730	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Wall of fame and wall of shame, If people fear embarrassment more than they like being worshipped
1731	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Example of uni in Amsterdam where they banned recyclable cups then introduced reusable cups
1732	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Don't make it only about recycling
1733	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Make it more feasible for nonprofits to make it easier to support for example community gardens. So align with values that they want to reward for it
1734	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Seen places where the recycling all goes into the same bin, its all an illusion. Should punish businesses who do it poorly. Incentivize those who do it well
1735	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Half the time its only recycle or landfills
1736	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Behind the scenes will be more impactful than rewards. More work needs to be done before reaching this action. Ex. Education. Recognition and reward feels like the last part
1737	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	It's the cherry on the top, can do a lot before we get there
1738	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I know metro Vancouver had a master recycling program where you could tell it to your coworkers
1739	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Could be apartments or workplaces - could be friendly competition
1740	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Thinking of recycling hall of fame
1741	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Maybe a stamp card to redeem something for
1742	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Was designing sustainable hubs program for ubc program, hard to recognize people or reward them if you don't incentivize in first place
1743	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If you give reason and motivation to contribute to bigger problem would help move the needle
1744	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Have little steps that lead to something and broken down could be something

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1745	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's interesting to ask how easy or difficult it will be. More time it takes to do something will make it harder
1746	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Honoraria could incentivize
1747	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Different housings might make a difference ex. Coop or townhouse
1748	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	When i went to a recycling center they turned me away because i didnt have a car
1749	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Making it easier for youth who don't have cars would make it easier
1750	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Could work, lots of research that shows stories
1751	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Difficulty could make it harder for normal people to participate
1752	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Should be accessible, should be something that isn’t insanely difficult, being a good citizen
1753	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The area that metro Vancouver takes care of is so large, hard to imagine how much of an impact it will make
1754	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	On an individual scale not realistic, maybe neighborhood, community more realistic
1755	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Champions that represent a certain community - how can i achieve this greater goal
1756	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There's always people willing to volunteer like biking for fun, maybe something day-related to recycling like earth day using passion and community
1757	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Bit of a distance between myself and metro vancouver.
1758	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	By municipality: Having events or competitions - how much did burnaby recycle? Richmond recycle?
1759	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Having stats to communicate that story, how individual actions led to big result and capturing those pieces

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1760	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Many people feel like their contributions wont be enough or valid. Actually seeing how actions make a big action would be incentive
1761	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	One thing ive heard from my friends that help is having volunteers at big events to help with sorting. People who go there learn something new AND recycling actually gets sorted
1762	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Like a live demonstration or certification, leaders who you can contact and ask questions to and act as a point of reference. Someone to coordinate and keep track of. Don't want to spoon feed
1763	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Partner with businesses and incentivize with products like a transit pass, something tangible that represents what they re doing
1764	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Refilling glass containers items with soap or shampoo. Would represent circular economy values. Ideally not in a world where not everything in its own packaging. Depends on what it looks like
1765	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If picture on website kind of lame
1766	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Like the idea of moving away from individual to community or collective actions like neighbourhoods or communities. Adds an element of fun competition between different neighbourhoods. Makes it less difficult to recycle
1767	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	A coworker of mine told me that when onboarding to apartment building the concierge will give overview of how to recycle. No messes, well sorted
1768	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	It's really disheartening when recycling all ends up in the same truck even after sorting
1769	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Other Strategies/Actions engaged on?	Where is the recycling going?
1770	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Other Strategies/Actions engaged on?	Transparency being last on priorities is not helpful. Apathy towards recycling is similar to not wanting to vote
1771	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Did they include more information about this?
1772	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	How do you measure who recycles best?
1773	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Seeing money being invested in whatever program they want to do
1774	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Triangle says recycling into new products
1775	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Seeing metro vancouver's logo on partnerships/programs
1776	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Currently, all proposed actions under section 1.1 (Advocate for circular economy policies) focus on advocating for change rather than leading on change through action. Metro Vancouver should set out clear actions that demonstrate leadership and move the region towards a circular economy in a tangible way. For example,
1777	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Someone is keeping an eye on it to keep it regulated/legitimate
1778	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Time & effort to do these things. Everyone is busy. How long does it take? Can become a barrier
1779	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Discouraged by people who are 'bad recyclers' When showing downstairs neighbours, got confused how to recycle
1780	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Want to see education efforts to people who are brand new and have been
1781	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Feel like it would be interesting, when doing glass sorting seeing where neighbourhoods it came from. For those recycling well, being rewarded with incentives
1782	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Could be a barrier for poor vs rich communities who have time to be involved
1783	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Using % improvement to compare instead

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1784	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Transparency for monetary rewards
1785	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Sitting down with municipalities with clear systems of how to record recycling
1786	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Open access for the public, accessing data for school or community research. See the numbers, so much power in data
1787	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	We've mostly been speaking about individuals but also want to think about events, theres lots of single use items. Some will get recycled but lots will go to land waste
1788	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	If could include sustainability and recycling as criteria for grants and relationships with funders/access to more funds
1789	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Easier to make larger scale impact on events. In stadiums for example or city of vancouver events
1790	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	This seems like the first step but the targeting step is the first thing that takes place
1791	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	It's inconsistent across municipalities so this action should be high priority. Long terms goal is that it's streamlined across municipalities
1792	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	If all plastics were recyclable, people wouldn't be as confused
1793	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	All agree it's high priority - it needs to get done closer to beginning of plan being implemented. The first step in knowing how to fix a problem is knowing the problem
1794	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Most people don't bother to look up what can be recycled
1795	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	People already involved in events like this focus group already have an interest
1796	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To make it easier, research should be in places where there's a lot of people. If people are on their way to something it's hard to get people to stay and talk - will people respond differently if they know they're not selling anything or trying to sign up with anything?
1797	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There are problems with how businesses handle recycling, like at McDonalds things all end up in one bin
1798	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Metro Van handles landfills but municipalities decide how waste is collected - there are differences in how they build laneways - some have crews, some have trucks with claws. Some lanes aren't long enough for a truck so they have to do manual collection
1799	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Technically all waste is under provincial control - technically Recycle BC handles all recycling - they come out to municipalities and say how to take care of it, but they subcontract it out to waste management and collection services
1800	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Each private contractor has its own way of collecting, but I'm pretty sure it all goes into the same facility
1801	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Many (every?) municipalities do a waste audit - so they go into garbage cans/bins, look at what items go into the bins and are they being sorted correctly - what type of waste is ending up in the garbage, and look granularly at what could have been recycled
1802	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	That data could be a starting point to determine what's often sorted incorrectly. The foundation is there
1803	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Biodegradable things and "compostable" things are actually garbage which is frustrating
1804	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	I know there are four streams existing - single family, multi family, industrial like businesses and restaurants, construction and demolition; Industrial has the lowest rate. Target was 40% but they barely met it
1805	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Ocean Ambassadors, a non-profit, had an initiative where you could get them to reach out to businesses to get them to reduce their waste or recycle properly - try to work with businesses to make things more green
1806	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Can we recycle plastic-lined aluminum apple sauce lids?
1807	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Do people recycle differently based on context? Ex. If they live in one city and work in another, how do people recycle at home vs at work? There are differences in access to recycling bins/signage
1808	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Sometimes there's not many recycling options even if there are bins. I know soft plastics are recyclable - is someone taking those to a depot?

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1809	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	What could the format look like? What's Metro Van's capacity? Enough budget? Market research costs money
1810	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	What's the scope/timeframe of the plan if they're looking into these results?
1811	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	This action seems like a "bandaid solution". When are they going to review this and make recycling more streamlined across Metro Van?
1812	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Richmond doesn't seem to have a lot of people using public programs. Do people from different groups or demographics go to the library?
1813	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Need multiple strategies to target different groups - all age groups, people in different building types - what if you're in a neighbourhood not a strata or building? Could someone come with or instead of a garbage/recycling truck to talk to people?
1814	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	City websites are confusing to follow - lots of policy and text - where does it go? What is the story?
1815	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	How does this integrate with the other actions? Would it all happen at the same time?
1816	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Fundamentally - Metro Van is responsible for the waste - if that's the case, why are things so fragmented?
1817	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	This is supposed to be "Metro Vancouver" but within it different municipalities have different rules - if that's disjointed, then how will the new plan change things? Similar to transit - how bus stops are designed is different in different municipalities
1818	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	What's already happening in the region? There's a lot of tasks and a lot of links between them
1819	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	We spend a long time trying to figure out what goes where but why are we doing that if it's all going into one place anyway?
1820	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	Is this work that needs to be done? Is it already getting done? Is it Metro Van that should be responsible for this?
1821	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Dot survey (ex. "Which items do you find most difficult to recycle?") would be easy, simple, and quick
1822	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	There was a program, zoning or public park or something, and at a public library in burnaby they had an open 'suggestion box' you could put your thoughts in. Consider public consultations where you're not in a rush and can quickly give your input and continue on your way - good way to get to lots of the public
1823	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	People live in a building they recycle in the building - maybe it would be more useful to approach a strata to find out what they're doing as opposed to individuals
1824	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	People picking up recycling are specific that if it's not properly sorted they'll leave it behind
1825	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Burnaby seems to be one of the most strict - cracks down in terms of enforcement - they have people there that can answer your questions
1826	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Whoever's in charge of handing out those letters - talking to bylaw officers or working at the recycling depots that get asked the most questions - they could be a good resource. They know what people try to do
1827	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Talk to the sanitation workers that collect the trash and leave the letters
1828	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It'd be nice if we could know where things were going. Like those impact bracelets where you can scan it and follow a turtle
1829	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	If people knew where materials were going and not just the landfill they'd be encouraged
1830	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	We don't know what happens to stuff once taken to the depot
1831	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Additional feedback	Food Forests should be in the plan to increase circular economy with composting and growing your own food
1832	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Additional feedback	Limited visibility of what options are being looked into. Would like to see more
1833	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Additional feedback	5th tier: more clarity on what is meant by resources for alternatives to fossil fuels (like metals recycling for solar panels??) - this would also help to engage industry leaders.
1834	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Additional feedback	Need to be more transparent with recycling practices, need to set more strict regulations for bad recycling but also incentives for good recycling. show incentives with things that the city can offer, like grants for sustainable events / events promoting sustainability
1835	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Additional feedback	I would be interested in learning about the other actions that were created and why the 3 actions we went over today, were chosen.
1836	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Additional feedback	These are great actions but I do think they need to be more detailed in the actions. For example, how are they going to go about these actions. How are they going to be accountable towards these actions?
1837	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Next Steps	None of us knew the plan update was happening
1838	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Next Steps	People don't know even though they're actively involved in trying to recycle
1839	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Next Steps	Terracycle - the founder has a book talking about post-consumer recycled materials and the future of recycling
1840	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Next Steps	It'd be good to get updates about how the plan is coming along and what actions were chosen as highest priority
1841	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Next Steps	I don't think there's a way to sign up for updates but there should be. You shouldn't be making people search for the information - if they're interested it should be sent to them "do the work for them"
1842	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	If every equity-deserving group is only providing feedback on a few uncoordinated actions, how does this impact the waste management plan in the long-term? What changes are possible/expected?
1843	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	Questions and Comments	What are you supposed to do with broken glass?
1844	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		What is considered compostable is a key policy piece to work on

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1845	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consistent regulation for recycled material is important
1846	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Concern that the administration cost would result in a need to increase taxes.
1847	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		This could have the biggest impact if done correctly without increasing cost for government and business.
1848	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Prefer incentives instead of regulations.
1849	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		If we want to put in regulations, we need to make sure they allow the industry to make money, or a least not lose money.
1850	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Concerns about the impact of regulation on the cost of housing.
1851	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Suggestion that it would better to increase the cost of C&D disposal to encourage diversion of construction and demolition waste.
1852	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Eliminate food waste would be positive
1853	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Need to make sure there are no liability implications with respect to donating food.
1854	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Making it a requirement to donate food could help.
1855	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Need to paint a picture of what this looks like as it is unclear what this means.
1856	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		The implementation of regulation is key. The approach needs to keep the cost for government and business down.
1857	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Comment that the practicality is difficult – how do you gather the data to then get a scorecard for people?
1858	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Hard to do on a personal level where it's the most beneficial. Easy to get data collectively but that's not as effective.
1859	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Good idea but not sure how many people would show up.
1860	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Should go to schools – especially upper high school to show them what to do. Grade 10-12.
1861	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Hard to tell a 30-year-old what to recycle. Start them young.
1862	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Make it more targeted – not general but more targeted like schools.
1863	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Could create AI strategies for answering questions firsthand instead of hiring people to do this.
1864	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Must be intuitive. We don't have to use people / do in -person. Use other methods.
1865	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		We can have this action, but it shouldn't be in person.
1866	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Important for strata's to know what they're supposed to be doing.
1867	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Low support for this action.
1868	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		It only works if there is somewhere to recycle these materials
1869	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		If there's a market for it, I'm 100% for this.
1870	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		We can't create a ban just because we don't think it should go in a landfill – but it needs to be able to go to higher and better use, or it's hazardous in the waste. Don't ban just for the sake of banning it. We need a rationale. Need to include these criteria in the action – i.e. at what point would you introduce a disposal ban (currently the action doesn't specify)
1871	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Also consider whether materials are problematic in landfill or not. Materials that are not as problematic should be lower priority for adding as a ban.
1872	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Add "Continue to" at the front of the action, to say that it's something that is already happening now.
1873	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Good idea but depends on implementation and what those incentives look like.
1874	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		There are limitations in technologies that would assist haulers to participate. For example: cameras – way to scan baled cardboard and plastics to see moisture content, density, etc.
1875	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		I don't need Metro Vancouver to give incentives to me to have a broader list of services to provide to customers. I do that on my own as that is good for business.

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1876	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Who could be against incentives.
1877	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Does the fine actually help to divert waste or does it just increase revenue to Metro Vancouver?
1878	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		It's not going to change behaviour because you have several customers and buildings in one load – it will be impossible to find out where the one clear bag came from.
1879	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		What happens after the fine – do we then remove the recyclable item and divert it?
1880	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		The disposal bans are most effective for small customers who are bringing in their own materials. However, those customers are a large percentage of customers but a small percentage of the waste.
1881	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		What kind of success are third party reuse agencies having? What examples can you point to make it easy to understand the programs and approach.
1882	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Need more public education about reuse opportunities.
1883	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Really interesting concept – longer life model (like reusable glass bottles) is desirable.
1884	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Could be tied to ID050 – schools and universities would be a good place to launch pilot programs. Youth might be more enthusiastic about a pilot, passionate sustainability advocates.
1885	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Control is important to ensure a successful program.
1886	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Having one spot with re-use businesses together might help with uptake – communal collection place.
1887	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Has it been successful, is it gaining any traction? Would like to see the metrics about how the existing program has worked.
1888	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Having the opportunity to salvage on site may increase uptake (e.g. success of city-wide garage sale events– community has the opportunity to pick up used items from their neighbours before the city comes to pick it up.)
1889	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Clearer messaging and promotion of the existing reuse days needed.
1890	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Make sure there are easy places to take materials they are no longer using.
1891	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Not clear what it means – need more information.
1892	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Provide examples, how would this actually work?
1893	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		There is a lot of industry greenwashing and this action would help address this.
1894	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Why just coffee cups -- e.g. Tetra Pak and milk containers are missing
1895	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Very difficult to implement.
1896	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		No clear definition of recycling.
1897	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consumers have a difficult time properly grading plastics.
1898	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Lead by example.
1899	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Should include concrete and others, don't limit to compost.
1900	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Should include supporting regulation for the purpose of incrementally increasing the amount of recycled material, based on a percentage.
1901	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		How effective can Metro Vancouver be with this given the broad market.
1902	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Should be more focus on education.
1903	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		This is beyond the scope of Metro Vancouver's responsibility. But should focus on advocacy.
1904	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Should focus more on regulation. e.g. a minimum percentage recycled content
1905	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Advocate senior government for supporting regulation.
1906	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Be realistic – Metro Vancouver is only one player.

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1907	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		It's challenging.
1908	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Only worthwhile if there is market demand.
1909	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Should focus on alternatives to foam and plastic packing materials instead. e.g. shredded cardboard
1910	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		An inherent problem with EPR programs is that they are too downstream.
1911	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		New industry needs support to catch up to existing established industries.
1912	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Need to strengthen definition of recycling.
1913	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Not an issue of government funding, issue of establishing the right priorities. i.e. where money is being spent is the issue
1914	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Need government funding to support the private sector's advertising and promotion of their initiatives. i.e. shift existing government funding to private sector
1915	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Should not rely on government funding.
1916	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		This is a low priority.
1917	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Worthwhile to ensure these materials stay out of municipal solid waste.
1918	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consider having more EPR programs in place before this action can exist and be effective in the system
1919	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Accessibility to textile recycling will increase if there are end markets for the materials and EPR programs that help with this
1920	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		This action could include multi-family residents easily by having a recycling champion on each building, or working with property managers to include the encouragement through signage in the building
1921	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		The success of each multi-family building being a champion could build community around being a green conscious building
1922	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		How do we tackle this in single family homes? How could a reward system work for them?
1923	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Combine this action with 135 so it outlines the objective of this action better and the customizable tools to be the way to achieve it
1924	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Could shorten the list of actions by doing this
1925	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Combine this action with 135/136 to bundle the objective of providing clear guidelines and centralizing information sources
1926	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		This feels like a very high-level action, whereas action ID 142/131/135 seem to be the actual actions to take to make this action happen of providing clear, consistent guidelines on what can and cannot be recycled
1927	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consider combining into one action that encapsulates the objective (clear and consistent guidelines, and the tangible ways to do that)
1928	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Standardizing materials will make it easier, but does this action mean doing this by collaborating with EPR programs with signage for accepted materials and education?
1929	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consider creating a potential working group for EPR program leads and Metro Vancouver to collaborate on to ensure consistency
1930	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Does something like this working group already exist? Is there a working group for the Regional Districts that exists to discuss EPR programs?
1931	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Make this action most effective by having the residents in the building be the ones to educate others on how to use the recycling room correctly
1932	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Added space will be very valuable in the future as more bins are potentially added to some municipalities (i.e. flexible plastics in Vancouver) – will need more room
1933	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Update action to have more clear language around what access requirements mean in this action
1934	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Specify what type of knowledge sharing, or how to best implement knowledge sharing between Metro Vancouver, members, and industry
1935	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Integrate this action with the Waste Wizard if possible, should be easy enough to add these layers of accessibility to the existing Waste Wizard to improve it
1936	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Encourage all existing apps to include accessibility options and multilingual instructions in QR Codes rather than creating a new app which could get lost in how many currently exists
1937	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Change language to specify if it's "which" organizations or "how" organizations are handling materials

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1938	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Would this action call out each organization? Or just in general have a type of material and how it is generally handled in the system?
1939	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Could include “which” and “how” to expand on this action
1940	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		This action is only for very specific audiences like school tours or NGO’s – not as applicable for industry
1941	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Focus more on making the current databases less confusing for the users
1942	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		There is a lot of redundancy and deficiencies in the current databases (Waste Wizard and Recyclepedia)
1943	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Would be best to focus on making ONE app that does it all and has all materials where they go and what happens to them after (lifecycle process)
1944	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Specify what materials this action is referring to (compostable vs. bottles)
1945	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Educate the residents and customers on what efforts are being made to divert materials from landfills
1946	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Currently industry businesses spend a lot of time researching materials and where they go so that they can create communications for their customers to build confidence
1947	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Would be nice for Metro to put this together for industry to use
1948	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consider including items like cooking oil and parmesan cheese (products that come off cruise ships)
1949	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Fibre disposal industry – gets the wrong materials all the time (e.g. raw meat)
1950	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Consumers seem to think it’s just easier to pass on the responsibility to industry rather than doing their own diligence to find out where to properly dispose of materials
1951	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Education could be helpful to reduce the confusion and reduce the mentality that it is easier to just put on the industry to deal with, which ends up being costly for industry
1952	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Don’t include waste collection in these events.
1953	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		“Significantly increase”
1954	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Based on performance metrics.
1955	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Continuous improvement.
1956	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		“Explore” is vague, can this be more specific and actionable.
1957	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Missing actions: household hazardous waste and bulky items pickup days.
1958	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		What does “support” mean? e.g. funding?
1959	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Ineffective.
1960	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry		Too back end, need to focus on upstream.
1961	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Clarity is needed on what wood is considered “unsuitable” for reuse or recycling/composting. Are we only talking about painted or treated materials that cannot be composted?
1962	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	The text on the slide refers to “unsuitable for reuse or recycling” and dimensional lumber could technically be composted. We should clarify the language if we are actually talking about wood that is beyond what can be managed at processing facilities.
1963	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Consideration should be given to how we can build composting capacity.
1964	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	A significant amount of laminate flooring has glue, and that should not be burned because it can become toxic.
1965	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Metro Vancouver has not shared provided sufficient detailed information sufficient to understand the costs of various disposal options.
1966	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	There were a number of ideas that have been identified as considered unadvisable by staff, but it was not discussed with the Industry Advisory Committee. For example: “replace source separation programs with mixed-waste collection and sorting programs” was marked as unadvisable, but we have not seen fulsome information shared with the Industry Advisory Committee comparing mixed waste processing with source separation programs.

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1967	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	The ideas considered unadvisable by staff – this is ideological and irrational, specifically around privatization. There are no activities that cannot be performed privately, and everyone is being told this is not an option to explore, simply because Metro Vancouver exists. The private sector could provide services with appropriate regulation in place.
1968	7-Oct-25	Workshop Notes	IAC - Solid Waste and Recycling Industry Advisory Committee	Waste and Recycling Industry	Questions and Comments	Performance is a subjective measure. The reality is that the private sector can achieve the same performance, particularly with regulation in place that imposes the same rules, and the private sector would assume all associated risks, but Metro Vancouver is not letting this happen. The system would be more robust if run by the private sector compared to the public sector. Metro Vancouver should have considered and researched privately run systems, and not suggest that it is up to committee members who participate on a volunteer basis to provide that information.
1969	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How could this (content Metro would share) reach you better? Where does the messaging matter most? Any other considerations to add?	I don't know about me, but I do wonder about the children. This is a long-term project, we should think of those who are living with the mess. Generally curriculum is not directed municipally, it's a provincial thing, but if Metro Vancouver can introduce and reiterate the importance. No non-reusables in schools.
1970	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How could this (content Metro would share) reach you better? Where does the messaging matter most? Any other considerations to add?	I think this should be a high priority because these programs are essential if we want to reduce waste long-term. Especially younger generations who are not aware. Many youth are opening up small businesses like coffee shops or matcha shops, and are only using single-use plastic not offering re-usable cups.
1971	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How could this (content Metro would share) reach you better? Where does the messaging matter most? Any other considerations to add?	I don't think enough people know about reuse, repair, and refill. But, if we can convince the community centers and the neighbourhood houses to advertise repair, and the reuse events that are going on.
1972	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How could this (content Metro would share) reach you better? Where does the messaging matter most? Any other considerations to add?	If we had a schedule at each community center, so people would know what's going on, that could help.
1973	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How could this (content Metro would share) reach you better? Where does the messaging matter most? Any other considerations to add?	I want to add in, we should do the pop-up recycling so when people are bringing in recycling things we can say, AND, do you see the schedule of repair and reuse that's going on
1974	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How could this (content Metro would share) reach you better? Where does the messaging matter most? Any other considerations to add?	Get them started with the easy stuff - bringing in your plastic bags or batteries, and we naturally educate them on the next level they could go to.
1975	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How could this (content Metro would share) reach you better? Where does the messaging matter most? Any other considerations to add?	Further to (the other person)'s point; anywhere people gather - Churches, sport clubs, the education is consistent, and ever-present.
1976	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	High : 5, Medium 1
1977	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	Does this mean marketing the best practices? I am in support of it if they're marketing them.
1978	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	The action should be more specific - what does sharing look like, how will it be tangible?
1979	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	It's so difficult to identify the priority on it, there's 200 strategies, and we're only looking at 2 of them. I can't say the priority, I can't answer this poll.
1980	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	It's important to get the information out to the widest range possible. The more people who knew about it, the better. There can never be too much publicity about reuse, refill and repair. How to go about that, I don't quite know.
1981	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	The sharing has to go hand in hand with not thwarting anyone's efforts either. If you learned it, want to do it, but can't figure out how or where. It's frustrating and you won't try again. It's expensive - the advertisements on the sides of buses.
1982	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	There's strong encouragement for this action, although participants ask for more information on what it is being prioritized against.
1983	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	Participants want more specificity in the action; where will they be shared? How will reach be measured, how will success be measured?
1984	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	There can never be too much publicity about reuse, refill and repair. Engage with community centres, neighbourhood houses, libraries, businesses to reshare and promote the best practices.
1985	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	Try to have consistent messages shared everywhere from sports clubs to churches, etc.
1986	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	They should define what the low hanging fruit are. We assume they've been communicated and dealt with - as you say, we have a really high recycling rate. But, they should pick one thing - say, for the next couple of years - one thing that they think would make the biggest impact on reducing or reusing. They should communicate that. I see things from RecycleBC in my Instagram feed, and elsewhere. I see various things from the City, but not very much from Metro.
1987	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The Refillery closed in my neighbourhood, and I have not been refilling anymore.
1988	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I would refill everything honestly, and I used to, but I'm in the same boat as (the previous speaker). NADA closed down, another one that had a refill station closed, the one in Port Moody ended their refill program a week ago. It used to be more accessible, now it's really difficult to find where to refill things. For me, I would do it (refill) if more places were available. I would use it, I really miss it.

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1989	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In terms of repair, the accessibility is where, and how often do they do the Repair Cafes, and how well they advertise to the public?
1990	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	A quick thing - typically refill places are your local small business; what I hear from my friends is they mostly go to Costco, especially ones with big families. So they have said - if Costco had that (refill) option, I would use it. So if I have to go to Costco AND the refill place, I don't have the time, it's very inconvenient. So if we could take supermarkets, Costco, big places to set up a station, that would maybe entice people who are already going there.
1991	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	One thing with my Build local Community is I send out a newsletter twice a month with fun things, good news in Vancouver. The most recent one I sent out was the next 3 Repair Cafes.
1992	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think we should be doing Repair Cafes a LOT more frequently. It's only once a year in most of the community places.
1993	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	One of the things I found with pop-up recycling is I do it the same time EVERY week. If you try to do it once a month, people always miss it. So, we've got to be much more accessible that way.
1994	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The other thing is, the refill part, people have to really change to want to be able to do that. If we could recycle the containers more effectively, that would be great. Like single use coffee cups, why doesn't the city have the municipal (recycling) bins for containers on Commercial Dr. where we have all these coffee shops? They're on the West side, but not where we really need it.
1995	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I know many of the stores I have gone to used to have refillery, and they don't know. Safeway used to have bulk foods, and now they package everything in hard plastic.
1996	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Refilling is a great idea but doesn't work that well in practice (due to the health & safety issues).
1997	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Some kind of incentive from the municipality to open businesses like that (refill) is necessary. They create foot traffic and are great for the economics of a neighbourhood; when you refill you're walking by other stores. It makes good sense for the other businesses and services.
1998	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To go back to repair and reuse; I've heard some libraries don't get used much anymore. There may be space there. Could some of our underused libraries accommodate reuse and tool sharing, and hosting of the repair programs? Maybe not large things, but the small things. Facilitator note - in Europe, quite a few of the book libraries also have tool libraries.
1999	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Most people look for convenience and unfortunately, refilling takes an extra effort that not everybody is willing to do
2000	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Before Covid, refill was getting some momentum but people and businesses got scared and there were also regulations to prevent containers from being reused
2001	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It bothers me that every time I finish a pill bottle, nothing is happening with these perfectly reusable pill bottles. Surely they could be sanitized and reused without being melted down, rebuilt, everyday. Facilitator note - Recycling in health is much more complicated.
2002	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Before COVID, my pharmacy would actually take my empty container and refill the pills for me. After COVID they said they can't even touch those.
2003	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's noted that Metro Vancouver's marketing on waste / recycling don't have the same reach that the City of Vancouver or RecycleBC have. Where is Metro already sharing resources, via social media?

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2004	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	COVID health concerns changed the refill landscape. Could Metro collaborate on publicizing the Health advisories that reassure businesses that refill can still be safe and sanitary?
2005	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's reiterated a few times that businesses need to be reassured that they can refill and reuse, from restaurants to pharmacies.
2006	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Small businesses offering refill struggle to stay open. Many have closed in recent years. This makes the behaviour less accessible, even for people who strongly identify with and advocate for refilling.
2007	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Boutique refill / small business refill offerings don't make a dent in the purchasing at bigger box stores, e.g. families who shop at Costco need refill options at Costco.
2008	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	More frequent and more publicity for Repair Cafes. Do one every week, at the same time.
2009	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Questions and Comments	Can libraries participate in hosting refill / reuse programs?
2010	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	What is MOST important is to communicate what's available. It's really difficult to get that out. But if Metro Vancouver can get this on a webpage, ad directory, all the places you can repair and refill. And everyone else can point to that.
2011	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I say this every time we have this discussion - why are there not more recycling facilities at public meeting places, like the Plaza at Riley Park? Which has a farmer's market every year. NO recycling facilities - so what do they do? They put it in my compost bin. We need to talk to the Parks Board rather than Metro.
2012	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consistency - Metro improving consistency - in public areas, the inconsistency between what's available for recycling at, say, the Sheraton Wall Convention Centre - no organics - whereas at the Canada Place Convention Center there's organics recovery.
2013	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It's just the availability, and always - having a consistent message out there.
2014	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Also, coffee shops. It's very upsetting that coffee shops with ceramic mugs give their drink-in customers disposable cups still.
2015	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	You can be sitting inside a coffee shop and more than half the people have the disposable cups in hand instead of the ceramic ones available.
2016	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Advertise Repair Cafes on social media.
2017	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Ceramic mugs should be the default at cafes
2018	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Bylaws mandating coffee shops to use ceramic / reusable as opposed to single use, as default, and things like that. Things with a little more teeth, a bit more action in them.
2019	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	The recruitment of one of the local coffee chains, not thinking corporate e.g. Starbucks is international - JJ Bean is still very local, for example. It would be great to see the person taking the order bring out a ceramic mug first, so the customer can say oh no, I want a disposable. But if the ceramic is offered first, they'll (the customer) probably take it if they're staying in.
2020	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It's really important to get the City to accept the single-use containers. They do have the blue (Streetscape) bins. They should have them at every block on Commercial Drive.
2021	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	At Continental Coffee at 2nd and Commercial, they had a big garbage bin, and people were just throwing their stuff in there. I talked to them and said, if I have a blue bin here and collect these things, would that be okay with you?
2022	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I've been doing that for months now, and I get hundreds of these things. And that's just me doing it because I can't emotionally see all that stuff going into the landfill.
2023	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	The City, gosh darnit, should have single use container bins in all of these places. I tried to do it myself, personally, to set up the bins, and JJ Bean, really thought it was a great idea. But the city said no, there's tripping hazards, what do we do about keeping things clean. They're more interested in not having to worry about it than doing the right thing.
2024	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I'm telling you, it's the waste management that is not yet doing the right stuff. I'm really trying to get the City of Vancouver to work on this, because people love what I've been doing on Commercial Drive.
2025	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	There are public meeting places with no recycling bins. How can the region or municipalities work with venues to implement better recycling accessibility? This is named as absolutely necessary in the streetscape.
2026	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consistency is touted as an important strategy; e.g. organics recycling both at businesses and home.
2027	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	More advertisement of Repair Cafes is mentioned, in particular on social media.

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2028	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Ceramic coffee mugs should be the default at cafes. Can this be regulated? Can Metro evaluate what makes it difficult for cafes to implement ceramic mugs as the default, and share best practices for how to do it?
2029	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	One participant has a pop-up recycling initiative they've been doing on Commercial Drive to divert coffee cups, and they've collected thousands of cups with fairly nominal but consistent effort. How can Metro Vancouver recognize, incentivize and promote this kind of volunteerism?
2030	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	High 5, Medium 2
2031	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I get a lot of experience with the pop up recycling, people say "I'm told this all goes to Asia or is put in the landfill anyway"
2032	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I find that the plastic is turned into pellets they can use for 3D printing. The styrofoam is processed for construction material.
2033	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The batteries, 95% of the elements can be reused, and the batteries are much more valuable than the ore where the original elements come from.
2034	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If we had a list of all these things, how they were used, and what happens, that would help.
2035	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	People are frequently willing to LISTEN to what I say, but whether they really believe it? If we were privy to that, and it was very available, "this is what we're doing currently" - and the wonderful thing is technology is improving all the time, so we can do more with these materials
2036	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	People are getting more optimistic. I'm really extroverted and am trying to get people into it, but people are feeling the excitement that things are getting better. You can't just listen to the news that says here are all the bad things that are happening.
2037	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Metro Vancouver, carry on with the practice of making people aware of the composition of the materials - of solid goods that Metro Van purchases.
2038	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Here's an example - I really like it when I see labels say "this garment is made out of 30% recycled materials". Metro Vancouver is a purchaser of a LOT of things, at least if Metro Vancouver makes a point of displaying or stating on any large object that it purchases, how much of it is made of recycled material; people will get the message that recycling is worthwhile.
2039	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	What if any new home has a new recycling tote, and the recycling tote itself says "this is made out of recycled materials" "your recyclables became this tote"
2040	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Transparency in the destination of recycled products is critical for consumer confidence. It will also help advocates and volunteers who are attempting to shift culture and encourage recycling behaviour.
2041	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There's no point recycling if there's no demand for recycled materials.
2042	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Extend transparency to the use of recycled content too - e.g. share statistics about the use of recycled materials in the region. E.g. if Metro Vancouver has a procurement policy for buying X% recycled, share that, share templates for that kind of procurement policy.
2043	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Consumers want to know how their recycled items are actually used, and that it's actually being put to beneficial use.
2044	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Demonstrate the use of recycled content in purchasing.

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2045	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	I CAN respond to this one. The other one was not - this seems to be a much EASIER way to get the message out. It's a GOOD NEWS and educational component. I really want to see this.
2046	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	It's easier to grasp. It's easier to hold. Of course we want to show you where your waste goes, and how it's processed. The first action is more general, more nebulous.
2047	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	I think we have to take time to talk about volunteer, pop-up recycling. This is something we can really do effectively. I've got years of experience doing it. I even have a sticker station that I use to entice people to use coloured stickers to vote on different things. Things work out really well, we should be able, as volunteers, to do this. Because it's really simple to do. Especially if we can do it at a location like a community center, or neighbourhood houses. I don't know if we could do it at schools, but schools would be great as well.
2048	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	I'd love to communicate with Master Recycler and get this sorted out. I am retired and have lots of time to work on this.
2049	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Greater transparency on the supply chain for recycling - where it goes, how it's processed, where it gets reused, and the use of recycled content - is seen as an important win, and a more tangible benefit than just sharing best practices (the prior action discussed).
2050	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	The participant with the pop-up recycling initiative is retired and interested in collaborating to propagate his model for collecting recyclables in community.
2051	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I thought, and I do see a lot from Recycle BC about what they collect, and they do tell you that a lot of it stays within British Columbia and gets recycled here, so I'm not sure what Metro Vancouver should perhaps be concentrating on the compostables that they collect, and how that gets processed.
2052	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	There's very, very few people who read RecycleBC newsletters, or Metro Vancouver newsletters. The messaging has to be more broadly shared.
2053	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I do see RecycleBC all the time in my Instagram feed. Lately they've been talking more about where the things they collect go to. I'm assuming that all the stuff in the blue box, the yellow bag, and the grey box, and they've started collecting soft plastics in certain municipalities and putting them in a pink box.
2054	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	(Facilitator) It seems to be going in all around Metro now.
2055	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	So when you go into London Drugs and take your soft plastics; theoretically this is going to be turned into something useful next time I go to London Drugs, it will be in the chain to become something useful.
2056	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	So, Recycle BC is telling me about that. So, where is Metro? They're involved beyond that, with what goes in the green bin, and where your paper goes.
2057	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It's just the green bin and garbage Metro uses.
2058	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Could they put more specific information on the side of the trucks? The garbage trucks, recycling trucks, green bin trucks. Huge area, we see them every week, they could put a lot of information there. It's in a form that could be easily replaced, like stick-on posters.
2059	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Give us up to date information on where it's going. What you've just put in their truck, where it's going.
2060	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	When I think of downtown Vancouver, you see so many of those trucks. They're rolling billboards.
2061	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	The new immigrant guides, having personally been on a bus and explained to new immigrants that we don't throw wrappers out. I can do this, because I'm Asian. I can go to Asian people and say "we actually keep our wrappers, and we wait until we get off the bus and go to the garbage can"
2062	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It's so handy being a person of colour that way, because I've also approached people who aren't yellow like me, I've gone to brown people, white people who don't seem to speak english. I seem to have that kind of license.
2063	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Maybe Metro Vancouver can hire people to do these kinds of jobs as well.
2064	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	This might be off topic, but can Metro mandate, say, Vancouver did put a 25 cent deposit on non-reusable coffee cups and cold beverage. If Metro did this - can Metro mandate, in addition to your logo, Starbucks or JJ Bean, can you put in 25 words in large type saying "this container can be recycled in British Columbia, just put it in your blue box"
2065	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Going to what the other was saying - people don't believe that recycling actually happens - perhaps you put some link or a QR code to a website that tells you what the recycling process is, for different materials.
2066	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It could save your municipality money and your taxes will go down
2067	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Make the people who are using it, contribute somehow to the whole system, beyond making the money on it.
2068	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I missed telling you about REUSE stories. I'm going to do it quickly. I went to my cobbler and asked if I can fix my shoes to give them to charity; the cobbler said no, I think they're on their last legs.
2069	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	But I'd really like to see Metro Vancouver point out our exceptionalism. Because, we are doing well compared to others, and it would be a way of refuting what is often seen by people in the media, that's actually national or international news, or even just not Metro Vancouver, about how badly things are done. Or how deceptive recycling is.
2070	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver is really trying hard, and we're not using deception when we share. We're not shipping to Asia our raw collected plastic water bottles. We're doing good.

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2071	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	So why can't we brag about that? And refute what's not true?
2072	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Celebrate our wins.
2073	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Even CBC knows, bad news is selling news. Good news is not always selling great. All the TV stations and papers are looking to show how things are actually not good, and not going according to what they're supposed to.
2074	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver should evaluate and communicate success of the compostable organics that are collected; there's no or little information on that.
2075	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It's noted folks have the perspective that the messaging is not accessible to the vast majority of people. What influential media businesses or individuals can Metro partner with to get the word out?
2076	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Suggestion to share on the sides of waste pickup trucks what the destination of the waste / recycling is. They're "rolling billboards".
2077	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Similarly, can businesses be encouraged to include messaging on e.g. the side of branded coffee cups, that this material is recycled in BC?
2078	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Can Metro Vancouver consider hiring people to be community educators, especially for immigrant communities?
2079	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver should be promoting how exceptional its recycling system is.
2080	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	In closing, please say a few words not about the two actions only, but how important is the whole engagement? Is it valuable, is it something hopefully can promote a better solid waste management plan and so on?	This is a much more effective event than I thought it was going to be. Thank you very much for doing this.
2081	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	In closing, please say a few words not about the two actions only, but how important is the whole engagement? Is it valuable, is it something hopefully can promote a better solid waste management plan and so on?	Ditto - I got a few things off my chest, and I had nowhere to put them before, so this was a really great opportunity. Thank you so much.
2082	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	In closing, please say a few words not about the two actions only, but how important is the whole engagement? Is it valuable, is it something hopefully can promote a better solid waste management plan and so on?	I'm also very curious what Metro Vancouver is going to conclude about the pilot program for the pink boxes. I understand in West Vancouver there's a curbside flexible plastic collection going on right now. Personally, I hope it works really well for them so that it becomes widespread. I run out of kitchen counter space for cleaning plastic bags. Facilitator - understand downtown and Kitsilano will get the pink box by March. And Recycling Alternative will be collecting it.
2083	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	In closing, please say a few words not about the two actions only, but how important is the whole engagement? Is it valuable, is it something hopefully can promote a better solid waste management plan and so on?	I'm glad Metro Van is doing something. That's encouraging. I'm also waiting for what they're going to propose.
2084	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Next steps	I am feeling really hopeful. I LOVE that Metro Vancouver is trying to do this, and engage with the community. A lot of these topics have been in my mind, and I didn't really know if anybody was doing about these things. This community outreach is great, you letting us know this is something that's a priority for Metro Vancouver, and that our voices are being heard, that's absolutely fantastic.
2085	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Next steps	This session was helpful and I gained a lot of insight and I will spread the survey to my fellow peers as well!
2086	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Questions and Comments	Does the solid waste management plan relate back to climate action?
2087	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What are people's favourite items to reuse?	Stand up pouches with the zipper. It seems I cannot avoid buying foods that I need and want, ALL in bulk, and I predominantly buy in these stand up zipper pouches. I wash and reuse them. I haven't bought a ziplock bag in about 20 years. I reuse them several times before they go into my flexible plastic recycling.
2088	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What are people's favourite items to reuse?	Plastic bags, because inevitably you end up with them. Ziploc bags as well, we reuse over and over. at least they're not one use.
2089	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What are people's favourite items to reuse?	Tote bags, especially when grocery shopping or going somewhere.
2090	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What are people's favourite items to reuse?	One, plastic bags. I haven't acquired a new plastic bag in years. I reuse the ones I have. Two, clothes. I use them, reuse them, mend them, repurpose them, do new things with them.
2091	8-Oct-25	Focus group #1 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What are people's favourite items to reuse?	Plastic bags; both the disposable kind and the supposed ones you use for years. I've got a whole bunch of them stuffed under the car seat, and in my bike panier. Everywhere I go I have my own bag.
2092	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	How much of a priority is this to you?	Would be a medium priority.
2093	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Only great if you shop very local from brands that are available here.

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2094	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Very easy to get a garment, but not so easy to send back to brands.
2095	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The sheer volume of clothes is such a large issue, feasibility might be an issue. Bringing it back to people who know what they're doing (ex. sustainable organizations) would be a good idea.
2096	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Van can have more used clothing bins, which can be given to organizations that can reuse it.
2097	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Putting the onus on the consumer, would encourage extending the lifecycle of clothing from the brand point.
2098	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	How much of a priority is this to you?	High priority; Builds the circular economy, not just for fashion, extends to other household items.
2099	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	How much of a priority is this to you?	Root cause is policy.
2100	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Would totally support, very high level of importance.
2101	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Having it more centralized through libraries that would force you to think before buying something.
2102	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Had to spend so much in furniture when moving, FB marketplace is iffy and not always reliable, if the city could have "thing borrowing" it would be good, but most right now are inaccessible.
2103	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Vancouver doesn't have the flea market that other big cities have, if the city could provide something like this it would be great.
2104	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This could reduce the mindset of one time use, would be a great implementation and is of high priority.
2105	8-Oct-25	Focus Group #1 Notes (World Textiles Day)	Threading Change	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Policies that make the use of single use packaging expensive, then it can incentivize the business to not purchase these, and instead encourage borrowing.
2106	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	This action is a higher priority if you want engagement with the sectors. Adoption will take some time, but it has to be included in the plan.
2107	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	The priority setting should be based on data – how educated is the industry? Education is always the priority
2108	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Fairly high priority. Industries can become more interested when there is an opportunity to save money.
2109	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	If there is a penalty or cost, businesses are more likely to participate.
2110	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	How will Metro Vancouver share this information? We do not stay tuned to Metro Vancouver to see what is going on and what is changing.
2111	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	We have not heard anything from the City or Metro Vancouver on solid waste, and we manage it all ourselves. Only when we have internal issues do our third-party consultants reach out to us for solutions. We are not actively looking for opportunities.
2112	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It will not be that difficult to implement this action if: oWe use a third-party consultant – Waste Collective. oMetro Vancouver goes to the haulers and negotiates deals on our behalf – recommends for us to take it to farms for example. oSupport and encourage the educational process internally

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2113	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It will be great, but time is a challenge: managers will need to put time into this from their day-to-day work.
2114	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Language barriers: technical language especially- not everyone has the background to understand what this means.
2115	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We have different teams for dealing with different aspects of the business, working with the correct team will be important to the success of this action.
2116	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This action might be more difficult for certain businesses. Cost and time constraints will be a challenge as well as knowledge gaps. This will require training and upfront investment.
2117	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Consistency across different municipalities needs to be there, we cannot expect to manage varied expectations across Metro Vancouver.
2118	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Standardized toolkits that work across municipalities with specific examples to help businesses navigate it properly.
2119	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Recognition program that incentivizes businesses and encourages participation.
2120	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Once these tools are created, the value is the adoption of it. How do you get businesses/people to use it and buy into it?
2121	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Cost will be the deciding factor. If you take these tools and adopt them as a business, will it help you cut costs? People will want to know this.
2122	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Demonstrating the financial benefits of waste reduction will be necessary to engage businesses. This should be considered when designing these tools.
2123	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Provide resources on what resources are available to help reduce waste.
2124	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Industry associations for each industry can be leaders in this work and can share these tools with hundreds of companies.
2125	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver needs to make the training simple, time efficient, punctual.
2126	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Low in the list because we are already self-motivated
2127	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Low because it does not appear to be a high-benefit action.
2128	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Low – every manufacturer is uniquely built to meet their unique needs and complex supply chains – one-fits-all approach will not work.
2129	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium
2130	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	As food manufacturers, we want to reduce as much waste as possible. We are always looking at our logistics and supply chain to ensure we are not wasting anything. This is not a big priority
2131	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	How could an outside representative come in and help us with this action? It is very specific to the manufacturer.
2132	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Every business is trying to cut food waste – the more efficient we are the more profitable the business is.

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2133	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We are trying our best to reduce waste – in terms of Metro Vancouver providing support – education and opportunities to save money through tax credits would be good ways to encourage participation.
2134	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Grants would be helpful to encourage participation and to reduce the burden of the cost of implementing new initiatives or process. Create access to consultants that can come to the manufacturers and offer advice.
2135	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Are there vendors in other parts of the world that we don't know about that we can learn about?
2136	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	High – it will encourage businesses to reduce waste.
2137	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	High – some businesses (especially small ones) need the incentive.
2138	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	High priority - once is coupled with resources and there is an understanding from small businesses.
2139	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	High priority
2140	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Good initiative to provide incentive to businesses but depends on how difficult or time consuming the application process is. Will doing the work outweigh the benefits? What are the actions associated with receiving the grant? Will it be too cumbersome for businesses? What are the requirements?
2141	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The grant process needs to be simplified so it does not discourage businesses. Having the options of micro-grants so it can be more inclusive for a variety of businesses.
2142	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This is important but needs to be coupled with tools and resources. Is it most beneficial to target many small businesses or a few large businesses that generate much of the waste?
2143	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Large businesses have more resources to deal with waste which is why they may produce less.
2144	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	This action needs resources. Human voices (phone calls) – who should we contact, refer us to resources or a liaison.
2145	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	More transparency on who can apply for what grants. More guidelines are needed.
2146	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium priority
2147	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium – companies are already self-motivated to do that
2148	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	High – important to have the data
2149	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This action is doable but moderately difficult depending on what the requirements are. Many of the businesses might not have the established metrics/standards. Data sensitivity: Some information may not be sharable.
2150	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Waste is quantified because it is a cost. Some individuals in our company feel the pain because they have to complete the measuring and reporting process and it can be arduous and time-consuming.
2151	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It is important to consider that measuring and reporting food waste costs money and resources, especially for smaller companies

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2152	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We value what measuring and reporting food waste could bring but it is important to consider that it will be complicated.
2153	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We internally have all the resources to do the metrics and to measure the waste going out and we try to reduce it as a larger company.
2154	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We have created those steps and resources now, but we did not have that initially, so it may be challenging for smaller companies to do this.
2155	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Companies are self-motivated to save money and would probably complete this work for that benefit.
2156	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Important to have this food recovery data. We need to understand the baseline and where businesses are at.
2157	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There is the problem of standardizing the reporting, this approach needs to be made consistent. This may be difficult for the sector to implement because we don't know what the reporting requirements will be.
2158	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	How many resources will be necessary to collect the data and complete the reporting? Businesses will need to know this.
2159	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Standard guidelines and metrics are needed so that they are consistent across municipalities
2160	10-Oct-25	Sector engagement focus group notes	BC Food and Beverage Association	Food and Beverage Retailers	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver needs to approach people from the angle that it saves money and brings value long term.
2161	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	High because information is the first step because often timelines get applied and not all parties know about it. Better awareness and understanding could lead to wider adoption of these practices. Need an active strategy to inform as many parties as possible and use the language of incentives. A way to communicate with people who have questions. Things like circular economy and reuse could be vague and people can have a range of understanding of what it means so it is important to have someone who can guide through the process.
2162	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Like the idea of incentivizing and using carrot vs. stick approach. Great way to get buy-in
2163	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Making sure the programs are accessible. If no one knows about it, then you will end up with people who are already applying these
2164	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Consistency is very important – if these programs are implemented then make sure that they are consistent across all municipalities
2165	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The community needs to be able to easily implement and do not have to go through a 20-page manual to understand.
2166	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Part of the support needed is accessibility and facilitating the knowledge transfer of implementing circular economy practices in the building industry. Ranges based on people's understanding
2167	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Information sharing as first step (e.g. bulletins). Scan what resources are available about end of life of building materials. Information sharing not just to builder: Buildings are not built just by the builder so there is an emphasis on the need for consistent information sharing with all project partners, including builders, designers, and energy advisors– educate on end of life of the building
2168	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Getting the information to key partners so the whole part is more informed. A good base is having information on a website – education outreach and meeting key partners at their place

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2169	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	We have a very active education committee, and we do education throughout the year so I see an opportunity for Metro Vancouver to come and do a session for members to listen to and ask questions which will then be posted on the website. Partner with other associations who are not necessarily in the region but do business in the region
2170	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Remove barriers: One unintended consequence is these programs happen in silo and there ends up being conflict with other regulations. Ensure the requirements do not conflict with other regulations so builders and the constitution
2171	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	High priority and important part of the outreach. To get buy-in from builders and partners
2172	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Fairly high priority but also acknowledging that there are another 100 actions that we do not see so easy to say this is a high priority
2173	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We have builders breakfast event that happens ten times a year. We would be happy to partner. Opportunity to co-host events. Work with municipalities as well on free sessions.
2174	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Important to have these as the knowledge translation piece
2175	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The research could be easy to conduct by the waste mgmt company/ the city and data could be easily collected. eg waste stream audit/ resident surveys and feedback
2176	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Success stories: If there are other home form types that have been successfully deconstructed or moved, bring those in. Interested in successful case studies different from SF homes. Where have those materials have been reused
2177	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Bring other parties that have influence on material design
2178	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Our membership is not just builders; we have designers and engineers so bringing Subject matter experts with diverse expertise would be valuable
2179	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Could happen in co-collaboration in with other municipalities (city of Langley does these) – it shows there is harmony and could reach more diverse audiences
2180	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Number 1 priority between the three actions discussed
2181	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	High priority
2182	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It is always a good idea to tie in all levels of government so great thing to include. Holistic understanding of everyone knowing what is going on from the top down
2183	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	There are a handful of companies that do deconstruction
2184	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	It costs money and time. If there was a way to increase that capacity in that sector, that would be great
2185	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	It is important to make processes simple and consistent across municipalities to avoid conflicts and encourage builder participation.
2186	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Land: Need to address land use requirements and storage solutions for deconstructed homes, space is a significant challenge in Vancouver. Having Metro Vancouver help find a space to storage reuse materials until they find the next use would help
2187	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Ease of use and accessibility. Affordability is an important aspect to consider
2188	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Could be difficult if properties face logistical challenges, such as space constraints, collection schedules, or additional costs, especially for older buildings and premises
2189	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Staff turnover (in the premises/ properties) may reduce engagement as there may be a lack of awareness about the program when newcomers work at the place

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2190	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Provide tailored onboarding support, clear signage, and training for staff, along with resources like posters, bin labels, and educational guides in the public space of the non-residential properties
2191	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Green bins collection schedules should match business hours, and they should be collected frequently if there are restaurants/ food-related businesses in the properties to prevent hygiene issues.
2192	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Enforcement/ incentives to ensure businesses follow or participate in the green bin programs
2193	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Could be difficult; odours and “yuck factor” can be only reduced but not eliminated
2194	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Even with guidance, residents may feel hesitant to handle food scraps, or they may lack the time, space, or materials to consistently apply recommended practices.
2195	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Household food waste bins or compostable bags should be provided for free, rather than requiring residents to purchase them on their own)
2196	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Compostable liners, odor-absorbing materials, or simple tools for bin cleaning should be provided
2197	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The key is making green bin use feel manageable, safe, and socially reinforced.
2198	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consider collaborating with property managers, business associations, and environmental advisors
2199	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Sharing best practices or case studies from successful participants with other building/ property managers to demonstrate feasibility and benefits.
2200	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Increase the frequency of green bin collection.
2201	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	The city regularly collects green bins, cleans them, and returns a cleaned bin to residents.
2202	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Offer community demonstrations, workshops, or peer support to normalize bin use.
2203	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	10 participants expressed this is high importance 3 participants expressed this is medium importance 0 participants expressed this is low importance 5 participants didn’t answer
2204	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	One of the reasons that this action is important is because textile/clothing is one of the major consumption in our daily lives, so it would be better to have a more proper way to recycle.
2205	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It should be quick and easy to donate, because I already do donate to thrift stores. But the problem comes in for certain things like socks or items that have a stain or tear in it, then it’s good to have a place to collect these.
2206	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Simplicity would also be an issue. Do we have to sort out the material, or can you donate any type of textile?
2207	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easier, I’ve tried taking old clothing to Value Village, but not all items are accepted. Having more textile recycling options would really improve access

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2208	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It depends on what types of textiles are allowed or not allowed. For example, underwear or very personal items may not be acceptable
2209	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It depends on the location of the collection boxes. Metro Vancouver should collaborate with grocery stores to set up more collection points
2210	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If the collection points are convenient, it's easy for me to participate, especially since buying new clothes these days is expensive, so it feels good to donate what can still be used
2211	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	More thrift shops or textile recycling bins in the community or at retailers would make it more convenient to donate.
2212	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If the location has enough recycling boxes and they are easy to access or identify, it would be much easier to participate.
2213	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	It's hard for me to figure out if contact lenses are waste or recycling. They generate a lot of waste, but since they're made of plastic, are they recyclable?
2214	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	If I donate items to certain places, it would be helpful to know what happens afterwards. Do they actually get recycled? I've seen some items being dumped into a big bin.
2215	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Is this going to be difficult for the person donating? I.e. Will sorting be required by the person donating, or is it done afterwards?
2216	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Is there requirements in terms of what should be recycled or belong to the landfilled (i.e. dishrack)
2217	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	We need more instructions of what should be recycled, or will there be contamination. There's a lot of synthetics in textiles - is this recyclable or will it ruin all the other products?
2218	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	We need more access points, especially near public transit.
2219	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Include more collection boxes at locations that are easy to reach, such as SkyTrain or bus stations, residential areas, and inside malls
2220	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Collection box locations should be more visible and accessible, for example, close to SkyTrain stations
2221	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	There's a lot of those fire stations (and other public utility spaces), if there are collections at all these public spaces, it would be much easier to access
2222	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Educating consumers like us who actually make the effort to donate or recycle. Provide greater transparency around what happens to donated and recycled goods after collection. (This will help build trust and motivate participation)
2223	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Will there be a system for textiles and other products? I.e. for plastics there is a certain number on the bottle.
2224	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	There should be a team of people sorting things out after donations (especially for textiles)
2225	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Make sure to have someone to follow up with the collected textiles, such as having a specific department to collect them weekly or bi-weekly. This ensures the textiles are actually recycled instead of being left in the box
2226	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	7 participants expressed this is high importance 3 participants expressed this is medium importance 3 participants expressed this is low importance 5 participants didn't answer
2227	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Note - we see an anomaly where people in the recycling focused session think incentives are not necessary, but many in the other two sessions expressed that point systems or rewards will help encourage more participation and get everyone involved. This might be a self-selection bias.
2228	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Let me just say it in Chinese, I don't think people should be rewarded for bringing things to recycle. This is a civic responsibility. If you do that, it would…) create another can of worms, I think we instead of providing a monetary incentive for people to do that, it would be better to educate people on the importance of recycling
2229	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	If we have a reward system, it's a lot of resources being spent on these resources and it's not needed, it's our responsibility
2230	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Provide incentives for companies to offer education or open sites for recycling (e.g. lower rents or other support)

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2231	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	In Hong Kong, it's very convenient to recycle, but it still takes a lot of education, incentives, and promotion. And even then, participation only increased by a small margin. This suggests it's a long-term change that can't be measured or achieved immediately.
2232	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I like the point reward system in Hong Kong, you earn points based on the weight of your recycled items, and the points can be exchanged for modest rewards, e.g. recycled paper towels and everyone can participate.
2233	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	For people who already have high awareness and do recycle, they don't really need the incentive to take action. But for those with lower awareness, rewards can be an effective way to motivate them. For example, giving a small reward for recycling plastic bottles can actually encourage people who wouldn't normally think about recycling to participate. The "stick" part means penalties. For instance, charging fees or applying other punishments for not participating.
2234	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In Hong Kong, there used to be a recycling program called "Green Community." The rewards didn't have to be monetary, for example, you might need to collect 10,000 points just to exchange for a roll of toilet paper. But small incentives could be enough to motivate people to recycle. My mom isn't very environmentally aware, but because of that program, she still participated. Right now in Metro Vancouver, there's already a deposit you can get back when recycling plastic bottles, for me, that's already an incentive. Having an incentive is useful.)
2235	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Maybe somewhat difficult, I don't think I would like to spend time tracking my recycling work.
2236	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If there are more facilities near me, it'll be much easier, not everyone is able to drive.
2237	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Maybe make the "reward" more attractive? I'm not motivated to bring a full bag of textiles just to get back a few cents.
2238	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To make things easier, include technology in the recycling boxes. For example, everyone could scan a QR code at the box, and it could weigh the textiles or other items and automatically add points to your account, so people don't have to track their efforts manually.
2239	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In Hong Kong, there are vending machines for recycling plastic bottles. It's much easier and doesn't require as much manual effort.
2240	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Can recycling stations accept all types of recyclables, so people can recycle everything in one place? Sometimes the most frustrating thing is that one site only takes bottles, but not other items. It would be great to have one location where you can do all your recycling at once.)
2241	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	People bring bottles for recycling because there's a deposit. Or i.e. H&M used to give you a small coupon if you bring old clothes in. Could something similar apply to clothing or other products? Or could there be a partnership with companies for this? For example, adding a small upfront fee that can be returned when items are brought back for recycling (so they can be made into new clothing, products, or beauty items)
2242	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Can there be incentives for businesses to promote less packaging or encourage customers to bring in their own containers and packages? Or encourage reuse and recycling?
2243	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Big corporations make so much money shouldn't they be doing a bit more in this area?
2244	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Why is it that some things can't be recycled at IKEA, but can be at London Drugs? A lot of times, people just don't know where they can take things to recycle, so they end up throwing them away.
2245	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Making recycling depots easier to access is key. Right now, they can feel intimidating or inconvenient to visit. Removing these barriers and improving accessibility would make participation much easier.
2246	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	In Burnaby, even though you can get a small refund when you bring recyclables in, the sites aren't very hygienic and often require a deliberate drive to reach. Every time I go, I have to "be brave" it smells bad, and it takes effort just to get a few cents back. Recycling facilities need to be both accessible and clean to encourage people to use them.
2247	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It would be helpful to have a clear standard defining what "recycling well" actually means
2248	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	More education
2249	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Provide a clear catalogue or guide on what can be recycled, designed for children, seniors, and others who may need simpler information
2250	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Many people don't know where to go, there isn't enough public knowledge about where recycling facilities are located

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2251	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	More community discussions like this one
2252	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	More promotion through posters and advertisements
2253	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Broader dissemination, for example, TV ads, social media, and leaflets to every mailbox, so more people know about new recycling actions
2254	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Encourage companies to use sustainable materials
2255	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Corporations should contribute more to these efforts
2256	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	11 participants expressed this is high importance 0 participants expressed this is medium importance 1 participants expressed this is low importance 6 participants didn't answer
2257	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	In reality, it's quite difficult, recycling needs to be sorted very precisely to be effective. Is having signage enough? Or is it still too complicated?)
2258	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	The system needs to be simplified, if it used clear colour coding, people could easily tell how to sort their waste.)
2259	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think it will help, but not much, because there are still quite a lot of items that are hard to categorize, for example, contact lenses or paper straws
2260	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be easy, since the effort comes more from the government rather than the public
2261	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It may be difficult to have all cities adopt a standardized approach (there's a lot of red tape) but if it can be standardized, it will make things easier
2262	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There should be a clear signage standard so that it's easily understood by everyone
2263	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think it's easy to let people know, as long as the communication is clear
2264	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I once saw a documentary showing how recycling plants could automatically sort recyclables from non-recyclables that would make things much easier for consumers
2265	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The government could consider developing a mobile app with AI that lets you take a photo to check if an item is recyclable or not
2266	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If the system could use simple colour coding, it might be confusing at first, but once people get used to it, it would be easy to sort by colour.
2267	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In Hong Kong, everyone knows the chant "blue for paper, yellow for cans, brown for plastic bottles," but in Vancouver, the colours for public recycling bins don't match those used at home or in buildings.
2268	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would also help to list the items that cannot go into each bin, for example, using attached images with cross marks on non-recyclable items.
2269	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	What is signage standard and customizable tool?
2270	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Isn't this in place already?

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2271	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	So what can Metro Vancouver actually do about this? Aren't these implemented differently in each city?
2272	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	It seems like recycling has to be sorted very specifically, but would clear signage make it easier to tell what goes where?
2273	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	At school, I noticed something interesting. Students often stand in front of the recycling bins for a long time, trying to figure out what goes where. It's good that they're willing to learn, but sometimes, even after looking carefully, they are unable to tell and they still end up throwing everything into the garbage.
2274	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	As consumers, we mostly care about what we should do, not whether it's the city or Metro Vancouver managing it. We just want clear and consistent communication on what actions residents are expected to take
2275	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	9 participants expressed this is high importance 2 participants expressed this is medium importance 0 participants expressed this is low importance 7 participants didn't answer
2276	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yes, it would be much easier if people could access the most up-to-date information in one place
2277	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yes, this is a fundamental action to help increase the recycling rate
2278	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If there's a centralized app or website, it will be much easier. And people need to know about it.
2279	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It could still be difficult if the information, even when centralized, isn't well publicized
2280	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yes, this is a good action. Currently, there is a Return-It app that I sometimes use to check whether something can be recycled. But sometimes it's not accurate, some private organizations actually help recycle items that the city says cannot be recycled.
2281	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Something like a physical thing to each household like the current ones that tell you when garbage and or recycling is picked up
2282	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Use ads and spend time on promotions, make it a big campaign so people know about it
2283	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Schools should also take on some responsibility to help spread awareness
2284	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	The government could set up booths at school open days so adults who are there with their children or grandchildren can also learn. This is the same for universities.
2285	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consider using songs or easy-to-remember jingles. Combine colour coding with music to make education more effective.
2286	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Teach children to be "recycle heroes" at home, taking responsibility for sorting recycling for the family. And they can also relay this information and teach their parents)
2287	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	For kids, use circle time to teach with songs or posters so they see it daily and remember it better.
2288	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	8 participants expressed this is high importance 3 participants expressed this is medium importance 0 participants expressed this is low importance 6 participants didn't answer
2289	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy, the recycling bins at my place already show what can be recycled, but not what cannot be recycled, which sometimes makes me confused.
2290	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easier, as it helps confirm whether something can be recycled, since not everything can be recycled.
2291	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy and very much needed!

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2292	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Ideally, if there were a machine that could scan a product and tell us which bin it should go in, that would be amazing.
2293	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Not everyone can access technology (e.g. QR codes or smartphones), so handwritten notes or clear signs will still be very important.
2294	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Within school systems, it's very important to educate younger students or adolescents to participate and promote healthy recycling habits. Parents might not do it unless they see their kids doing it
2295	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Children can teach their parents
2296	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	For seniors, community centres can offer workshops to help educate them
2297	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Workshops can be for everyone
2298	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Include clear images that are easy to understand
2299	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Include different languages or translations, or even non-verbal, easy to understand icons, if possible
2300	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Would it be possible to have a label or colour code directly on the product packaging to show whether something is recyclable or not? Or even better, a colour code that clearly indicates which bin it should go into.)
2301	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Suppliers should be encouraged and supported to redesign their labels and packaging to reflect recycling information.)
2302	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Provide financial support to schools or communities to organize related workshops
2303	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	All replied they are unsure here
2304	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We can't even understand what this action means to comment on it
2305	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Are you talking about strata? If it's about strata, it's about clarity for tenants for resource management
2306	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Please avoid using jargon
2307	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	1 participants expressed this is high importance 5 participants expressed this is medium importance 3 participants expressed this is low importance 9 participants didn't answer
2308	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be easier for the younger generation.
2309	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yes, it would be easy to participate and helpful if there's only one single source of truth

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2310	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be difficult because developing digital tools requires significant funding and can't be perfected within just a year or two.
2311	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy for younger people, but difficult for older people
2312	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Beyond signage (which has printing limitations), integrating smarter devices that can scan items, recognize them and identify where they should go would make things easier.
2313	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Scanning the packaging would make things easier for people who don't read or understand signage.
2314	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This will be difficult for reuse and repair, if it's more of a personal or monetary decision
2315	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Some commented they're not sure how technology or AI could help, to be honest
2316	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	There's a comment that this tool can be in a public space near the collection sites too so people can learn and sort it in the right bins.
2317	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	I would be more inclined to have an actual physical space, it's more helpful
2318	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Language accessibility, are they willing to make it more diverse?
2319	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Need to consider people who aren't tech-savvy or don't have access to digital devices.
2320	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Scandinavian countries have programs for repair and reuse; maybe this needs to be developed as a municipal or government-led program
2321	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy. With a well-defined/ specific audience in a building, the education can be designed to be clear, precise, and easy to understand.
2322	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy to deploy as there are existing channels or community space for visuals/ newsletter delivery/ interactive workshops.
2323	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Who would be responsible for execution? Is participation (e.g. workshops/ online training) mandatory for all families or residents?
2324	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Education content should be concise, appealing, and actionable
2325	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	The building/ strata/ property managers should help with promotion and materials distribution in an encouraging environment.
2326	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Difficult, backyard composting can produce unpleasant odours and attract pests such as insects, rodents, or even snakes, which many people might find hard to accept
2327	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Very difficult because residents would be concerned about space, odor, pests, or the complexity of maintaining compost systems.
2328	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Limited access to materials like bins, worms, or instructional resources could also pose barriers.

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2329	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There are more multi-family residences now, and even single-family houses have fewer backyards than in the past.
2330	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If green bin programs are still running, which are easier to participate in, why would I even compost at home?
2331	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I'm personally very scared of worms, so nothing would help.
2332	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Sharing success stories to normalize and celebrate backyard composting and worm bin practices.
2333	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Partnering with community gardens, schools, or local retailers, offering incentives such as compost bin discounts or free workshops
2334	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Moderately easy to participate if the materials are practical, concise, and available online
2335	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Straightforward instructions in the materials would help the businesses understand exactly what actions they need to take, reduce confusion, and increase the likelihood of successful implementation.
2336	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Clear summaries, visual guides, and examples that show how waste management practices apply to real operations.
2337	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Educational resources should be specific to the industry/ business, rather than general guidelines
2338	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Flexible learning formats/ materials would help, eg toolkits/ videos/ printed materials/ webinars
2339	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy as there are non-profits that already have expertise in community engagement and waste education.
2340	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Can leverage their experience in community outreach, ready-made programs, volunteer support, and credibility
2341	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Direct engagement/ two-way interaction is more effective for residents to participate in recycling than just delivering materials for them to study, as you have someone onsite to help sorting if they have immediate questions.
2342	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Ensure non-profits have sufficient capacity to handle these additional collaborations, so the programs can be sustainable.
2343	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Funding support, training, and standardized practice across different non-profits would be essential for the success.
2344	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy to participate because guidance on reducing waste—such as using reusable tableware, planning portions, or setting up recycling and compost stations—can be implemented directly by hosts and can have a tangible impact on waste reduction.
2345	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	During large events, several large recycling bins should be placed beside garbage bins
2346	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Specific examples or scenarios, eg how much food to prepare, can be given to illustrate how the guidelines apply in real situations, making the instructions more relatable and easier to follow.

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2347	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Educational resources alone are not enough. Providing hardware or facility support at the venue can help actually reduce waste—for example, hosting parties at a building's amenities with cutlery provided.
2348	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Don't even know there are environmental advisors… so improving awareness and access to these advisors would be helpful
2349	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	A bit difficult because the messaging might feel superficial or inauthentic. Not everyone resonates with or interprets the same message in the same way.
2350	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Managing collaborations with artists and ensuring consistent messaging across platforms could also be challenging.
2351	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Artists and influencers should be involved from the start in shaping the tone and visuals so that messages feel genuine.
2352	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	They should have the flexibility to create their own messages rather than being given rigid scripts.
2353	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Art installations in public space and social media campaigns could amplify the impact—making recycling visible, fun, and community-driven while reinforcing authenticity and motivation.
2354	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy, it would help everyone correct the common mistakes they've been making in waste sorting
2355	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Other mechanism. We can help facilitate and educate, but to what degree should municipalities be involved in enforcing this – we are less sure about that . If we're going to do anything, it should be education
2356	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy because focusing education on high-confusion materials can directly improve sorting accuracy and reduce contamination in recycling and compost streams.
2357	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Simple, visual guides with photos or icons showing correct disposal for each confusing item would already help a lot.
2358	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Depends if the gamification system is complex or not.
2359	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Incorporating elements like quizzes, challenges, points, badges, or friendly competitions can make learning about recycling and waste reduction fun and motivating, encouraging ongoing participation.
2360	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Might not seem attractive to adults
2361	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There might be risks that some participants may focus more on rewards than the underlying learning, reducing long-term behavioral change.
2362	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy, I can bring my children along to visit, learn together, and deepen our understanding
2363	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy because tours provide a tangible, engaging way to understand the recycling process and connect individual actions to community-wide impacts.

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2364	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Seeing how materials are sorted and processed can increase motivation to recycle correctly
2365	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Arrange school trips so that each school can visit together)
2366	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Do it in smaller groups for active engagement as large group sizes may reduce the personal impact of the experience
2367	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Flexible tour hours/ multiple trips to accommodate different people's schedule
2368	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Virtual tour options for those unable to attend in person.
2369	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Partnering with schools, community groups, and local media to promote tours
2370	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Integrate interactive elements for engagement
2371	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Share highlights on social media to extend the educational impact beyond those physically attending
2372	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy to participate as residents only need to engage with educational resources such as videos, infographics, tours, or online tools to understand the journey of their waste.
2373	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Worth to do it because demonstrating where waste goes—from collection to sorting, processing, and final disposal or recycling—can build trust in the system, reduce confusion, and motivate proper waste management behaviors.
2374	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Ensure information is presented in a clear format so residences can contextualize the information on how it relates to their everyday actions, i.e. connecting what they do at home with what happens at processing facilities.
2375	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Important to dispatch information at appropriate touchpoints where residents of different age groups could access at all times
2376	11-Oct-25	Focus group notes - Recycling focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Integrating these resources into schools, community workshops, building newsletters, and social media
2377	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	1 participants expressed this is high importance 5 participants expressed this is medium importance 9 participants expressed this is low importance 4 participants didn't answer
2378	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy, but if experts are needed to provide consultations, wouldn't the cost be too high?)
2379	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy. This is already being done at zero waste centres. I can bring items there and ask the staff whether they can be recycled. However, that mainly applies to recycling. When it comes to waste reduction, in-person efforts aren't very cost-effective unless they take place at events with large attendance. It might be more practical to do this through repair cafés or other community events
2380	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be easy for me to participate since I'm interested in learning directly from experts. However, I wonder if maintaining regular expert sessions could be costly in the long term

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2381	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Face-to-face communication takes up too many resources and doesn't reach a large enough audience. Often, when we want to look for information ourselves, we prefer to find it in places we already visit regularly like supermarkets, libraries, or community centres, as other participants mentioned. If these materials were available in those everyday spaces, people could easily access them, which would spread the message much more effectively. Compared to constantly sending people to talk in person, this approach would be far more efficient and cost-effective)
2382	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It might also not be very practical, as not everyone would be able to attend. Sometimes questions come up in daily life, and it doesn't feel helpful to "save them up" for a later session with a professional
2383	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be hard for me to participate because in-person meetings require people to dedicate time, so the challenge is how to motivate them to join sessions with experts. This is the hardest part, as many people may not have the intention to participate, it's a very passive way to educate people
2384	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Educational tools for recycling might not be effective when people's awareness of recycling is low or when they don't see the need to recycle
2385	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If it's a face-to-face session, it usually attracts people who are already really passionate about environmental issues and already very engaged. But for regular people, I don't think it's necessary to talk directly with experts. For me, as a newcomer, if I had to meet experts in person, I probably wouldn't even know what to ask. Most of my questions are quite basic and could easily be answered in a leaflet. Ideally, the information should be something we can access anytime, for example, when I'm sorting waste or cleaning my home, I can quickly check what's covered. For most people, talking to experts feels intimidating, and they might also think, "this doesn't really concern me, so why should I learn about it?")
2386	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Not difficult if time and venue is convenient .
2387	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	No time, it's hard to reflect deeply or keep track on our own. Education needs to be reviewed and reinforced repeatedly.
2388	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It could be simpler and more direct like handing out flyers. When I first arrived, I remember only receiving one or two pamphlets about where and what to recycle. I think this is the most straightforward and effective way to reach people in their homes. It was only after getting that flyer that I realized some bottles could be recycled and taken to deposit centres, meaning not all bottles had to be sorted again for recycling. For people living in smaller homes, this makes things much easier.
2389	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If there's an education forum with an expert like this one with about 20 participants, it can only reach those 20 people, not a whole apartment building of 200 residents or a community of thousands. Simple methods work best, like distributing flyers or putting up billboards in supermarkets or other high-traffic areas.
2390	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	I think combining in-person education with online resources, such as videos, infographics, and multilingual guides, would make this action more sustainable. No need for experts!
2391	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	In Hong Kong, we don't necessarily have experts teaching people how to recycle, but there are usually staff at recycling stations who explain the process when people drop off their items. Learning through that kind of direct, on-site guidance feels much more practical and achievable)
2392	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	We don't always need to rely on experts. Once local residents and children are educated, they can pass that knowledge on to others in the community. Community education through schools and neighbourhood networks is much more effective and meaningful
2393	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	That's a great suggestion, but how can it actually be done?
2394	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Is it actually feasible to have someone stationed on-site to answer questions?
2395	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consider the human resources required and explore how some of this work could be replaced or supplemented with online resources
2396	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	An online platform or Facebook focus group would be better, peer-to-peer education is often more effective
2397	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Record expert talks or information sessions as videos and promote them through social media
2398	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Physical promotion, such as advertisements in public spaces, would also be more practical and far-reaching
2399	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consolidate the various recycling and waste reduction websites in BC into one central platform, and advertise it so more people know about it

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2400	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	9 participants expressed this is high importance 5 participants expressed this is medium importance 1 participants expressed this is low importance 4 participants didn't answer
2401	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	if we don't know what format the education activities will take, it's hard to tell whether they'll be easy to join or not)
2402	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Should not be too difficult if the education tools are practical
2403	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy for me as I already try to sort and reduce waste at home. However, it may be challenging when living in a multi-family building where waste rooms are shared and not everyone follows the same system. It depends on how the education is delivered and the level of detail provided.
2404	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The action talks about "education tools," but it's not clear how the tools for multi-family residents would differ from those for single-family residents.
2405	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It might be quite hard for me to participate since I don't live in a multi-family residential area, there might be less motivation for me to take part
2406	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Recycling locations in Vancouver are not easy to find, and promotion or public awareness is not common
2407	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy to participate in general, but it's not convenient to dispose of large pieces of furniture.
2408	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's hard for some participants who don't always feel comfortable or have the freedom to practice sustainable practices
2409	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Waste reduction can help more newcomers learn that many things can actually be recycled, and where to recycle them, as well as include that information on product packaging.)
2410	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There hasn't been much promotion about what can be recycled. The resources exist, but people don't know about them, and it hasn't been well promoted
2411	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Better to have a clear goal for residents to participate in, so everyone can work toward something together.
2412	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy-to-use mobile apps could show where to find bottle return collection points in each area
2413	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Should be promoted and supported by strata councils.
2414	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Perhaps collaborate with NGOs to make participation more accessible for the community

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2415	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Provide “carrots”, incentives or recognition for strata councils that achieve good results.
2416	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think accessibility to recycling tools could be improved. For example, in North Vancouver, paper recycling must go in yellow bags, but they’re not easy to find or replace, and can easily blow away on windy days. Some residents give up recycling because it’s inconvenient. Maybe Metro Vancouver could consider providing better access or alternatives to these bags
2417	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	it’s a bit difficult to evaluate Action ID104 or the following measures, because it’s not yet clear which specific types of waste Metro Vancouver is prioritizing for reduction. The plan doesn’t specify the target reduction amount, or what tools or policies will be used to achieve it. Without that information, it’s hard for participants to assess whether applying these measures at the household level would be easy or difficult. For example, take beverage containers: you pay a deposit when you buy them and get it back when you return them. That policy has a fairly high recycling rate. But when evaluating whether it works at home: how much space would it take up? How often would collection happen? With that kind of context, it’s easier for us to understand the intent of the policy is and what support or resources might be needed if penalties were introduced for non-compliance, and then tell the government whether it’s easy to participate or not. That said, it’s understandable that across Metro Vancouver, waste data collection and reporting methods may differ between municipalities and might not be completely transparent. This data quality directly affects how goals and measures are set, thus affecting how businesses and residents can align their efforts to meet those targets and policies. With clearer direction and shared data, it would be much easier to have informed discussions about the overall strategy.
2418	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you’d like to add to the conversation on this action?	The key is these education tools have to be able to reach the target audience
2419	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you’d like to add to the conversation on this action?	I’ve been living here for a few years now, and my understanding of waste reduction is cutting down on things that either can’t be recycled or that we don’t realize can be recycled. For example, a few weeks ago I went to Home Depot and noticed they had boxes for recycling light bulbs, and London Drugs has bins for recycling batteries. For me, it’s only by chance that I came across these recycling stations, otherwise I’d probably just throw the light bulbs in the garbage. I wouldn’t go out of my way to save them up and wait a long time just to recycle one bulb. So I hope there can be more recycling locations, or better information for newcomers, so people know that a lot of things here can actually be recycled.
2420	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you’d like to add to the conversation on this action?	The rest of the things that can’t be collected or recycled aren’t really within our control as residents. In terms of reuse, we can try to use things like wooden chopsticks a few more times, but in the end, they still end up being thrown away.)
2421	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you’d like to add to the conversation on this action?	Actually, Canada already has tools like this. I found a website with a Google Map showing that even water filter cartridges can be recycled, but no one promotes these tools. And are people really using them? You have to go on a desktop, scroll slowly, and study the map. It has no icons or clear labels. Canada already has the resources and platforms, but they’re not being promoted. The site’s traffic is low, the SEO is poor, and as a result, very few people know about it. There hasn’t been any visible promotion and the information is hard to find.
2422	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	What exactly does “expanding educational tools” mean? I’d like to understand a bit more about the format, since that would affect how much space it takes up and what type of activities or materials would be involved
2423	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Would it be in the form of town halls, leaflets, or activities promoted by local councillors?
2424	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Is there a goal or target?
2425	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Should we consider providing clear, multilingual educational materials or a website?
2426	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver could collaborate with large businesses, such as Home Depot or London Drugs, to distribute recycling bags (e.g. yellow bags) or share recycling information
2427	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consider launching alternative and more sustainable options for recycling bags, such as replacing plastic bags with reusable recycling boxes
2428	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Need clarity on the time and format. For example, will sessions be held after 6:00 p.m. on weekdays, and are they in-person or online? How long is each session, and do participants need to join regularly?
2429	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	5 participants expressed this is high importance 4 participants expressed this is medium importance 5 participants expressed this is low importance 5 participants didn’t answer
2430	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think this could help encourage people to reuse. Sometimes we see something as waste or useless, but someone else might need it, for example, packaging materials from online shopping. For buyers, it’s a one-time use and then thrown away, but sellers or people who are moving need boxes all the time. If there’s a place where people can donate like-new packaging materials and others can pick them up, that would be great.
2431	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy for me to participate, I’m already part of Buy Nothing groups, tool libraries, little free libraries, and community fridges

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2432	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If there's clear information, for example, about rental or lending programs, and if it's run as a city-based system, it would be easy to participate. The first step is knowing where to find this information.
2433	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Personally, I don't really support the direction of item rentals. One major difficulty is, who decides what items are available for rent, and where these items should be placed? Like others mentioned, the sites are very scattered. From my own experience, I once tried to rent a sewing machine and found that while the service existed, my nearby community centre didn't offer it. I had to drive 10 or 20 kilometres to another community centre just to rent it. So is this really a reasonable direction to take? And how much resource would it require to make it work?)
2434	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In Metro Vancouver, there are many different ethnic and cultural groups. If this program spans across the entire region, how can we ensure that the items remain clean? Everyone's definition of "clean" is different. If something becomes damaged or dirty, it might not be repairable. Depending on culture or religion, people care a lot about whether a household has pets or certain items. With so much cultural and religious diversity, some items might not be shareable because of taboos or sensitivities. If Metro Vancouver implements a sharing program on such a large scale, could that cause issues? Would these cultural differences be overlooked? Maybe this should be managed by communities rather than a centralized government system, so it can better reflect different regional and religious needs. Some people are sensitive or allergic to pet hair or odours — if furniture comes from a home with pets, it may not be suitable for others. Furniture might also absorb smells or become dirty, so how can we ensure cleanliness and safety for the next user?
2435	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	For small items that can be borrowed from convenient places like libraries or community centres, it shouldn't be difficult.
2436	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Everything's scattered and unorganized right now, so it's hard to find information. There should be a centralized source or platform to make it easier to access.
2437	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	It's not something Metro Vancouver needs to run directly. There are already enough community groups doing this, such as Buy Nothing groups, tool libraries, and second-hand stores. Metro Vancouver's role should be to promote these existing groups and encourage more communities to start similar initiatives.
2438	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Nope, how can we get the reused items? Are they clean? How do we apply?
2439	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	I live in Surrey, and it's a big city that covers a large area. Renting items might be difficult — will they be clean? What if they break? It would be hard to keep renting items out if they're not clean or have things like pet fur on them.
2440	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Would it be easier if there were collaborations with community groups, churches, or religious organizations?
2441	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	For reusable packaging, is it really clean?
2442	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Even if these kinds of reuse or rental services exist, most ordinary people don't know that the government is already doing them. For example, there's a reuse and repair event happening in Richmond next week, but how many people actually know the city is organizing that? Personally, I only found out because a friend told me about it and asked if I wanted to go. If you don't have friends who are aware of these things, you'd probably never find out; there aren't really any channels reaching the general public. If we're serious about promotion, maybe it should be like what someone mentioned earlier, advertise in supermarkets or public spaces so more people can see it, instead of expecting people to search for the information themselves. Not everyone cares deeply about environmental issues, and most people won't go out of their way to look for this kind of information.)
2443	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Ease of access and how long would the rental period be?
2444	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Provide businesses with incentives to encourage reuse. For example, there's a paint reuse program, but when I asked at participating locations, they said they don't actually save the paint for reuse, probably because there's no incentive for them to do so.
2445	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consider how to ensure rented items are clean and safe to use, there could be issues with hygiene or allergies.
2446	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	4 participants expressed this is high importance 7 participants expressed this is medium importance 4 participants expressed this is low importance 4 participants didn't answer

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2447	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	it's difficult because food safety is such an important issue. I volunteer at my church's soup kitchen, and we do receive food donations and those are fine because they're properly checked and clean. There are already models like this in the community, but scaling them up is challenging, especially when it comes to safety. It's not just about hygiene; you also need to consider different religions: for example, Hindu and Muslim dietary restrictions, and food allergies are another major concern. If food preparation or distribution accidentally mixes in allergens like nuts, it could be dangerous. Programs like this can only really run safely if they're handled by soup kitchens or restaurants with proper operations and food safety protocols. When food comes from too many different sources, or you don't know exactly where it's from, there are a lot of operational risks.)
2448	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy, as long as I know about it
2449	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If it's just the database, it should be easy to build, the key is being careful with how food items are categorized
2450	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If the model focuses on existing organizations or churches, and consolidates data so they can directly apply to food suppliers, it would work much better. These organizations already have experience and are more professional. That would be more effective than letting the general public or multiple sources join in, which could make things messy and disorganized.)
2451	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think when it comes to food recovery, people are often worried about allergy concerns. But for furniture or appliance recycling, that's actually a really good idea. Some people — like newcomers — may not have the financial means to buy furniture or appliances when they first arrive. I remember spending a long time searching online for second-hand furniture, recycling programs, or families who could help, but it was very hard to find centralized information. If there were a platform or database showing which areas or organizations offer furniture or appliance recycling, it would really help ease the burden and provide practical support for these families.)
2452	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If it's mainly targeting people who are already participating, then having a dataset would be helpful.
2453	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We also need to consider hygiene issues, religious concerns, and the need for Halal food
2454	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	This feels like part of the idea of waste reduction at the source. At my workplace, there's a lot of food waste, but often we can't reuse it because of hygiene concerns. You can't really serve the same food to others again, whether you're charging or not. There are some existing platforms, like Too Good To Go, that help resell untouched leftover food, but food safety is still a big issue: it's too high-risk. If someone gets sick, even a small organization could be sued and face serious consequences.)
2455	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Encourage restaurants to plan their daily production more carefully so they don't prepare too much and create unnecessary waste)
2456	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	The database should be combined with information on reduce and recycling, so there is one centralized database where people can search for information on everything: reduce, reuse, recycle, repair (repair cafe schedules and repair information).
2457	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	The government should encourage restaurants to share the leftover ingredients to employees or donate to food bank, because there will be lots of food waste from the commercial kitchens, to increase their intention to reduce food waste and encourage them to share the left over ingredients/food to people in need will be essential
2458	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	One area where reuse is badly needed to reduce waste is the construction (demolition) industry, too many reusable material are being thrown out as general garbage. It would be very helpful if there is a way to connect people looking for materials to reuse with the demolition contractors.
2459	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Is this mainly focused on food recovery?
2460	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	My understanding is that this isn't just about food, but also about recycling organizations, like furniture recycling. Did I understand that correctly?
2461	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Making the data searchable online or through a mobile app, with clear categories such as refill stations, repair cafés, and food recovery locations, would make participation much easier
2462	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It's also important to consider food allergies, as there could be risks of cross-contamination
2463	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	11 participants expressed this is high importance 2 participants expressed this is medium importance 1 participants expressed this is low importance 5 participants didn't answer

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2464	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It depends on how the information is shared
2465	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It depends on the type of items, it's easier for small, easy-to-carry items that have low hygiene risks
2466	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think this idea is quite good because it can extend the lifespan of items since some only need minor repairs to be reused. But I can imagine one major challenge being logistics. For example, if I have a sofa that just needs a small fix, I don't have a way to transport such a large item to the repair location. How would I get it there? If there's logistical support for that part, the idea would be much more feasible. Without it, it might be difficult to implement.)
2467	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	From my own experience, this kind of thing can work through Facebook community groups. If everyone's in the same neighbourhood, like Marpole, it's easier to move a sofa or find someone nearby to help. But if it's far like moving something across Vancouver, it becomes a real challenge. So for this kind of initiative, it depends on the scale and whether there's a way to build local, community-led networks to make it work. When people know each other in their own area, there's more trust and comfort. But if it's too spread out or you don't know who the other person is, many people will hesitate. Even when I've tried to give away items before, people would ask very detailed questions before they felt safe. I think this is one of the cultural or even religious barriers that we need to think about how to address)
2468	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Regularly organize environmental activities and use softer approaches to promote and educate - for example, hosting environmental-themed fairs or arranging visits to Metro Vancouver's recycling systems and facilities)
2469	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Consider the size of reusable items, transportation and handling might need to be planned.
2470	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If there's support for transporting items or bringing them to repair or reuse locations, it would make participation much easier
2471	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would also be easier for me to participate if I'm aware of the program
2472	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	I ran a few reuse workshops at elementary schools, asking students to bring their own items like plastic bottles or paper rolls, and showed them creative ways to turn those materials into something new to extend their use. But I often wonder: after teaching them these methods, will they actually continue doing it at home? When they have recyclable items later on, will they think about how to reuse them instead of just throwing it straight into the recycling bin? That's why I think it's important to consider changing and making it a lasting mindset.
2473	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Community groups already organize "Repair Days" to help residents fix small electrical items and household goods. These existing networks have strong community connections and could make reuse and repair activities more accessible and practical for everyone.
2474	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	More repair cafés and a wider range of repair categories are needed. Workshops at repair cafés could also be offered to teach people how to repair different types of items
2475	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Is this part actually referring to furniture or appliance recycling?
2476	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	I want to ask about recycling bins. We often see recycling bins everywhere, and usually we sort our waste and throw it into the right bin. But how much of what goes in is actually recycled? I've been to some markets where, when I tried to sort my waste, a staff member told me, "It doesn't matter which bin you use, it's the same" That made me wonder if we are really achieving what we're trying to do? Even though these bins are set up, are many companies or organizations ignoring their purpose just for convenience?
2477	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver already has a website on how to repair and alterations, this should be expanded to include more categories. They should also encourage people to share this website.
2478	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	2 participants expressed this is high importance 10 participants expressed this is medium importance 2 participants expressed this is low importance 5 participants didn't answer
2479	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Buy Nothing groups can be too restrictive, some neighbourhoods have long waitlists to join, and group size limits mean fewer people see the items, so they're less likely to be picked up. People should be encouraged to start their own item-sharing groups modeled after Buy Nothing groups but with fewer restrictions

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2480	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If each district had its own test point that's accessible and low-barrier like Oh Yes, It's Free Market, it would make it much easier for people to take part.
2481	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Small, easy-to-carry items with low hygiene risk are okay
2482	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Aalready mentioned earlier that this could be more of a community-led initiative rather than a government-run one
2483	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	I've visited several community fridges, and many were either discontinued or in a very messy state. It becomes a problem when these spaces turn into dumping sites
2484	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	What is a buy-nothing group?
2485	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consider religion and allergy issues when promoting reuse and sharing programs.
2486	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Some condo residents already have informal sharing areas in their lobbies where people leave items they no longer need. This shows there's real community interest in reuse. Metro Vancouver could help formalize and promote these "mini reuse stations" by providing clear guidelines for safety, hygiene, and cleanliness
2487	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is this to you?	11 participants expressed this is high importance 1 participants expressed this is medium importance 1 participants expressed this is low importance 6 participants didn't answer
2488	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think this is great because it's easier to teach children new ideas than adults. Back in Hong Kong, we had mascots, cute characters that would visit schools or communities and they even had songs and jingles, like "don't waste food" or "don't be wasteful." Kids remembered them after hearing them just a few times. Here, even though there are mascots like the Return-It one, people don't really know what they do. They don't have much personality or story, people just see them as mascots and that's it. So I think if the existing mascots were given more character or a story, with a clear role or message, it would be much more effective than just sending people to keep repeating "recycle, reuse, reduce." The way it's done now feels too much like a classroom lecture. People hear it, but it doesn't sink in.
2489	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's very important to teach children to think before buying anything
2490	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Should not be too difficult if the message is tailored to the target audience.
2491	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Reduce and reuse should be integrated into school life.
2492	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Would it be easier to have these educational booths/ engagement at community events/ fairs/ festivals?
2493	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consider how to encourage people, especially children, to truly put these practices into action in their daily lives
2494	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	0 participants expressed this is high importance 2 participants expressed this is medium importance 9 participants expressed this is low importance 8 participants didn't answer
2495	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There are already many reuse, refill, and waste reduction programs happening in the community, but what we really need to look at is regulation and accountability. For example, if small organizations or businesses receive funding to run these programs and then expand them, are they actually achieving real results in the end? Are they truly creating impact, or just taking the funding without meaningful outcomes? This part needs clearer oversight.)
2496	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Every time there's a grant like this, there should be some form of oversight. But it raises the question, is it really worthwhile to allocate resources this way? First, you're spending money to issue the grant; then you also have to spend more resources reviewing and monitoring whether people are doing things properly. That becomes a double cost of resources. So is this really the best approach? I'm a bit skeptical.
2497	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The grant is targeted at small businesses, so it's difficult for consumers to participate.

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2498	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Rather than offering grants upfront, it may be more effective to provide incentives or rewards ("carrots") to businesses that have demonstrably increased reuse, refill, or waste reduction
2499	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Regarding the establishment of this small business funding program, I think the first step is to clearly define which type of waste the government aims to target. There needs to be a clear direction first, and then funding programs should be designed around that specific waste stream.For example, Vancouver already has several reuse initiatives focused on reducing single-use tableware. If there are clear goals and a roadmap outlining how to scale these initiatives, such programs can be very meaningful. But if funding is just scattered here and there without a unified objective without specifying which waste stream or solution it addresses, it easily leads to problems like weak oversight, unclear impact, and poor cost-effectiveness. So I think before allocating funds, it's crucial to carefully assess whether this investment is truly worthwhile.
2500	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	The challenge is how to check whether they're actually creating ongoing impact. Should there be regular reporting to show their results?)
2501	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	If resources are being put into a grant and resources are put into enforcement, is this a good direction?
2502	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Questions and Comments	Is relying on economic incentives a truly sustainable way to encourage reuse in the long term?
2503	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	It would help if the grant process were simple and accessible, with multilingual support and practical examples showing how other small businesses have successfully reduced waste
2504	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy, coz the NGO may share the same culture, ppl willing to use/ join
2505	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy, centralize everything on one website so people can quickly see where to recycle)
2506	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Making more promotion online on FB/ IG/ TikTok…etc
2507	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Social media promotion is important to increase visibility and let more people see recycling information in one place. It helps centralize information whether it's about personal practices or about where recycling locations are. information can be more accessible to everyone
2508	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Make sure the information is up to date.
2509	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Need to limit the scope to something washable and not too personal
2510	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Should be OK if suitable items are clearly defined
2511	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	it needs to be easy and convenient to drop things off)
2512	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Lack of space, how can we store the things? Is it clean?
2513	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Ensure sufficient collection points at convenient locations
2514	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In multi-unit buildings, there could be regular donation days where people can leave reusable items for others to take, and whatever remains can then be sent to thrift stores)
2515	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	People are already dropping off donations at the various thrift stores, maybe there should be leaflets or other form of information to tell people where the nearest thrift stores are.

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2516	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Metro Vancouver should work with certified donation partners to ensure bins are safe, clean, and regularly maintained. It's also important to design secure containers that prevent theft or people from climbing inside—since there have been past safety incidents with donation boxes in some cities. Clear labeling and education on acceptable donation items would also help.
2517	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	The main difficulty would be storage space and cleanliness. In multi-family buildings, there's often no extra room for donation bins, and residents may worry about hygiene or pests. A clear schedule for pickup and regular cleaning would help.
2518	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I really like the idea of community repair workshops. Many people here enjoy DIY, and repair services are expensive. So if local libraries or community centres could host repair cafés, it would encourage reuse and community connection.
2519	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Should be OK if locations are convenient
2520	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy, many cities already have repair cafes that rotate around different neighbourhoods. There should be more of these cafes and the items that can be repaired should be expanded.
2521	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	More time slots allocated for "popular" repair categories
2522	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Expand repair cafes, provide opportunities for people to observe and learn, encourage people to volunteer to repair items and pass their knowledge in their own communities.
2523	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Probably easy for me to participate, because I think there are actually a lot of people who are interested in preventing waste, they just don't know how to do it
2524	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy if message is clear and tailored for target audience
2525	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Relatively easy, as the focus is on sharing practical, low-cost strategies that residents can implement in their daily lives
2526	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Deliver these materials through accessible channels
2527	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Visible motivation, reminders, or reinforcement can help change habits
2528	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Providing short, visually engaging materials, tips tailored to different household types, and examples of real-life applications.
2529	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Providing ongoing reinforcement through newsletters or community events to keep waste prevention top of mind.
2530	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I would like to remind Vancouver City had a bring your own cup movement, but it didn't work well
2531	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Difficult for shops with high foot traffic. Imagine if the bubble tea shops or coffee shops are already busy enough/ overcapacity, it wouldn't be a practical solution because BYOC would further slow down their operations
2532	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Difficult to define "fun new elements" because these could be very subjective. co-developed messaging might not resonate with diverse communities

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2533	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy for those who already have the habit to bring their own cups
2534	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Offer discounts for bringing your own cup or utensils to encourage people to use reusable items
2535	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	There is so much waste in food courts and restaurant take out orders when the containers and utensils are all single use items. There needs to be promotions and incentives for people to bring their containers/utensils.
2536	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Besides repair workshops, I think creative upcycling workshops could be great too — for example, inviting local artists or designers to teach people how to turn old materials into something useful or beautiful. It's educational, fun, and promotes sustainability.
2537	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Provide more incentives for businesses to promote bringing their own cups/containers/utensils.
2538	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy to participate if the programs are accessible, culturally sensitive, and tailored to the knowledge level of newcomers.
2539	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Difficult for tourists due to different cultures/ practices. They might not pay attention to these programs or protocols when they are on holiday mood
2540	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Create recycling pamphlets in different languages and distribute them at entry points or places where newcomers often go, such as Service Canada offices)
2541	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Delivered through channels that newcomers and tourists regularly access.
2542	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Regarding the ID78/ question later on about tourists or travellers, it's difficult for them to know how to sort or dispose of waste. Even we ourselves aren't always sure, since each city has different recycling standards. Without a unified system, visitors have no idea how to handle it)
2543	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	When I first arrived in Vancouver, I didn't know that the deposit charged on drink containers could be refunded at Return-It, I only found out later through a friend)
2544	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	More signage at the source of potential wastes, e.g. signage at grocery check outs that plastic bags used in packaging can be recycled.
2545	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's a bit difficult, what kind of recognition or incentive would encourage businesses to take part?)
2546	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Should not be too difficult if targeted probably
2547	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Recognition programs can motivate businesses to adopt or expand reuse, refill, and repair practices by providing public acknowledgment, enhancing their reputation, and showcasing their sustainability leadership.
2548	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If the program requires an application/ admin/ selection process, it shouldn't be time-consuming, unclear, or requires extensive documentation, as this may disincentivize businesses from participating
2549	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Develop a simple matrix for recognition so it's easy to understand. The criteria should also be widely communicated.
2550	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Don't think this is needed. It may be more effective to provide incentives for businesses to have these initiatives.
2551	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Celebrate winners through multiple channels, including social media, local news, and at industry events, to maximize visibility and encourage broader adoption of waste reduction practices.

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2552	13-Oct-25	Focus group notes - Reduce & Reuse focus session	Hong Kong Cultural Society	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Promoting the program widely through local business associations, chambers of commerce, and media
2553	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	How much of a priority is this to you?	1 participants expressed this is high importance 7 participants expressed this is medium importance 1 participants expressed this is low importance 0 participants didn't answer
2554	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's difficult to recycle, reduce, or reuse when it isn't easily accessible.
2555	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There also doesn't seem to be a strong initiative encouraging people to go out, listen, or learn about these topics.
2556	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Some organizers of large-scale events outsource to waste management companies, so hosting sharing sessions within the waste management industry could be helpful
2557	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It might also be difficult if event organizers or companies don't share or prioritize environmental protection values
2558	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	From the perspective of an organizer who don't host events very often, I don't have much motivation or initiative to attend sessions where environmental groups share their stories. To engage people like me, maybe those stories or resources could be shared publicly or online, for example, similar to how Hong Kong's Environmental Protection Department promotes waste reduction, or through short videos that teach companies and event organizers practical ways to reduce waste. That kind of approach would be easier to take in and more engaging. But if I have to set aside time to join a separate session or attend a large 40–70 person event just to listen to a talk, honestly, my motivation would be quite low.
2559	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Is there anything else you'd like to add to the conversation on this action?	My concern is mainly about the location of the deposit sites and how the process works. Are these sites convenient? Will there be vehicles doing scheduled pick-ups? For event organizers, it's difficult because they still need to pay to dispose of waste properly. That makes it hard to sort things effectively, especially since many organizations don't have funding, don't know how to handle it, or simply don't have a vehicle. Most events aim to be simple and accessible, but if organizers have to drive somewhere just to manage waste, it doesn't really make sense
2560	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	From what I can see, does this seems more suitable for larger companies? For smaller event organizers like us who just run simple activities, our environmental impact isn't that significant. It's difficult to justify going out of our way just to recycle a small amount of materials
2561	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Waste collection currently adds costs for event organizers
2562	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Providing case studies, real-life examples, or practical scenarios would help organizers better understand how to take effective actions for waste prevention
2563	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	How much of a priority is this to you?	6 participants expressed this is high importance 2 participants expressed this is medium importance 1 participants expressed this is low importance 0 participants didn't answer
2564	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think education is a very effective way to promote change. In the past, I organized small groups and, as an environmental volunteer, taught children how Hong Kong's recycling system works. Back then, I even took them to visit Hong Kong's only paper recycling factory to see how it operates. We learned that you have to peel off and separate tape before paper can actually be recycled.
2565	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	But now when I recycle here, I often wonder how the system works because I don't know what happens to the materials after collection. I also don't fully understand why we have to separate "hard plastic" and "soft plastic," or why sorting rules differ across locations, it's a bit confusing.If I understood the recycling process and sorting system better, I'd feel more motivated to do it. Education doesn't have to rely only on adults, teaching children and the next generation can make it easier to spread awareness and build habits.)
2566	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Education is a great way to promote environmental action, involve children and introduce how the recycling system works.)
2567	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Even adults are curious about how it operates here, but promoting education through the next generation would be more effective in raising awareness.)

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2568	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Relatively easy because field trips, hands-on activities, and interactive modules make learning tangible and engaging for students, which can increase understanding and retention of circular economy principles.
2569	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Providing materials that align with existing curricula and age-appropriate content will help teachers incorporate activities smoothly.
2570	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	I think site visits let people see things firsthand, it feels more tangible, and learning by doing is a much more effective approach.)
2571	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Collaboration or partnership referral with local recycling facilities, innovation hubs, or environmental organizations would support participation
2572	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	How much of a priority is this to you?	9 participants expressed this is high importance 0 participants expressed this is medium importance 0 participants expressed this is low importance
2573	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Have a more centralized platform that shares where food scraps or nearly expired food can be collected from. This would be especially helpful for event organizers or community groups to gather food for community use or redistribution.
2574	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	How do we deal with sorting?
2575	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I volunteer at soup kitchens and sometimes go to food banks to pick up food. But I've found it a bit disorganized, the types of food aren't always consistent or available every time, and sorting isn't always done properly.
2576	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If food banks often have a lot of surplus food, maybe there could be community kitchens, like in Hong Kong, that use those leftovers to prepare meals. Otherwise, all that extra food could just end up being another form of waste. I also wonder if something like a food coupon system could work here, so people in need could use them to get food.)
2577	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There are already many non-profit organizations doing food recovery work, selling surplus food at lower prices to people in need, for example, the NGO "Quest," where I volunteer, is one of them. But the main problem is that there isn't a centralized organization to organize and consolidate this information. When people in need want to find these places, they often don't know where to look. Many don't have cars, so if there were several fixed locations, like a few sites across different areas, it would make things much more accessible. Right now, everything is too scattered and uncoordinated. People have to search on their own, and it's very confusing and fragmented, leaving many unsure where to start.)
2578	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I agree with this, because I've noticed that applying for services varies across different regions. Some clients get stuck in the process and basically can't access the services they need. Each area has different application forms and requires different IDs or documents, and sometimes the requirements aren't clear. The whole process isn't very user-friendly, which makes people feel awkward and even give up on applying. On the other hand, I've also heard feedback that in some places, people can just line up to get services. So it's important to recognize that there are many difficulties and barriers in these processes, and to listen to clients' real experiences to understand where the problems are.)
2579	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I work in a restaurant, and at the industry level, there's really a lack of channels for handling surplus food. Sometimes we have leftovers that are still perfectly edible, maybe they just can't be kept for another day or two — but we have no way to make good use of them, so we just throw them away. It would be much better if there were a way to donate them to people in need, but we don't have that kind of channel, nor do we know how to do it. Also, if the process is too complicated for restaurants, most will just choose to throw the food out. There's really no system or incentive that encourages food donation right now.)
2580	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	More standardization is needed, different organizations or regions have different rules about what items are accepted, shared, or given, which makes participation confusing.
2581	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	I know people who work in restaurants, and I hear them say almost every day that they have to throw away a lot of food because it can't all be eaten or kept. It's really upsetting to hear. But I also understand why they have major concerns. If they donate leftover food and someone gets sick or has an allergic reaction, the restaurant could be held responsible. So if a food redistribution program is to be implemented, the government needs to address this issue. There should be clear guidance for restaurants, for example, labelling allergens like gluten, explaining what's in the food, and setting out how to handle and store it safely. There also needs to be clear rules on liability: who's responsible if someone gets sick after eating it? This liability concern is probably what restaurants worry about most, and it needs to be resolved before they'll feel comfortable participating.
2582	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	How much of a priority is this to you?	3 participants expressed this is high importance 5 participants expressed this is medium importance 0 participants expressed this is low importance 0 participants didn't answer

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2583	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It could be difficult due to logistical challenges, such as sourcing reusable items, managing washing and storage, and ensuring food safety during recovery efforts.
2584	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think there are already many reusable container or shopping bag programs on the market, for example, T&T Supermarket has its own reusable bags. But I don't think these programs are that effective anymore, because the use of non-woven "eco bags" has become so widespread that people treat them like regular plastic bags, using them once and throwing them away. In fact, producing non-woven bags might even use more plastic than regular ones.)
2585	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Also, from my experience working in restaurants, when customers order takeout, if they don't bring a bag, restaurants often think, "It's easier if I just give them a plastic bag so I can pack it properly." But that convenience adds to the same problem: the overuse of plastic bags.)
2586	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's difficult for restaurants to use customer-supplied bags for takeout because of hygiene concerns.
2587	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	A "bag reuse program" could help, allowing people to borrow a bag if they forget theirs, instead of buying another reusable one.
2588	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Post-pandemic hygiene is still a major concern, and it's not easy for restaurants to reuse or accept customer-brought food ware safely.
2589	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If customers bring their own bags or containers, we're not sure whether we'd be held responsible if something went wrong after we put the food in. Some of their containers might not even be clean to begin with, so there are hygiene and liability concerns. Because of that, many restaurants may not prefer or feel comfortable accepting customer-supplied containers, it's mainly about safety and responsibility.
2590	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver could support the creation of organizations or programs that let event organizers and restaurants borrow reusable food ware, with simple collection and cleaning services.
2591	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	It's hard for organizers to prepare large amounts of reusable ware on their own, and renting them adds extra costs, this is why many end up using single-use or recyclable options.
2592	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	When I used to dine out in China, some restaurants didn't want to wash dishes themselves, so there were rental companies that provided full sets of tableware, they'd place them in front of you and collect them after you finished eating. It was really convenient and made reuse easy. I wonder if that kind of model could work here.)
2593	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Having a centralized program or organization that provides reusable ware and manages logistics would help. Food courts could be a good starting point for such a program.
2594	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Provide clear operational guidelines, build partnerships with reusable ware suppliers, and improve access to food recovery networks.
2595	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	How much of a priority is this to you?	2 participants expressed this is high importance 5 participants expressed this is medium importance 0 participants expressed this is low importance 2 participants didn't answer
2596	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's good if it's actually getting retailers to talk with waste reduction organizers to create solutions
2597	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It depends, experience is largely correlated with the "cost" and accessibility to consumers.
2598	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	What we discussed earlier about food courts also applies here. If environmental or waste reduction organizations could collaborate with retailers and food courts to discuss ways to reduce single-use tableware, that would be a great direction.Right now, people are quite reactive, they just use whatever is available. But if there were proactive measures, like offering a small discount (say $1) for bringing your own container, it would really encourage people to stop using disposable ware and bring their own instead.So I think this is an area where waste reduction groups could engage with retailers to explore collaboration and make progress together.)
2599	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Policies and measures need to be genuinely effective, otherwise, they may lead to unintended side effects, like what happened with reusable bags. It's important to evaluate whether these actions truly reduce waste or simply shift the problem elsewhere.

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2600	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Could be difficult if the retailers are not grounded in shared goals or if if stakeholders have differing priorities
2601	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Provinces have different limitations, constraints, or cultural practices so developing measures in national level might not be practical
2602	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Start with regional or provincial pilot programs before scaling up to the national level, especially when there are still many uncertainties. This allows for testing, learning, and adjusting policies to ensure effectiveness before wider implementation.
2603	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Is there anything else you'd like to add to the conversation on this action?	There's another example from Hong Kong where in some places, people can refill their water bottles for free. I think if we could partner with certain companies or retail locations here to set up water refill stations, people could easily refill when they pass by, for example, at sports stores. It's not just about promoting sustainability, but also about improving the overall customer experience in those spaces.
2604	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	Do you mean getting retailers involved to help customers reduce waste?
2605	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	I've been thinking that for people like me: newcomers with limited income, no car, and who are more cost-conscious, the experience really depends on both price and accessibility. Things like how many recycling points there are, how convenient they are to reach, and whether there are extra costs associated with being environmentally friendly all matter. Sometimes sustainability ends up being more expensive, for example, having to pay a few dollars for a non-woven reusable bag. For people watching their budgets, those small costs can add up and discourage participation.)
2606	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	The government is the same, for example, in Vancouver, there's a bylaw requiring businesses to charge customers for bags. If they don't, it's actually illegal. The rule even specifies that the bags must be durable enough for around 100 reuses, and those usually cost about a dollar. But even when you charge for the bag, it's not clear what happens afterward, where those bags go or how they're used. On the other hand, if you don't charge, the business is breaking the law. So it feels less like a genuine environmental effort and more like a regulation to follow. These bags aren't cheap either, so for consumers, it ends up making "being eco-friendly" feel like an extra cost. For restaurants, it's also hard to avoid raising prices when switching to "eco" materials or utensils.Maybe there's another approach,like in Hong Kong, where some restaurants such as Café de Coral charge one or two dollars for a reusable cutlery set that customers can take away and use again. Could something like that work here?
2607	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	It's important to engage corporations and retailers to integrate these initiatives, making them readily and commercially available for consumers to participate in.
2608	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Establish clear communication channels, pilot programs, and shared success metrics among partners to ensure the solutions are practical and meet real community needs.
2609	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	How much of a priority is this to you?	0 participants expressed this is high importance 3 participants expressed this is medium importance 4 participants expressed this is low importance 2 participants didn't answer
2610	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If it's at the initial evaluation stage, participation would be easy since it mainly involves consultations and analysis. However, moving from concept to implementation would be much more difficult due to real-world challenges, such as finding suitable locations with steady foot traffic and coordinating among diverse tenants with different business models and priorities
2611	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	A recycling depot open day could follow a similar concept, combining repair services with education on recycling and sorting. However, it might be missing the "buy" or exchange component that encourages reuse and circular participation.
2612	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Repairing household appliances is more important, it's something we don't see very often in Vancouver)
2613	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I really agree with this idea of exchanging skill sets, but I'm not sure how people can actually connect with each other.)
2614	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Don't know how to connect these people in the community?

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2615	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Provide solutions for transportation, storage, and other logistical challenges related to item movement
2616	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Start with a small-scale pilot or pop-up version to test community interest and operational logistics before committing to a long-term reuse mall or permanent facility
2617	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Is there anything else you'd like to add to the conversation on this action?	There is a market for this, but even value village/ thrift needs to overprice things to be operationally sustainable.
2618	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Is there anything else you'd like to add to the conversation on this action?	I have a small idea: in the past, there was a "time voucher" program in Wan Chai, Hong Kong. Besides recycling old items, it also encouraged people to support each other through their talents. For example, if my sewing machine breaks and I don't know how to fix it, maybe someone else does. And if I know how to unclog drains, I can help them in return. These kinds of programs let people exchange their skills and help each other, making the system more sustainable. I think it's a really good idea, maybe something like this could be done here too.
2619	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	Can you explain what a "reuse mall" is? Is it like a buy-nothing?
2620	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Offer incentives for the public to buy second-hand products in the "reuse mall" — ensuring prices remain reasonable and not overpriced.
2621	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	It's also important to evaluate public perception of the idea, since long-term success depends on strong community interest and ongoing participation.
2622	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Some of my friends often need to find furniture urgently, like second-hand pieces, so I think there's definitely a market and a need for it. But the current second-hand market isn't ideal,Facebook Marketplace doesn't always work well, Little Star isn't cheap, and even Fellow is expensive. The biggest problem is transportation. If I want to sell a sofa, I still need to find someone to help move it out, which costs a lot. Same with cabinets, how do you move them, how do you find people to help? So if we really want to promote reuse, we need to think carefully about storage and logistics.
2623	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	How much of a priority is this to you?	0 participants expressed this is high importance 3 participants expressed this is medium importance 4 participants expressed this is low importance 2 participants didn't answer
2624	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If you talk about the initial evaluation stage, it would be easy because it's mainly consultations and analysis. However, coordination among municipalities, vendors, and washing facilities may be complex. It will also be difficult if data on current waste streams, usage patterns, and logistics are limited.
2625	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's hard to see this being feasible, is it meant to be a service, a system that organizations must follow, or just a set of guidelines? If it's only guidelines, it will be very difficult to implement effectively.
2626	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It's really difficult, it would be especially hard for businesses. I can't imagine how they could coordinate and manage all of this.
2627	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If it's a one-time event where all the reusable food is given to participants to use and then collected afterward for washing, this kind of system might actually be feasible.
2628	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Is there anything else you'd like to add to the conversation on this action?	Reallocate resources to evaluate the feasibility of other actions
2629	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	I'm not really sure what kind of system this is)
2630	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	Isn't this hard for national food chains to adopt?
2631	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	This is a bit confusing, isn't there a lot of different rules for each municipality?
2632	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Engage subject matter experts and key stakeholders including local governments, food vendors, and businesses managing washing and storage to co-design practical models and share data.
2633	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Conduct case studies from other cities or countries that have implemented similar systems to guide design and build confidence in long-term sustainability
2634	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy to participate, scaling up and expanding reuse drop-off locations builds on existing infrastructure and habits around visiting recycling and waste centres.

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2635	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think the current recycling stations are too far away and hard to access, you basically need a car to get there. For regular people without cars, it's very difficult. Metro Vancouver could expand access by partnering with supermarkets or big retail stores like Walmart or Superstore to add collection points, that would make it much easier.)
2636	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Locations needs to be more convenient/ higher traffic area
2637	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Is there anything else you'd like to add to the conversation on this action?	5 participants expressed this is high importance 1 participants expressed this is medium importance 0 participants expressed this is low importance 3 participants didn't answer
2638	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	Are there any recycling facilities at SkyTrain stations right now? It would actually be great if recycling points could be set up inside the stations.)
2639	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	I'm wondering why we don't have something like Hong Kong's "Green Community" system, where people can take items to recycle, earn points, and redeem rewards. That model seems very effective,why don't we have something like that here?
2640	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	Why aren't there any recycling measures at transportation hubs, like SkyTrain stations or bus stops?
2641	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Make depots more accessible and standardized. Partner with supermarkets/ mall/ high traffic areas like transit
2642	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Provide support for non-profit recycling organisations to secure accessible locations at affordable cost
2643	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	I think the recycling depots here are in pretty poor condition — they often smell bad because many people don't rinse their recyclables properly. The odour makes it unpleasant and discourages people from going. On top of that, not every depot accepts all types of materials. Some only take bottles, while others require you to go elsewhere for electronics. It's extremely inconvenient and not user-friendly, so many people just give up on recycling altogether.
2644	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Difficult. Each event is different, so it's hard to develop a one-size-fits-all approach. Costs, storage, and staff training could also pose barriers. Focusing on educating organizers to assess and prepare the right amount of food to reduce food waste is more important than finding solutions to resolve and redistribute food surplus.
2645	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Provide toolkits, templates, and contact lists for food recovery organizations, reusable ware vendors, and waste management support.
2646	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Training sessions or workshops for event staff could also improve compliance
2647	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Subsidized program or funding support to offset the increased costs of waste prevention.
2648	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	How much of a priority is this to you?	4 participants expressed this is high importance 2 participants expressed this is medium importance 3 participants expressed this is low importance 0 participants didn't answer
2649	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	A lot of money and resources are spent on research, but it's unclear how those findings are actually applied to policy or put into action. Honestly, I don't even really know what kind of research they're doing. I think instead of spending so much time on studies, more effort should go into public promotion and outreach. The problem isn't always that people don't know, sometimes it's that they can't do it, haven't done it yet, or simply don't know where to find the information or how to access it easily.)
2650	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Think this question is too general because it doesn't clearly specify what kinds of barriers it's referring to. So when people were responding, they didn't really know what to talk about. The main issue is that the question itself is too broad and doesn't define what kind of barriers it means.)
2651	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This action is too general because it's just researching the barriers, but not actually solving the barriers?
2652	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easy to participate if there is an established network. Collaboration with the provincial government, industry, academia, and community groups can pool expertise, funding, and networks, making research and solution development more efficient and impactful.

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2653	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Ensure the priorities among stakeholders are aligned and bureaucratic processes do not slow decision-making
2654	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Is there anything else you'd like to add to the conversation on this action?	I think it's important to consider the cost factor, using recycled or reusable materials often increases expenses. If retailers end up bearing much higher costs, it can really discourage them from participating. So there needs to be a balance.
2655	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Is there anything else you'd like to add to the conversation on this action?	I don't understand why things are so different everywhere. For example, even something as simple as whether compostable bags are accepted varies between cities, and it's really confusing.
2656	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	Are they trying to find partners to help uncover or understand the challenges faced by field services, fairs, or event organizers? Is that what this is actually about?
2657	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	Questions and Comments	Is it talking about products that are made from recycled and upcycled materials? What exactly does that mean does it actually turn into things like sneakers or other kinds of products?
2658	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Establishing formal partnership agreements, defined project scopes, and regular coordination meetings.
2659	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Creating working groups focused on specific barriers so different discussions/ R&D can happen simultaneously
2660	13-Oct-25	Focus group notes - Community leaders and organizers focus		General public	What should Metro Vancouver consider to support your participation with this action?	Crowdsourcing ideas from schools and communities
2661	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Placing more green bins in the garbage room
2662	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Workshop in my seniors buiding in many languages; locked garbage so drive-by's don;t dump
2663	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Dates for recycling boxes emptied
2664	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	We already have it
2665	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	One shared bin
2666	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Composting
2667	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Our building provides free compostable bags, which is great!
2668	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	A building compost bin -- but who would maintain it?
2669	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	More green bins and free at home green bins
2670	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	To give us a compost bin
2671	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Force my landlord to get us a compost bin. Make it mandatory.
2672	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Frequently pick up to prevent rodents and pests
2673	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Easily accessed composting bins
2674	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Better and easier ways to dispose of it
2675	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	It should be as easy as flushing the toilet
2676	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Yes,specified bins colors.
2677	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Our area for food waste is disgusting. Too small. Not kept clean. I would like to see landlord to do better, and all tenants to receive a better kind of container for disposal of food stuffs, as the current green ones are horrible bug saturated bins. I get hundreds of fruit flies each day. I still have an outbreak of fruit flies and my bin has been empty for a week! They won't leave!
2678	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	It is already very easy
2679	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Asking for more green bins for the building
2680	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Share with neighbour
2681	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Community composting locations/drop off.

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2682	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Yes away from a McDonalds. Our bldg is rat infested because of them!
2683	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Publications posted at buildings on how to avoid the "never wash food waste bins, get maggots"
2684	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Good signage to post with directions and postive impact
2685	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Have an actual bin and pickup at all apartment buildings, mine does not have food waste or green waste pickup
2686	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Garbage chutes in the buildings for food waste
2687	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Bags to store food waste in that can go in compost
2688	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Apartment too small to store food waste
2689	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	On-site composting.
2690	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Our organic bin works well I think.
2691	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	My apartment building has good compost. Similar to recycling, I'd like to know more about what is and isn't accepted, and for there to be more information broadly available about the importance of composting vs. throwing food scraps in the garbage.
2692	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	We have containers for regular recyclables but no place to take out furniture and appliances and they clutter our garage entry & corridors
2693	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Not really we have a pretty decent system here.
2694	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	We have a compost
2695	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Soup! COMMUNITY KITCHENS :::one single kitchen for the entire CO-OPERATIVE OR HOTEL OR LOW INCOME HOUSING FLOOR! Swimming lessons; tickets to pools: saves water!!!
2696	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Home composting Bins
2697	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Signs we can post. Accurate signs on the containers.
2698	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Make it more organized.
2699	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	More different kinds of recycling
2700	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Provide personal size compost bags for the bins kept under the sink. Have a day that someone will collect tor accompany seniors in particular to recycling room. It is in the best and many do not feel safe to go alone
2701	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Just buy less
2702	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Looking for ideas for other residents who don't know how to recycle
2703	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Somehow getting the message to the younger residents (20;s) in the building
2704	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Meal plans
2705	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	More info about cleaning out containers. Compost bins are good. pizza boxes?
2706	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Our bin fills up quite quickly.
2707	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	Sharing unwanted/unused produce
2708	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	Do you have ideas about how to make it easier to recycle food waste in your building?	We already have worm composting.
2709	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	More garbage and recycling bins on streets
2710	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	No, my apartment building recycling is sufficient
2711	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	There should be a recycling fee/deposit baked into the price of items to incentivize. And a higher "non recyclable" fee baked into the price of non recyclable items, to incentivize reducing waste.

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2712	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	My landlord refuses to get a compost bin, but everyone in the apartment building wants one.
2713	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	I live in a building where a lot of people don't care about how they recycle so, when I take my recycling out to dispose of it in the designated bins with my stuff separated accordingly, I wonder how much stuff actually gets recycled because it's usually just a big mess in the recycling bins. For the most part, there's plastic bags and non-recycleables that people throw into the food waste/scraps bin, and it's really frustrating because I don't believe that it's actually made into compost by the city.
2714	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	I loathe the yellow paper bags - they constantly get stolen and I've had to pay to replace them and it really sucks. There needs to be a better way - even just having people stick all their collapsed cardboard into a box instead of a bag. Or have a separate smaller bin.
2715	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	Residential apartments need City's financial funds /grants, spaces , big bins , volunteers helpers from city to grow food plants at patios based on the soil composted from food waste daily .
2716	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	It'd be nice if we actually recycled some plastic locally. What we have is a farce.
2717	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	Places open late or on weekends
2718	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	I wish food would not be sold in plastic.
2719	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	I wanted to check more than 3 in the above question.
2720	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	I recycle cloths and household items to second hand or thrift store but as I am getting older it is more difficult to take thing there
2721	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	Cardboard gets wet : how can we prevent this?
2722	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	More educational workshop in different languages
2723	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	Recycling bins in public that accept more materials
2724	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	SOFT PLASTIC RECYCLING PLEASE!!!!!
2725	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	Pick up points for construction and renovation debris
2726	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	Th recycling depot I take my bottles to stopped having bins where we could drop off batteries, lightbulbs etc. Somehow they are no longer accessible? Seems quite strange. They mentioned something about “going to the other side” but there were no directions or instructions.
2727	16-Oct-25	In-person facilitated survey - open end responses	Food Stash Foundation	Public members-at-large	What would make it easier for you to recycle more materials?	Recycling is not the solution; changing to what other countries, are already doing - compostable packaging or NO packaging all all, is the solution.
2728	16-Oct-25	Focus group - post session evaluation	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Additional feedback	Time is of the essence and while I appreciate the continued effort to update/improve SWM plans (every 5 years I think it is), I believe it's imperative to implement some real regulations that are going to address our waste problem swiftly. And this needs to be coupled with enforcement obviously.
2729						It seems too often that municipalities have bylaws in place but don't commit to enforcing them....so nothing changes, and they don't collect $ to pay for/offset the cost of enforcement.
2730						As we discover and assess other opportunities and best practices around waste management, we could move away from enforcement and towards these softer approaches.
2731	16-Oct-25	Focus group - post session evaluation	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Additional feedback	Perhaps the rethinking piece could be include mindset messaging that says, "preventing waste means stopping excess; sharing excess "
2732	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	High 8/8
2733	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	What is Metro’s communication strategy around this? Sometimes we get some little flyers ‘this is how you recycle’, and I find some greenwashing information on it. What will the information look like- something we can actually use? E.g. use the reusable mugs, because even if you think you can recycle the cups, they have a plastic liner
2734	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Refill - my focus on corporate plastic waste reduction - after years of researching refill options in offices, I’ve been hitting a wall. I can’t find suppliers, hence why I'm going to try to start a company on my own with that issue.
2735	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If you’ve noticed, a lot of the refill shops have been closing after COVID, or during COVID, so I find it harder to refill for our whole household unless I really take the time to go to places further away. How will they communicate that? Will there be actual actionable items - like MORE information on where can you refill, actually? Are there QR codes that will immediately give you a map of refill shops in the Vancouver area? Something EASY - people don’t like to do hard things

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2736	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	When I speak to people in my office on recycling, everyone feels great that they're doing recycling and putting items in the blue bin. What we also know through the recycling program, comes with a bit of greenwashing. A certain portion of it doesn't get recycled, or is shipped overseas or burned.
2737	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	So, refusing and reusing more efforts, rather than just making people feel okay about recycling.
2738	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I'd like to see the principle of the 15 minute city brought in. I'd like, within a 15 minute walk or transit of my home or workplace, to have these amenities available - for reuse, repair, refill.
2739	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I'd also like to see TEAMS that are SPONSORED by Metro Vancouver.
2740	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Part of the engagement process is looking for volunteers to organize an event. That's the hard bit. But if we had the package so Metro Vancouver sponsored a team of enthusiastic "Zero Waste Technologists" to zoom into your workplace, school, church, community center, and what the volunteers at the center do is just the venue and some kind of lure, like a free donut if you bring your own reusable mug - something like that could work for engagement.
2741	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There's a lot of negativity out in the world, and if these events could be associated with something fun and festive; people show up and feel good after they leave, I think that's a big help.
2742	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	What the other said, it's REALLY hard to refill right now, and reuse and repair - even in North Van, I have to drive about 20 minutes to get to my Zero Waste center.
2743	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Make it easier for people; a 15 minute city - Metro is already embracing that
2744	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Just HAVE containers that, like in a food court, have containers that are clearly marked where you can put items.
2745	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	As far as getting the message out; the message would be defined by how well the practice is.
2746	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	When people were talking about refilling - back in the day, it meant your milkman came and refilled your milk, and your cheese. Maybe, the possibility - people have gotten used to their groceries delivered, and their takeout food, and those prepackaged meals like Chef's Plate - it might be cool if the city or region started cultivating the practice of getting things refilled through door service.
2747	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	A lot of things people have embraced that were old school ideas that were back in our daily practices
2748	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Also - thinking about youth, who have embraced and 'verbed' it, calling reuse 'thrifting' - a lot of people in the under 30 age group are really fired up about reusing clothing, thrifting. So, leveraging the thrifting movement to create an opportunity to have the youth not drinking coffee beverages in disposable cups. Everyday, I see a parade at 3:30/4 o clock of iced coffee. Just to make that correlation that reuse is across the board - why not have your coffee in a cup. I'd pick something specific, drilling in on the youth generation possibility here.
2749	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I would say no, the demographic would be more inclined to learn things at school, make it cool, be part of the crowd that is not using a plastic cup to have your coffee. Understand it's not really recyclable when you drink coffee from a plastic-lined cup.
2750	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	They're really about the influencing culture, and the younger generation would influence the older generation who is actually used to drinking out of reusable / china cups.

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2751	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Get statistics about how much you are saving by refilling or reusing
2752	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Living 10 years in Vancouver I didn't even know that. As an energy mentor with a company in the past; I communicate with many organizations like BC Hydro, Fortis BC, CleanBC, even educating someone about recycling, saving energy, saving money
2753	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I find it really, some point that we can work on the immigrants, because they don't have so much knowledge on exactly how they can compost, recycle or the other initiatives
2754	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I would be happy if I can share my experience, and if there's any opportunity to share and bring lots of my experience and ideas for Metro Vancouver.
2755	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There are MANY Persians or other immigrant groups who don't know any concept about recycling and reusing
2756	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	That would definitely be her interest, if she had any chance to give her any connection, the best person for assistance.
2757	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The majority of my fellow citizens throw things in black containers that go into landfills; even conscious and wonderful friends. So, how to reverse that is the most challenging - we're obviously failing to a large extent.
2758	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I actually think we've got the best system, with all its flaws, aren't we further ahead than anywhere else in Canada? And is there any jurisdiction that's more ahead in recycling than BC?
2759	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The Reuse Revolution is the next goal, the next step in everything that Vancouver's already doing in the Reuse, Sharewares - people reusing containers from small companies. This is them going out ahead, and Metro is obviously trying to do their part, so advertising in ANY way, in ANY mode is going to show people that there's something BEYOND recycling.
2760	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	A lot of people are not happy, they think recycling is a waste of time, so advertising REUSE and getting that message across is a good idea.
2761	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	How can they get the message across? The Return It cartoons that I thought were highly effective, where Metro has hired ad companies who are experts at targeting different groups, whether they're immigrants or old fogies with white hair, or they're young people who only go on Instagram. I think it's up to them to decide which are the groups that are most important to focus on, and an Ad agency would then be able to most effectively target which combinations of media would be the most effective.
2762	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	It's quite vague, what they're proposing, so I have no idea if sharing best practices is going to BE effective or mean anything.
2763	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Can I ask maybe - how can I find out about how much every business gets charged for the waste they produce? I'm asking because one of my pitches for selling up the refill station for offices would be to make a point that right now, business XYZ has to pay X amount of money to have those plastic bottles taken away every month. So yes, case studies about the savings cost.
2764	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Also - stickers everywhere if reuse is welcome. But also, can coffee shops put stickers on their doors saying 'bring your own cup' or 'we appreciate you bringing your own cup!' if you see that sticker in your face every time you open the door! It seems like such a simple little fix. They pay for that disposal to take away anyway! I want to start a sticker business now, for shops to put up these signs.
2765	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	I want to think about examples that are working now… and there are many other municipalities in Metro Van, thinking about the reusable bag initiative, the scenario where we've started switching to reusable bags - there are a LOT of people who've been affected by that, especially in Vancouver,because we had a bylaw first,t and eventually the province
2766	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Is there a way for Metro to leverage that experience that we collectively went through as the reusable bag being the example - it's a reusable item, it was uncomfortable at first, but when we changed our habits, now most of us are getting used to it, we don't complain that there's no plastic bags for garbage
2767	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	What are the positive outcomes of that? Has there been less pollution found? Is it cleaning up the landfill a little bit? Is there less pollution in the water?

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2768	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	When we THINK about reuse - you guys have already DONE it with the reusable bag, already gotten on board, willingly or begrudgingly, but it seems to be working pretty well. So that shift in mentality;
2769	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	We have tons of visitors/tourists all the time. Can we share something of our mindset, our intentionality around how we use things and reduce waste, with visitors?
2770	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I'm all into participating in reuse, I do as much as I can. I'm having a bit of trouble dissecting this question.
2771	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Seeing more readily available opportunities in everyday living; so, more restaurants and grocery stores ADVOCATING or having SYSTEMS IN PLACE that allow for reuse. Like bringing my own containers to take food away from a grocery store, or a restaurant.
2772	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	For me, I do it anyway, so I don't think Metro Vancouver sharing best practices will help me - but certainly for the larger population, I think tHEY'RE the ones that need to know.
2773	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	For example, if I bring my own containers to a restaurant or bakery to go - the staff and employers thank me for doing that, but it's them wanting to take the initiative to do that, and then on the other side, the customer base needs to know that there's a space for them to have those options.
2774	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	You see signs like "Safe place fo rLGBT community" - it's okay to be , something similar like "It's okay to bring your own container, at the deli, the restaurant, etc" They value this, they're supporting me doing this. If I do it, someone next in line sees me doing it and it catches on like that. But it's about KNOWING that it's even an opportunity. As an easy first step, so long as businesses are in support of it and are set up to wash tongs that touch containers, etc.
2775	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Number one, it's not clear to retail shops, butchers, and bakers that it's OK to refill people's personal containers. It's been inconsistent reception where I've been, until people recognize me because I'm a frequent visitor.
2776	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Also, the other speaker reminded me why I joined SPEC, which was about being a multi - family dweller. Here's something I'd wished for and now I think may be possible - the City of Vancouver has told developers that there is a regulation that there has to be a certain number of bicycle spots.
2777	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Now, why can't Metro Vancouver specify to developers that there needs to be a dedicated - not a GARBAGE room - call it something else? Maybe a "resource recycling and sharing room" = bit a specific building amenity with standards, maybe invite the interior design group of BC to say something, or the architectural institute to say something
2778	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Our kitchens have to have counters at a certain height, why can't the recycling room have a countertop at a certain height, with a wash basin, so you can wash your hands after? An inviting room which maybe becomes recognized in some buildings as a gathering space
2779	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I know some buildings where there's a lot of single people, people love to go out and do their laundry because they meet other people in the building
2780	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Why can't we elevate the whole experience of separating our recyclables into something like that
2781	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	One idea - I frequently hear from staff at food service places that "Oh, they can't accept a reusable container because of the HEALTH requirements"
2782	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I often then say, well, what health requirement are you talking about? And they don't really know but they just are under the impression. Maybe it's a leftover from COVID.
2783	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	My suggestion here, for Metro Vancouver to make a FORMAL request to the Vancouver Coastal Health, to rewrite the entire health requirements not from a point of view of let's - it seems its entirely written from a point of view of saving human lives - which obviously is admirable, but the fallout, and unintended consequences of that, is that our environment that supports the air and water and the things we need to live, are being seriously damaged because of the health department.
2784	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	So, I would request of them that we need them to rewrite the health requirements so that the environment flourishes, and the humans flourish. This will be very difficult for them to think. They have to do some research.
2785	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Adding to the prior point - Prov BC does have protocols in place for resto's to accept reusable containers....it does exist...but to Brian's point, restaurant's don't A. follow it, B. know about it C. don't set themselves up to be successful at it.
2786	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Share best practices not just for residents and communities, but for businesses. The businesses will make it a norm through their own systems display.
2787	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	How much of a priority is this to you?	High 7, Medium 1
2788	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I guess it would be easy for the transparency. I'm struggling a little bit with the question, too, because, not that anyone cares - a lot of people don't realize that a lot of the plastic gets shipped, who knows where, so if they find out that the plastic gets shipped elsewhere, like the USA, and goes who knows where, they may not recycle as much. It would be better if we fixed the system!
2789	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	My first thought was, it's easy to share and be transparent- but if people find out it's not magically going off somewhere and becoming something lovely, that might be a disincentive. People will throw their hands up if they don't trust. I bought plums in a paper container, which was great. But i bought gatorade in a plastic bottle that was packaged in paper. Maybe there will be a big kerfluffle and a change, if people disagree with recycled items going abroad.
2790	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To be honest, I don't consider myself stupid but I struggle with the questions, too. And I usually get things. So I find the questions difficult, the way they're worded.

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2791	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I relate to the previous answer - if there's more transparency on where things go, they might not feel good about it, because it would show the percentage of what gets incinerated, what gets shipped away, what ends up in god knows where. The truth would come out.
2792	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This would be most useful only if it also emphasized the REUSE and REDUCe as solutions to the problems, not just finding more local recycling markets.
2793	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	For me I think it's easier if we're talking about recycling as in composting. I'd love to see an event at the peak of growing season in Metro Vancouver, July-August, a week dedicated to some kind of visible sign that says "local compost used here" This is of course assuming that the organic composting is successful enough to be resold or redistributed as a fertilizer.
2794	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Let's say to my gardeners - your leftovers are growing my containers. To communicate that some good things are happening
2795	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	As someone who volunteers for public outreach, I have found it really challenging to defend recycling sometimes, because I don't have the whole story.
2796	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	For example, the only company that I know of locally that reprocesses is Merlin, and even so, I don't know exactly where they are, I've never been there, I haven't attended any workshops that explain what happens to Merlins' processed products, so it is a barrier for me.
2797	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Referencing the other speaker - I find what they were saying, dead on - people just put it in a black container
2798	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The other issue is; how ARE things being reprocessed? How many things ARE redone and recycled properly? It's an informational gap that is HUGE, I think.
2799	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	When you recycle plastic - DOES It get recycled, does it really become something else, another plastic? All that information, I'd love to see.
2800	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Sharing information has pros and cons; it's best if things are being done right, more locally, and really turning into something new.
2801	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Definitely I agree; transparency is the best way forward for honesty of the customer and who produces waste
2802	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Honestly, as you mention it; the best way is transparency with REAL data and the exact, real information that you share - at least, on the website or on social media or whatever
2803	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	So, when you make people educated with REAL data, it definitely affects their minds, and they change their thoughts. This is real, this is the concern, this is the wildfire every year - so something exactly; this is the reason behind that. If we show them the real results of recycling, based on real exact data - definitely it can work for them.
2804	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I would recommend knowing information. The bottle depots added a few years ago - where each of these materials are getting recycled, and how. I don't know how many people read them, but for me it does make a difference.
2805	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I would highlight Merlin. I think Merlin is a huge, global success story, and to highlight that in BC, most people think that. I've been to Merlin. I think they're a very secretive company, because they're afraid that I'm working for one of their competitors who wants to steal their system, so they've been very strangely unwilling to talk to me. But, I think the facts have come out after; it took them years to finally announce what they were up to

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2806	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	So, to advertise - everyone thinks only 7% of plastics are recycled, because that's some north american average. And the fact RecycleBC is up to 56% and I think the recycling regulation wants them to up that to 75%; isn't that the system.
2807	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To CELEBRATE that WE'RE leading the WORLD in localizing, and plastics are getting recycled here.
2808	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There's a need to know, if you're being transparent, that what we're doing is actually good, and to celebrate where we are succeeding and doing a good job.
2809	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Do you know if there's any indication of how much budget Metro Van is willing, capable and able to put at actually delivering this? There's a lot of IDEA generation, but the more money they have, the more money they're committed to this, the more actions they'll be able to take on?
2810	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Or is it more like, they'll take all the ideas and afford what they can
2811	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Or is it like, it's not an essential enough service that we can't afford it this far.
2812	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I don't feel like it's going to help me because I do it anyway, but I think for the masses, transparency is going to help. I think RecyclEBC is one of the best ERPS out there. I find their website pretty good in terms of telling stories of where things go, telling the REAL story. I'd love to see that amount of information on the other EPR programs. I don't know if they do as good a job as RecycleBC on where their end markets go.
2813	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	That would be a minimum requirement from all EPRS, including the stuff that's collected - RecycleBc is collected at home, but also the stuff you take at the depots, like electronics, styrofoam. Where are the end markets for ALL of the streams that we engage with, not just at home, but also at depots?
2814	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	The other thing - I don't know if - if I know where all the end markets are going and how things are recycled- I don't know if that's compelling enough for some people to participate
2815	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	I think it has to be linked to behaviour change. How does it affect THEIR communities, how does it link to their local community? Is it worse off for the community, is money going outside of the community. Is it providing more jobs or not?
2816	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	How is the way we engage with waste and its end destination, related to our personal lives, how is it relating to us locally that would compel us to want to shift our behaviour, knowing the impacts of the data, the implications. Not just how it's getting recycled, but why does it matter?
2817	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	My contribution would be - I wonder, in my world, I feel that we're all like as scouts that go into the future and solve the problems that are coming at us, so when they are presented to the mainstream, we've worked out what does and doesn't work, so the mainstream can adopt them
2818	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	Partly this whole process is that way of trying this out, trying that out, and finding the way that people WILL accept, versus rolling it out in a way that they won't accept
2819	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	But to me, my zero waste world revolves around having a zero waste KIT WITH ME at ALL TIMES when I'm out in public
2820	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	And, to me, the idea of going out in the urban wilderness is the same as going camping. E.g. I'm living on the sunshine coast with grandchildren, and every time we go on the ferry, there's all those recycling bins, and the ferry people tell me they're so contaminated, they have to landfill everything
2821	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	I don't trust any business, any municipality to take care of recycling, so I think it's my responsibility to take it home, always.
2822	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	So if I have a backpack with me, then I've got my zero waste kit and I'm reusing it constantly, and finding out who will take items or reuse them, and if they don't, I just take it home and compost or recycle it at home - so, bingo, actual zero waste.
2823	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	The idea that Metro Vancouver could actually SAVE Money and not put things into recycling containers that are so contaminated. Is it 80% are doing a good job, 20% contaminating, and it ends up =in the landfill?
2824	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	If Metro is able to communicate that idea of Rethinking - what came to me, it would be called - "how to buy the clean future". It would have a logo that was a four leaf clover, and the four leaf clover would have four actions - so, every time you approach a cash terminal, number one - stop - Number 1 RETHINK! Don't approach the cash terminal. Number 2 - REDUCE - don't buy it. Number 3 - REthink it - is this clean and healthy, what I'm about to buy? Just reflect. Number 4 (petal of the clover) - buy the clean future This will just evolve one step at a time, forever, one purchase at a time. You'll find out - oh, this thing broke, maybe I heard there was something not clean about this. Maybe I don't know if it's clean. So maybe I can, can AI, right there in the store, tell us what's not clean, if you ask it?
2825	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	Popularize having a zero waste kit. Explain how to go about reducing waste out in the 'urban wild'. (with regards to sharing best practices)
2826	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Final thoughts	Metro is encouraged to be creative around marketing the new RETHINK value.

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2827	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Questions and Comments	Very affirmative attitude about the addition of 'Rethink' to the waste prevention hierarchy.
2828	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Questions and Comments	The 65% recycling rate from the opening slides - how much of that is actually still being shipped away? How much of that is still incinerated?
2829	16-Oct-25	Focus group #2 notes	Master Recycler Vancouver (MRV) of SPEC	Public members-at-large	Questions and Comments	I don't understand how they got the 65% recycling rate; that sounds very good. When we talk about the recycling that happens on a home by home basis, it seems pretty good, where plastic and paper goes. But I work at the port, and we go into a food court - they have these different containers. To me it's a hodgepodge, no one knows which goes where. I am curious about that percent.
2830	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	How much of a priority is this to you?	High 12, Medium 1
2831	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	How much of a priority is this to you?	Swaps are easier and need to be prioritised. Not everyone needs to upcycle.
2832	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Barrier to participation as a student not that much, but social barriers. Having it at places where people go often, (cafes, libraries, local thriftstore,), monthly, frequent,
2833	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Subscribe for a ticket - essentially like a classroom so you see the same people again and again.
2834	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Hard to find advertising. Need to promote more. We never know.
2835	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Promote on social media and posters on bills.
2836	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Posters at the library, thrift stores,
2837	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Ads on city website
2838	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Open to families (have child care included, or make it such that children can also participate.
2839	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	Questions and Comments	Is there a budget in place?
2840	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Medium (only if they are upcycle artists and can do public events. We want to be offline)
2841	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Would be cool to partner with makers and upcycle artists. Way to highlight the local businesses.
2842	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Partner with fashion schools
2843	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There will need to be a range. Not really influencers, but some community artists, that way it can be accessible to community.
2844	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Create the infrastructure first, then do the influencing.
2845	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The city has good options for thrifting, consignment stores,

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2846	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Suggest partnering with neighbourhood communities and centres.
2847	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	People are more motivated to
2848	16-Oct-25	Focus Group #2 Notes	Threading Change	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If it's posted as a solution, if artists that can create public activation events to get the community involved?
2849	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High Priority.
2850	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	In your day to day life it may not seem like a high priority with everything else someone has going on, but with awareness and education it is obvious that these actions are of high priority to our community and wellbeing.
2851	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If you are a student it sounds relatively easy to access these programs if it were included in schooling. However, if you are a member of the community, time and cost could be potential barriers.
2852	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Many accommodations could be made, like free barrier to entry, flexible learning options such as online and transportation support.
2853	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	These programs should be open to youth and community members at large for the biggest impact and youth-driven.
2854	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	We need effective waste and recycling systems to function.
2855	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Educating young people is a necessary long-term approach to fostering a circular economy. Through understanding waste systems early, students develop sustainable habits, which then positively influence their families and communities. This foundation is needed to create systemic change, transforming knowledge into a culture.
2856	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	I would be encouraged to see Metro Vancouver connect these education programs to real initiatives, like student challenges, hackathons, or school recycling competitions, that are active and visible learning. Exciting guest speakers and mentorship opportunities could be initiated by partnerships with local sustainability organizations, like non-profits or green tech startups.
2857	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would this only be available to schools or expanded in the community?
2858	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would these programs be limited to certain communities or age groups?
2859	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	What ways could these be made accessible as possible?
2860	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would these be youth-led initiatives or a variety of community members?
2861	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How interactive would these events be?
2862	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would these be inclusive and youth-driven events?
2863	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How can these programs be made as accessible as possible, especially for those with disabilities and tight finances?
2864	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	While the youth-driven component is important, I think it is also important to expand these programs to the broader community.
2865	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Codesign programs with students and faculty to ensure learning is based in youth interests and sustainability issues in their communities and everyday life.
2866	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Multilingual support and resources to improve accessibility.
2867	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Volunteer and youth-based events to promote the widest community and youth engagement.
2868	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Provide leadership opportunities for students and youth to promote waste reduction in their schools and communities.
2869	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Promote the events as ways for youth to support their community, while developing their professional and social skills.
2870	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	It's possible this initiative could encourage a positive culture shift, as local businesses take pride in being sustainable and residents feel empowered to support them. It would be ideal if the program included youth recognition, such as an award for "Youth-Led Circular Initiatives" or a partnership with student entrepreneurs.

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2871	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	As a youth, it might be a bit difficult for me to participate directly in a business certification program, since it's more geared toward business owners and organizations. Though, I would still be interested in supporting or engaging with certified businesses. For instance, choosing to shop locally at those businesses or helping promote them through social media and community events.
2872	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Getting the word out is important and doable. Educators could give businesses and communities a learning session about why certification matters. Labels like "green" or "vegan" just do not matter if people do not understand why they are labeled that way. A learning session for businesses would be a great way to spread knowledge.
2873	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It should be somewhat easy to implement if the requirements are clear and attainable for businesses. It could also encourage people to buy local and support their local economy.
2874	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It'll be hard to get this new idea off the ground and really change how our community thinks. For lasting cultural shifts, we absolutely need a long-term plan and starting with young people is needed. If we can integrate these concepts into their daily lives early on, even through school, they'll grow up with them. Don't expect instant results.
2875	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	A certification program can make sustainability more visible, trustworthy and attainable, especially for younger people who want to see real examples of circular business models in their communities. Residents are not directly involved but this certification program plays a crucial role in shaping the local economy and influencing that culture shift.
2876	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Progress would be limited if you do not have business on board in some way. If they are not reducing waste or adopting principles of circular economy, then there will not be a significant impact.
2877	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would businesses and people be incentivized or encouraged to participate?
2878	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	What type of programs would be offered?
2879	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	What would be required for a business to acquire circular certification? How easy would this be?
2880	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would youth be included in this initiative?
2881	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Are Indigenous perspectives considered and centered?
2882	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would business be supported and mentored?
2883	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would this be promoted?
2884	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would education be incorporated into this program?
2885	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Make sure that small and local businesses have the means to participate and are supported through mentorship
2886	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Including educational components for residents and youth would show how local consumption choices can contribute to circularity.
2887	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Celebrating and showcasing certified businesses through community events, sustainability fairs and local markets that welcome youth participation.
2888	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Develop youth-led awareness campaigns, perhaps through schools, volunteer programs, or social media collaborations. This would help to build community pride centered around the certification program.
2889	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	HIGH PRIORITY
2890	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participation might be difficult unless there are clear opportunities promoted in the community. Young people do not often receive this information directly. Social media, school networks or community events would be helpful.
2891	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Accessible communication and flexible ways to get involved, like surveys, pop up booths, or short volunteer opportunities
2892	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	This collaboration with external groups such as schools, non-profits and businesses can help generate that culture shift that we talked about earlier.
2893	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Metro Vancouver should incorporate mentorship programs or innovation challenges. Youth can co-develop projects with local organizations that are rooted in circular economy principles
2894	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Transparency regarding initiatives and progress reports from Metro Vancouver would help public trust and motivation
2895	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would there be penalties for not adhering to circular economy initiatives?
2896	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How could it be marketed and generate interest?
2897	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How will Metro Vancouver ensure Youth voices are heard?
2898	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Funding or micro-grants for youth-led projects?
2899	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How will success be measured?
2900	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	What external groups would be most interested? (schools, libraries, community centres)
2901	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	What groups might be more hesitant? (businesses, real estate etc.)
2902	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How will these groups be chosen? Open calls to the community?
2903	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Will there be a clear hub for communication where residents can track initiatives?

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2904	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver should consider creating youth centered spaces like workshops at schools, libraries, or recreation centres.
2905	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Things like volunteer certificates, community service hours or small incentives (honouriams) to encourage participation
2906	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Collaboration with youth councils, local colleges and universities, environmental and sustainability clubs.
2907	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	HIGH PRIORITY
2908	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participation could be made easier by hosting Indigenous-led community workshops or learning sessions. Offering school credits or volunteer opportunities to students.
2909	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Creation of online sign up or quick, shorter-term projects so youth can fit these in their busy schedules.
2910	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Food and Agriculture presents a massive source of waste. The waste in these sectors must be tackled if we are going to make a meaningful impact in sustainability. There are also many opportunities in the community and as an individual to reduce your food waste. So I feel like this might be one of the easier initiatives to scale up.
2911	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	This program can be done in line with Canada's spirit of reconciliation as outlined by the Truth and Reconciliation Commission
2912	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	It is important that Indigenous communities are co-creators in this program and not just consulted after. Mutual learning is also important
2913	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	I think most youth love the idea of more hands-on community projects such as shared gardens, food forests and composting hubs
2914	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Where do you go to get resources on community gardens?
2915	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	What role would Indigenous people or communities play in this program?
2916	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would youth be encouraged or incentivized to participate?
2917	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would Indigenous, First Nations and Metis members be included in the design of programs?
2918	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would there be clear education components that focus on the cultural significance and sustainability of Indigenous practices?
2919	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would Metro Vancouver ensure Indigenous communities are equal creators in this program?
2920	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would there be more education opportunities to learn about the history and significance of Indigenous agriculture/permaculture practices?
2921	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would Indigenous Youth or youth groups be included in leading and designing the programs?
2922	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Could year-round designated spaces be created for this initiatives?
2923	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would Metro Vancouver make sure that these programs and collaborations are beyond symbolic and encourage partnerships, respect and reciprocity?
2924	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Partnerships with local First Nations, Metis and Indigenous groups would be crucial to the success of this program.
2925	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Medium Priority
2926	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	An average citizen cannot participate directly. However it could have big impacts on the waste produced by consumers.
2927	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	As a young person concerned about climate change and the environment, a sustainable procurement plan for organizations and businesses is an important shift.
2928	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This might be difficult for direct participation as this action centres organizations and procurement processes
2929	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would Metro Vancouver make this program appeal to businesses and residents?
2930	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How to access these procurement programs?
2931	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How would procurement decisions be made?
2932	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	What say would the community have in these decisions?
2933	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How will the environmental impact of new procurement processes be evaluated?
2934	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Will there be transparency and reports made public on the progress reducing waste?
2935	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Incentives or recognitions for organizations that use this program?
2936	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Transparency would be crucial to show residents how procurement decisions are made and what they can do to influence them

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2937	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Education campaigns focusing on the environmental impact of various purchases and how sustainable goods improve local economies
2938	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Supporting local and youth-led business that create eco-friendly products that could be included in the procurement network
2939	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Partnering with schools through projects, challenges and advisory committees that can brainstorm new potentials for product design and procurement
2940	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Medium Priority
2941	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	As this is geared toward businesses, there might be less direct impact. But this could have a significant impact on shifting the culture that we discussed earlier.
2942	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Similar to the previous program, this would be a bit more difficult for average people.
2943	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Youth and community participation in the development of these educational tools could be meaningful.
2944	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Tools should be made accessible as possible. This could include various languages, formats and online sources. Partnerships with schools, universities and youth organizations to promote and develop tools.
2945	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Reducing packaging, reusable options and empowering people to make better purchases would also shift this culture.
2946	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Maybe if the education tools were open and available to the public the benefit might be greater. Such as some online hub or platform as well as town hall style events.
2947	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How will Metro Vancouver include youth and the broader community in this program?
2948	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How will the tools be made available to everyone to have the most benefit?
2949	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Recognition or certification programs for businesses that use the tools?
2950	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How will Metro Vancouver ensure accessibility for all residents? How will low-income and newcomers access this?
2951	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Could businesses partner with local schools and universities to broaden impact? Successful examples of waste reduction could be demonstrated to the community?
2952	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver should see youth as both consumers and creators/entrepreneurs. Many care greatly about the health of our environment and are also creating small businesses and solutions.
2953	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High priority
2954	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	As highlighted in the Indigenous-led permaculture action, changing our food and agriculture systems can have a massive impact on waste reduction.
2955	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Again this is mainly focused on businesses and organizations. Participation for people might be easier if there were awareness campaigns, food rescues or drives and volunteer events
2956	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If there were clear hubs or resources that the public could access, like waste reduction workshops, community kitchens or partnerships with schools. That way I would be more motivated to access these programs
2957	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Community fridges, composting and zero-waste cooking would also help shift culture and habits.
2958	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Is there anything else you'd like to add to the conversation on this ACTION?	Creation and support of food-sharing networks like apps that connect people, stores and non profits to redistribute food.
2959	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How will the food industry and grocery stores be supported to reduce food waste? Donate food?
2960	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Would youth or schools be involved in the programs? How so?
2961	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Expansion of community composting and gardens?
2962	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Small grants or recognition for community and youth-led food waste ideas?
2963	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	How will progress be tracked and reported?
2964	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Questions and Comments	Similar to the last action, how will accessibility be ensured for all residents? How will low-income and newcomers access this program?
2965	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	As we talked about, educational campaigns and social media events that focus on food storage, recipe planning and waste reduction in the home and garden

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2966	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Partnerships with schools, youth organizations and local celebrities could have an impact
2967	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Volunteer and internship opportunities offered to youth like food recovery or composting programs.
2968	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Additional feedback	I would appreciate if there were more opportunities to provide feedback.
2969	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Additional feedback	Make it easier for residents to understand
2970	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Additional feedback	Engage more with the public, we want to learn more about what is going on
2971	18-Oct-25	Focus Group Notes	Bioloop Foundation	Public members-at-large	Additional feedback	In-person feedback events would have been a better opportunity for residents to connect and create community
2972	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Examples	Buy-nothing groups: hyper-local online communities where members can borrow, receive, give away, or exchange services for free. (ex. Buy Nothing Burnaby South East group on Facebook)
2973	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Examples	Shared fridges: a fridge with donated food that's for public use, or fridges in shared housing like dorms or apartments (ex. Collingwood Neighborhood house outdoor fridge)
2974	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Examples	Refill at retail: Customers bring in their own packaging such as bottles, glass jars, and containers to fill up and reuse (ex. The Soap Dispensary and Kitchen Staples, who refill bulk hygiene products)
2975	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Examples	Packaging reuse systems: Durable containers or packaging that is returned to a business or collection point and are repurposed instead of discarded after single use. (ex. Avalon Dairy, where customers return empty glass bottles, receive a cash deposit, and then the containers are cleaned and refilled with milk)
2976	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	How much of a priority is this to you?	Low to medium priority
2977	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The government should promote buy-nothing groups
2978	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	More advertising and communication of when and where sustainability events are happening would be helpful
2979	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Questions and Comments	What is a buy nothing group?" A concise description of a buy nothing group was offered, but further clarification was needed for one family who had not heard of this before
2980	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Location of events or programs must be central to transit and also have parking
2981	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Support increased sustainability events through commitments like funding and providing the space
2982	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Examples	Repair cafes: Free periodic events where you can bring items like small kitchen appliances, clothing, or electronic devices to be fixed by volunteers (ex. Kitsilano Community Centre, Oct 11, 2025)
2983	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Examples	Free swap events: Events where people donate portable items that are in working condition and can browse the tables for an item of their choice. (ex. Halloween free swap event, Oct 25 at Renfrew Community Centre)
2984	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Examples	Reuse centres: Vancouver tool library, a library that loans various tools for home repair, gardening, and bike maintenance, along with offering affordable workshops that teach you repair skills
2985	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Examples	Community gardens: shared space for people to cultivate fruits and vegetables, which is a good opportunity to support food security, learn about composting practices, decrease food waste as what's grown is being locally consumed, and transform vacant land into productive green spaces (Ex. David Thompson Secondary School greenhouse)
2986	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	How much of a priority is this to you?	Low to medium priority
2987	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The government should create better advertisements for repair cafes to make participation easier
2988	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	More government support for community centres and other social hubs was preferred regarding facilitation of regular repair cafe events
2989	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	Questions and Comments	"What is a repair cafe?" A few Asian participants stated that this was new for them. One family has held on to their fan for 2 years even though it does not work as they don't know what is wrong with it – the fan is in good condition and they can not find affordable, if any, repair businesses that will help fix it
2990	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Community centres can be far away from home, so it would be convenient if more repair cafes or recycling centres are part of local stores as well
2991	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Preference for accessible information on where and how to repair and recycle items like electronic devices or cooking pans
2992	19-Oct-25	Focus group notes	NatureKids BC	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	A hybrid sign-up and drop-in system for electronic repair cafes would be beneficial, so that the people running the event would be able to get a sense of the questions and problems ahead of time
2993	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	Clear and labeled bins/bags for ease of recycling
2994	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	I think I recycle fairly well
2995	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	More recycling facilities

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2996	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	At the beach - more options to throw garbage. One bin for all is the choice we have at most beaches.
2997	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	If my family was on board.
2998	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	Having items be less reliant on plastic and other single use garbage
2999	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	Depots close to home
3000	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	Access to be able to drop off or have items picked up.
3001	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	Ease of knowing where to take it
3002	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	Convenience and easy process
3003	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	Conveniently located recycling centres
3004	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier for you to recycle more materials?	One location for multiple types of recycling
3005	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	Chickens
3006	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	It’s easy in our building
3007	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	It's already easy for me
3008	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	Family being on board!
3009	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	Having something like a Lomi
3010	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	Organics roadside pickup (not currently available)
3011	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	Drop off locations in the neighbour or pick up at the door
3012	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	I use compost
3013	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	Programs to clean green bin/food waste bins
3014	19-Oct-25	Online Survey - Open end responses	NatureKids BC	Public members-at-large	What would make it easier to recycle food waste in your building?	Containers
3015	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Mixed (Low to High). Supporters noted SMEs lack the capacity to develop circular models independently. Others saw it as a "nice to do" that could be achieved with smaller campaigns, arguing that other actions are higher priority.
3016	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: An unfunded mandate for municipalities; potential for inconsistent messaging.
3017	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Metro Vancouver must take a leadership role and collaborate with municipalities before engaging external groups; frame circularity in terms of economic benefits made newly viable by technology like AI.
3018	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Oh, boy. I think it's, you know, it can be done. Absolutely. There's room for improvement in terms of, you know, at the Metro Vancouver level. Do I think it's a a priority? No. I think it's a nice to do and I think there's very small wins that can happen that don't need to be a high level strategy. I think there's just little campaigns that can be done that can move some momentum on this.
3019	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I think it's important because if we take a look at where the majority of the focus has been to date, it's really been on single family homes and a little bit on multifamily and where we really need to move the needle is on the enterprises. We also were facing trade tariffs and supply chain disruptions and all kinds of things that the more that we can move to a circular economy and have our businesses understand it and support it and be able to access supplies and be stronger the better for everybody I think and also I think we're going to start to get more creative ideas and we've seen that organizations like Synergy are already helping with this and also I was part of a project team that did it with the District of Squamish. And it's actually like it's going to take time, but it's actually really cool to see the enthusiasm of the local businesses. And getting that business community on board is going to be really key.
3020	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I personally I'm very interested in this right now because I think it goes back to something that was said earlier and that was like does the economics work? And I think we're at such a fascinating point right now with the introduction of AI that while something may not have been economical for the last 10 or 20 years, all of a sudden with AI and the developments we've seen over the last year or two, it has become economical. So I love the I think it's absolutely worth the calories as you said it today to reook at this because it's got a completely different lens and we've we may be at a completely different may have a completely different outcome whether we move forward or not today versus where we were at even a few years ago. So I'm all for it.

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3021	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To me I think I'd hope people would find it to participate for sure and I don't know how easy it would be necessarily but I think with having that guidance from like your chamber of commerce that you have it makes sense like I don't think you'd be able to have a guideline or if you don't do it with a guideline I think people in businesses are going to be confused and I think you're going to have a lot of wrong um like information come out if you don't have a strict or at least a guideline what to do on like participating in a circular economy. So to me I think it's pretty important that you have that backup that provides that guidance for people to be successful.
3022	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, I mean I I do think it's a great idea. Um I for as a starting point I don't think that you know small and medium a lot of enterprises are not equipped and don't have the capacity to put in the time to really figure this stuff out. So I think that's overall I think it's a it's a great idea. Um whether or not you get buy in is is a different issue but at least having you know entities be equipped I think is a good starting point for sure.
3023	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Um well, I think it would be something that I'm assuming that Metro Vancouver would do in collaboration with also uh member municipalities um to sort of get buyin from them. Um and I do think it is very important to provide that practical guidance. I don't think all businesses um they don't have the capacity to work out what it actually means in their context like a circular economy. So I think like practical being with great examples it could be sector based examples um maybe some uh case studies and so on. So I think um I think this one is important.
3024	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, I think absolutely it matters because I know even within the city of Vancouver we are already working on things like this. So we it would be great to get support and to share information. So I think it's ideal um to incorporate the municipalities as well.
3025	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: Lack of clarity on which agencies would be involved; potential for limited influence by a regional government.
3026	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Incentivize local processors to create regional end markets; ensure buy-in and a shared understanding of "circular economy" among partner agencies.
3027	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Medium to High. The action was praised for its potential to create both high-skilled and low-barrier local jobs. A circular economy was viewed as a high priority for local government.
3028	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I think with the goal of reducing what's being landfilled creating spaces for circular economy should be a high priority for local government and waste collection.
3029	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I also said high because you have like I think with ECAVs agencies a lot of times they you know can create like low barrier jobs or help prop up workforce that might be harder to employ and stuff with also the benefit of the reduction in waste.
3030	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Well, we have the Vancouver chapter and we've worked with local governments before for to support reusable systems and institutions to support reusable systems. So I think if there's funding or you know political will to do it then we absolutely can.
3031	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I really like this one to be honest because I think it all comes down to economics unfortunately. I think one of the challenges that I've seen and I'm very new to this industry and working for a pro and understanding how EPR works and all of this. I think what I'm hearing and what I understand is that we have the technology to do full circularity in a lot of instances. What the challenge is is the end market and making sure we have local processors who can actually support it. So yes, the technology exists. Yes, it's possible to recycle things and reimplement these systems, but unfortunately some of these processors don't aren't regional, like we don't have them here. So, you're shipping product to other provinces just to close that loop, which is kind of counterintuitive. So, if we can incentivize more local development in that regard, I think that that's a win and makes the system more resilient.
3032	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, I would say where we're headquartered right now is mostly in the CRD. We're early days out in Vancouver with a new location, but something like this, I think it was really really well said by Participant 2 and if there was an opportunity to that we needed to help connect the dot I think that's exactly why we're here today is to try and and facilitate those those initiatives. So, absolutely I think the initiative if anytime that there's an opportunity to make things more efficient and even if it means it us bending over backwards, I think that's absolutely on the table today.
3033	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Sorry, one more thing. What I love about this is that it kind of hits economic development can hit both sides of kind of the spectrum. The tech, the entrepreneurship, the innovation, the manufacturing expertise that needs to go into that is a high-skilled job or opportunity for high-skilled tech and innovation. But in terms of the people actually working the line and doing the work is a low barrier you know it's job creation for all skill sets and it's a way to get into the industry. And anytime we can make local jobs and have a local industry I think is like a positive especially when it can hit high high caliber skilled trades as well as low barrier jobs as well like it does both.

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3034	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Sure. I think this is definitely a little bit more abstract, I would say, from what's being presented through this this action. So I'd say one from a municipal government perspective, I think it is a kind of regional lead on this and you know it with invitation for municipalities to support and participate when they can, but I do think it is on a more regional level for sure. And then just beyond that, I would say that the economic development agencies, we also have to make sure there's buy-in on that end and buy-in like kind of across the board because if it's one agency that's focused on it and another one isn't, I think that you can create some incongruity with where businesses are willing to go. And then also making sure that they fully understand kind of what we mean by all of this and what a circular economy really looks like and what it means and that staff within these agencies are actually prioritizing it at some level in their business plans and I don't know if we can force that but definitely being very clear about what we think is our priorities and ways that these agencies can action that is needs to be focused.
3035	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: A significant trust deficit based on past Metro Vancouver actions; lack of specificity.
3036	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: This action needs to be made much more specific (e.g., updating zero-waste event guidelines) and must be backed by transparent funding and trust-building measures.
3037	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Low. This action was widely criticized as being too broad, vague, and overlapping with other actions, making it difficult to measure.
3038	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I feel like you're you're looking like I think you have to have a specific initiative you have to look at. Got to be more Yeah. As as in like if if we tell all these collaborators like, 'Yep, we're going to need you to pick one initiative and you're going to go find it and do it.' I feel like you're going to have too many hands everywhere and I feel like you need to focus on one specific initiative that you want to think focus on rather than like a um a whole case of everything at the same time. That's how I'm interpreting that.
3039	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Sure. I think one of the things that happened the last planning goround in 2010 2011 is that Metro Vancouver said it was going to be about zero waste and then they had a plan to build up to six new incinerators. That kind of greenwashing and that kind of um oh disillusionment I think for a lot of the people who were very excited at the beginning of their planning process meant that uh people didn't want to work with Metro Vancouver. So, I think they the elephant in the room is really that they're planning on keeping the incinerator. That is going to take up most of the finances, which means that there's going to be very limited opportunities to do this. And then if you take a look at some of the stuff they've done in the past, which was in all intents and purposes circular economy and zero waste, but like some of the NISP things, um really it was a lot about exchanging materials to burn it. And so that is why I think this is a trust issue now for you on this one. So you they have to rebuild some of the trust to for you to feel that this one needs to be more of a priority.
3040	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think with this coming like just this specific action ID017 um I feel like it's a bit too there's too much overlap with the other two uh and probably many other ones too, but I think because it doesn't really mean that much like it's too broad. I think that also probably will make us all feel like it's less important because the other ones were more like economic development. They were a little bit more specific grasp them a bit better. Um so I think this one I would encourage them to I don't know I just feel like it's probably covered in others. I almost feel like this one is too broad to it needs more.
3041	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I feel like if uh if you're going to sort of like report on progress and then eventually say like yes, we did it. How are you going to say we collaborated? Because I think... How do you measure collaboration on... Yeah. Is that sharing information? Is that just getting everyone in the same room? Is that like you know putting money in in a pot with somebody else? And like it could mean a lot of things to collaborate.
3042	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: Unfunded mandate for municipalities; businesses are primarily profit motivated.
3043	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Metro Vancouver must define its role (e.g., as a consultant); create practical, industry-specific toolkits (e.g., for restaurants); frame circularity in terms of bottom-line benefits.
3044	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Medium. Seen as a more specific version of previous actions. However, the "push" approach to education was questioned.
3045	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It could be difficult to know what our role would be in that particular um idea.
3046	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Uh easy to get involved but difficult to maybe meet the the barriers for what we've considered it successful… education is always difficult to attain as it's always evolving and and changing. So, yeah, I think that that's the bottom line. We could be involved, but would we be able to meet the level we want?
3047	10-Oct-25	Sector engagement focus group notes	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition	What should Metro Vancouver consider to support your participation with this action?	Content should come from Metro Vancouver - bring in subject matter experts

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3048	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I was honestly hoping you wouldn't call on me for this one because it's really uh it's one I almost want to spend a lot of time thinking about. Like on one side, I totally see the value and I want to see that, but I also know like that a lot of businesses, they're going to be focused more so on like the bottom line almost as their first initiative… I'm trying to think of the most successful way forward and it's almost like maybe there's a unique way where you if your mandate was to look at circular solutions but pair that with like a consulting initiative that was translating that to the speak that I think a lot of private businesses are looking for on how how you could circular bringing in a circular economy like that could be helpful to their bottom line like now you're speaking their language and I could see that being like a lot more receptive… but I also know like people who want to make an impact are are very at the forefront of that already. Like I don't know if you need to have someone pushing education if you truly if this is part of your brand and your initiative as a business like I think you're already there educating yourself as like an entrepreneur.
3049	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I find this one is such a mouthful. I had to read it like six times the reading comprehension muscles going… I think to Participant 10's point is that you know you do have your your people who are way in front and and and their whole business model is is structured with this in mind and and that's great to see and I think they need to be celebrated. Absolutely. But I think it is naive to kind of rebuild an a business that's been in business for a long time with one that's been built that way from the start… So if you want to educate those businesses or you want them to start adopting some of those things, I think you really have to design it for someone who's already been in business and already has existing processes and and um you know suppliers and all that kind of stuff. So creating toolboxes that meet um individual businesses where they're at. And then and and by industry, I mean like pick the pick the worst culprits first, right? I mean, all businesses, that seems pretty lofty. Restaurants. Okay, we understand restaurant problems. We understand restaurant waste. Here's here are three things you can do as a restaurant today to help with this, you know, making it really impactful, actionable, specific to you.
3050	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: None identified; strong willingness to collaborate
3051	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Prioritize this action; actively partner with expert organizations that are already leading this work and have ready-made solutions.
3052	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High. This action received nearly unanimous and enthusiastic support from the group. It was seen as a clear, actionable, and high-impact priority.
3053	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah. I mean, my organization is already doing this at all levels with local, regional, provincial, the national government. We're taking part in the global plastics tree to look at hard to recycle plastics for elimination. So, this is something that we're already doing and we really want to continue doing this work... Meeting with Metro Van and the municipalities in Vancouver. And there's so much that can be done following like what's being done in Victoria and Tofino and Ulta with banning single-use plastic water bottles, work to do on coffee cups and lids, banning single-use items for dining in making sure there's reusables for dining in and a long long laundry list of hard to recycle plastics that can be eliminated that have sustainable alternatives. We should absolutely be prioritizing this item.”
3054	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We're already doing that collaboration and it speaks to some of the other points we've talked about like we've worked with regional districts, local governments and chambers all together to make sure that businesses get those educational resources so that they're fully knowledgeable about the changes, their staff can speak about it to visitors, etc.
3055	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: Scale of implementation (business-by-business is infeasible); potential administrative burden on businesses
3056	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Develop industry-specific toolkits for waste reduction rather than focusing on reporting mechanisms; work through service providers who already engage with businesses.
3057	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Mixed. Viewed as potentially valuable but also a massive undertaking. The focus on estimating and reporting was seen as less useful than providing tools for actual reduction.
3058	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Oh, so many thoughts on this one. I find both actions really exciting. Uh my first thought on ID 102, it would be incredible to do this. I think It would be challenging and I can speak at that from like working with the Clackwood Alurnie Regional District and Surf Rider and working to develop methods working with local businesses to track the amount of waste they're generating, their recycling contamination, the amount that's going to landfill, compost, etc., and working with them to divert that waste and like to actually reduce it at the source. It's a ton of work, but it's been super successful when we've been able to carry it out consistently and being able to measure that has and like has been huge. So, I think it's going to be hard, but the payoff can be a lot if there's the capacity to do it.
3059	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I'd be really curious to see how they implement this because going from business to business seems like um a really big initiative. I could see them more doing this by like type of business.
3060	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There's a funding if there's lack of funding that that just makes it even harder.

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3061	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I was just thinking I guess I focused in on the word waste reduction… I read it as being that you don't even create things that needs to be recycled. It's higher up in the hierarchy. It's like making sure that we have less single use.
3062	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think if you like look closely at the words they're saying they want to develop tools to ate waste production and that is data driven and data that doesn't currently exist for in a lot of cases. Um so I kind of question the approach there rather than developing methods to reduce waste and sharing that with uh with businesses. They're developing estimation methods on you know essentially how to give yourself a scorecard on how you're doing to reduce waste… And so it requires some reporting and data collection and I I think that's while important and easier for you know us to do at a depot or a landfill weigh everything um can be trickier for businesses can be a big administrative lift and again like I think focusing on just actually how to can we reduce waste… doing it by category where so so restaurants here's a toolkit on waste reduction whether it come is single use or food waste hotels here's a waste reduction kit, you know, on whatever it is. So going by industry and and developing toolkits, I think is more useful than developing, you know, essentially reporting methods.
3063	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: The terms "reuse" and "proven successful" are too vague. Success in one community does not guarantee universal applicability.
3064	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: The plan must clearly define what "proven successful" means and provide specific examples of the types of "reuse" being targeted.
3065	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I think I think it's very relevant in terms of barriers that people are encountering inconsistencies.
3066	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I I think I see consistency as like a key way because it makes it less confusing for people. So if someone moves somewhere and then they see oh this is similar, I know what to do here. It's like it's very helpful for people which then will increase reuse because people will have like a baseline knowledge from somewhere else.
3067	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Medium. The principle of advocating for reuse regulations was supported.
3068	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, this is great. I mean, we need Metro Van to do this, especially when you take a look at the community of Squamish. We had key pieces in our plan that couldn't be implemented because the legislation wasn't there. And especially when the new bylaws came in, when Minister Heyman brought in the single-use bylaw and had basically dictated the pieces in the bylaw to match the large producers, which were the big restaurant chains like Tim Hortons, McDonald's, Starbucks. That meant that local governments had a real struggle to put in progressive legislation and and bylaws. And so absolutely this is very important.
3069	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I do think it's very important. I mean, obviously it depends on what the consistent reuse regulations like what exactly that means but like and where you're implementing it but I think obviously that is a great idea overall. I think one challenge is the whole how to get people on board with it kind of stuff, but I think it's great.
3070	21-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	No, none at all. This is my priority. Most of my efforts are to the public. Regulations, punitive potentially and kind of thing, but this is definitely needed.
3071	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	How much of a priority is this to you?	4 low priority, 1 medium priority
3072	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	Is there anything else you'd like to add to the conversation on this action?	2 categories of new buyers, 1 wants new objects, 1 wants convenience, need to make it extremely convenient to buy used
3073	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Make it free
3074	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Worried about cost
3075	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Make sure fridge is monitored and the food is safe to eat
3076	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Make sure who needs access the most gets access
3077	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Promote it online
3078	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Monitoring ensures people that need it can get it
3079	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Put it in a location that people often go
3080	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Try to encourage people to reuse, consumption is too pushy
3081	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	How much of a priority is this to you?	4 high priority, 2 medium priority

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Engagement Question/Discussion Topic	Feedback/Comment
3082	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	How much of a priority is this to you?	4 high priority, 2 medium priority
3083	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	Is there anything else you'd like to add to the conversation on this action?	Reusing helps foster creativity
3084	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	Is there anything else you'd like to add to the conversation on this action?	For clothing drive we had low participation, how can we increase it?
3085	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	Is there anything else you'd like to add to the conversation on this action?	Spread awareness/education and make announcements
3086	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Need to provide education around REUSE and why its important, show examples of how to reuse materials
3087	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	In school teachers can think of projects using reuse items
3088	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	4 low priority, 1 medium priority
3089	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Not as relevant to youth
3090	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Could have indirect impact but not sure exactly how
3091	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	How much of a priority is this to you?	2 high priority
3092	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	Questions and Comments	How would the network connect the reuse/repair initiatives?
3093	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	Questions and Comments	What is the purpose of having a network?
3094	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Want more bike repair initiatives
3095	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Sewing/clothing repair important
3096	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Network needs to be well promoted so people can be aware of it
3097	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Would be good to have opportunities for intergenerational learning at repair initiatives
3098	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	How much of a priority is this to you?	2 high priority, 4 medium priority
3099	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Need to find a way to encourage people to participate in this
3100	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Donation collection to come to the building for pick up often and during non-working hours
3101	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Offer service to clean the clothing
3102	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Needs to be well managed, consistent and organized
3103	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Concern expressed about how much time this action would take
3104	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	How much of a priority is this to you?	4 high priority
3105	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Have food
3106	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Have honorarium
3107	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	If my friends went, I would go
3108	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Can't be far away, can't commute far
3109	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Has to be dispersed across the region but also in many locations
3110	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Have events at same time and same place, consistency
3111	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Support transportation for youth to come
3112	21-Oct-25	Focus group notes	Fraser Basin Council - Earthworks Environmental Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Facilitate pick up so students cant transit without bringing their items for repair (for example: bicycles)

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3113	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is this to you?	11 medium priority, 1 high priority
3114	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Most students reflected this would be easy
3115	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is this to you?	12 high priority, 6 medium priority
3116	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Dad in Buy Nothing group, post it to facebook and someone picks it up, seems easy
3117	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Buy nothing connects community
3118	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Shared fridge more difficult or uncomfortable, stewarding fridge could be hard. Who takes care of it? Food waste
3119	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Metro van could create a low barrier job for someone to steward the fridge
3120	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Buy nothing transportation, how could I do that? Metro Van to coordinate pick ups
3121	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Medium issue, buy nothing means people giving up their items but with this economy people are more likely to want to sell it
3122	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	This requires a culture shift for folks to understand the mutual and collective benefit, rather than just trying to make a buck
3123	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Make buy nothing groups neighbourhood based, Implement more of them in smaller areas. Thinking about 15 minute cities, set up this kind of infrastructure
3124	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is this to you?	9 medium priority, 4 high priority
3125	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	This is easy because we are already at school, accessible
3126	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	At school we have run some recycling initaitves. Implementing them has been easy, sustaining them is difficult.
3127	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Perhaps Metro Van could fill the gaps regarding sustaining the initiatives. Metro Van can come and pick up the recycling after we have collected it to deliver it to the depot
3128	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Metro Van can provide background support
3129	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Metro Van can provide a knowledge and education campaign, explain importance
3130	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Consistency is important. Don’t just do one offs, do this year round for schools
3131	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is this to you?	14 high priority
3132	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Most students reflected this would be easy because its happening in your home so its very accessible
3133	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Difficult because it needs a facilitator. Perhaps this could be another low barrier job creation? Metro Van to provide facilitator.
3134	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Book libraries are used all the time and people take care of it themselves, they build community
3135	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Easy because most families have a surplus of these things
3136	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Eg. Co-op rec room, converted into a “free store”
3137	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Metro Van could step into the gap by collecting items that get left behind and no one wants
3138	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is this to you?	10 high priority, 4 medium priority
3139	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Most students reflected this would be easy but also none of the students had attended one before
3140	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	Questions and Comments	How can we hear about these events?

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3141	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Host them at schools
3142	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Often and consistent
3143	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Launch a good campaign to raise awareness
3144	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	More ads
3145	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Online and billboards, rent billboards
3146	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Buses and bus stops
3147	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Stop lights where bikes are waiting
3148	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Offer rides from central locations
3149	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Host them outside of school and work hours
3150	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	15 medium priority, 5 high priority
3151	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Majority of class thought this would be easy to participate in
3152	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	Is there anything else you'd like to add to the conversation on this action?	In a later action, it was suggested that the public should have an opportunity to engage in the recycling practice. So if folks could see and experience how textiles are recycled and what they can turn into, that would be interesting and perhaps motivating willingness to donate
3153	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	Questions and Comments	Is there a public available domain that we can look at to check out the status of the actions?
3154	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Put lots of donation boxes that are easy to access and open 24/7
3155	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Come and pick up the textile donation
3156	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Combine recycling bin to include other items that now we have to recycle separately
3157	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Consistent collection times
3158	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	9 medium priority, 2 high priority, 2 low priority
3159	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Majority of class thought this would be easy to participate in especially if they got a reward
3160	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	Questions and Comments	Reward sounds very vague. What kind of reward? Souvenir or cash?
3161	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Cash reward would be great
3162	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Thinking about the bottle depot, can we have a clothes depot? Bring clothes and get money?
3163	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Provide students with volunteer hours for their university applications
3164	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Give tim hortons gift card as reward
3165	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is this to you?	17 high priority, 3 medium priority
3166	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Majority of class thought this would be easy
3167	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Trash bins need to have simple graphics on them

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3168	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Products should have color coding on them so we know where they go
3169	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Need to have pictures to know where to put the trash
3170	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	If we get used to having the pictures, and then some bins don't have pictures, we would feel lost
3171	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is this to you?	13 medium priority, 1 low priority
3172	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Majority of class thought this would be easy
3173	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	Is there anything else you'd like to add to the conversation on this action?	We need to have all of the recycling facilities in the same place
3174	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	Questions and Comments	Questions about whether this action is referencing Artificial Intelligence tools.
3175	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	Questions and Comments	Would this digital tool be in the form of an app on our phone? Or would it be a digital stationary tool that we could visit…
3176	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	Questions and Comments	Will this be like the scanners at Walmart that tell you where the item is in the store?
3177	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	Questions and Comments	If this is AI what will happen with our data?
3178	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Concern about if this action requires a cell phone for use
3179	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Comment that 99.9% of youth have cellphone or access to device, so not a barrier
3180	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Need to keep other options and not just rely on digital tool
3181	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Lots of young people are against Artificial Intelligence
3182	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is this to you?	8 medium priority, 5 low priority, 1 high priority
3183	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Some students said that this depends on how close the tours are, some said this would be difficult, some said they wouldn't want to
3184	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Not much interest about this action
3185	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Mandated by school otherwise students wouldn't go
3186	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Need something to entice people, they might like it more than they think
3187	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Have events at the recycling facilities, like art activities or cooking events
3188	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Go to learn, have trivia or competitions at the end of the tour to get a prize
3189	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Need activities during tour to engage people, e.g allow people to participate in action of material recovery, show how reproduction looks
3190	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	Give university activity marks
3191	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	How much of a priority is this to you?	18 low priority
3192	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Most students identified this action as easy, but quite a few said they would not be interested
3193	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	This action should be combined with action 159, seems like the same thing
3194	21-Oct-25	Focus group notes	Fraser Basin Council - Environmental Science Club	Public (School students)	What should Metro Vancouver consider to support your participation with this action?	People don't know about the reuse/recycling resources that are available. Facebook marketplace has more impact because it is more popular, metro van should build off the popularity of the systems that already work well

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3195	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium priority – metrics first: need to figure out compliance first and then can move to workshops. Would be great to do.
3196	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium priority – Need to know the benchmarks and what the goal/purpose is.
3197	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Agree on the priority medium, and the barriers.
3198	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	As much as priority – waste reduction is higher.
3199	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Priority level is medium – in line with goals. Leadership is putting a lot of pressure on staff to reduce waste but finding the time to commit and help this initiative go further is hard.
3200	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium priority.
3201	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Priority – quite high for PHSA – planetary health is a high priority for PHSA - happy to support and participate in this.
3202	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium-high priority.
3203	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium priority – there may be others that are a higher priority than this one.
3204	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium priority (implied by readiness to trial and coordination needs).
3205	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium priority (aligned with PHSA challenges).
3206	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium to high priority – reduce waste from the system.
3207	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Workshops are difficult unless there are incentives. oHard to get people involved. oIt is always more difficult when having to consider logistics and finding time and resources. oMaybe start with trial workshops to test for interest and then expand.
3208	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The guidelines are unclear in terms of the requirements for accepting waste at recycling and waste centres
3209	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Difficult for Fraser Health because it covers a large area and includes working with many different people. There are people interested in this discussion but facilitating and setting them up would take a lot of time

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3210	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To facilitate workshops within the vast geographic area of Vancouver Coastal health, it is important to start with leadership buy-in. VCH has a strong environmental lead and team for when leadership (CEO) buy in is achieved. Until that time, participation will be low.
3211	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	What is the intended outcome with workshops? Is education the end goal or will there then be additional support for health authorities to implement ideas coming out of those workshops? If we have the time and ability to participate, then what are the expected next steps and outcomes?
3212	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	When developing a singular workshop approach, there will be geographical challenges and concerns due to the differences the locations.
3213	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Finding the right time and gathering the right audience will be very difficult due to schedules and level of understanding and interest.
3214	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	For PHSA, it is an easier place to implement it – as it is geographically smaller (Children's, Women's and BC Cancer). We have the luxury of having specialized sites that service the whole province. Workshops are the path of least resistance. There are already different committees across departments, planetary health committee, etc. can host the workshops with the different existing committees and co-develop as well.
3215	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Interior Health; not in the Metro Vancouver region; difficult to hold working groups and workshops because not only is waste nuanced, but health care waste makes it extra nuanced – biomedical, chemical waste, what is or is not accepted. It is important to have dedicated subject matter experts from MV to understand what is actually being disposed of, and to communicate the guidelines and where everything goes.
3216	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Providence Health Care is similar to PHSA: Could more easily trial these workshops due to size. Challenges are in coordination. Different teams need to be involved – leadership, clinical, also PHSA in terms of procurement.
3217	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Leadership buy-in is essential, especially if resources are required to co-develop, facilitate, or run these workshops.
3218	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Workshops are challenging to coordinate; especially time when there are reviews as there are several reviews happening within the health authorities; looking for cost efficiencies.
3219	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Messaging: If you say you need to attend this workshop because you're non-compliant, that will have more effect. There needs to be an incentive – carrot is much harder so maybe a stick.
3220	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Communicate the benchmarks and goals to education. People need to know the end result to understand the information to be able to move towards those goals.
3221	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Leadership buy-in is key.
3222	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	What does the additional support look like? Having support to run a site pilot. Ways to incentivize front line staff; or even ambassadors for these programs.
3223	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	People have different needs and challenges so being able to cater these workshops to each region will be hard but helpful.
3224	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Finding time will be challenging as will gathering the right audience.

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3225	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	May be a good approach for MV to co-develop waste reduction solutions together with the health authorities. MV's subject matter expertise, and potential innovation is needed because one of biggest hurdles is space. We can have different waste streams, but when separating there are many categories that require additional bins and there is no space. If MV could come up with ways to mix certain streams and then segregate later, that would be a huge victory.
3226	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	As discussed in Planetary health meetings – it is important to start with manufacturers to try to reduce waste and packaging from the outset. Less packaging to have to process.
3227	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Edits to the action	Member jurisdictions will continue to participate in efforts to promote and educate residents on composting.
3228	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	A lot of medical waste is generated from excess materials and supplies that have expired, so it's good to have procurement involved. Run workshops with these folks to go over cost impacts, and brainstorm sessions to allow everyone the chance to talk and hear different ideas. Metro Vancouver can help by – planning the workshops, expertise on ground, and coming up with action plans including roles and responsibilities.
3229	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	What is meant by 'waste reduction' – is it waste segregation strategies? Should also look at manufacturers and producers, and on the procurement end. Workshops on waste segregation make more sense for this audience. It should be the procurement staff and vendors related to waste reduction and source separation.
3230	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Try a train-the-trainer model to facilitate more local level training/workshops. Request that MV remove biases and past experiences with health authorities – the governance of waste is different now. Now there are dedicated teams in each health authority looking at how to deal with waste. There is an incredible level of reduction happening and pride is being taken in the work that has been done. Health authorities are working together while maintaining autonomy; if issues arise with one health authority, it doesn't reflect negatively on everyone; ability to work together and learn together, with tailored approaches.
3231	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High priority: getting data will allow us to work on other options.
3232	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Top priority: understanding and standardizing data is essential to drive real change.
3233	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Higher priority: gaining a better understanding of recycling data and having Metro Vancouver consolidate it across vendors is key.
3234	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High priority: developing a robust and verifiable data system is essential for progress.
3235	7-Oct-25	Focus Group Notes	CityHive	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Nothing pops to mind when i think of metro vancouver, unlike city of vancouver
3236	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	One of the biggest hurdles has been that reporting numbers doesn't necessarily reflect the final disposal methods. For example, segregation occurs at healthcare facilities, but if it all goes to the waste-to-energy facility, it negates the good work that was done. Working on the data and the full life cycle of recycling would be important. This feeds back into getting medical waste back into the recycling and waste centres.
3237	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Data is important, but if it doesn't help find solutions, then it's not useful. There is a lack of resources as well as transparency, sometimes data is provided without any explanation.
3238	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There is limited space to do effective waste audits. If audits were done, they would need to be led by Metro Vancouver with haulers to find suitable locations. When health authorities are asked to provide recycling data and information, we would need to be mindful of potential penalties as a result of sharing that data.Concern that the data may result in penalties, it should be a learning opportunity rather than resulting in penalties that may set health authorities back.
3239	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It is not clear what data received from vendors is important or valid.
3240	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There is a challenge to understand that data, how is it used, and is it useful?

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3241	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We need some sort of standardized approach from Metro Vancouver that we can all look at and understand the use of.
3242	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver can support with transparency of where recycling goes. Metro Vancouver can support in these conversations with vendors to ensure materials are recycled, it would help. Targets would be helpful, if there's something Metro Vancouver would like to see to get health care waste back to transfer stations.
3243	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Transparency is needed on what the data is saying. Are health authorities accountable for that data or are the service providers? Who is generating the data, who is generating the recycling information?Health authorities can report on where recycling is going, but our haulers have to report on what happens to it after the process has been completed.
3244	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver has so much data, but there is not much information on these challenging commercial sectors. We need to work together to get this initial data. Support from Metro Vancouver to work with haulers who operate facilities would ensure we're doing everything we can and that they're also meeting their requirements.
3245	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	We really need to understand the waste requirements – what's considered ok to go to a Metro Vancouver facility.
3246	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver has one of the most robust data reporting systems, but even then, we have nor been provided a lot of information and resources to collect our data.
3247	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Getting support from Metro Vancouver to work with vendors to get the data and audits would help. It's something we are navigating federally with plastics as well.
3248	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Encouraging acceptance of material from healthcare and understanding the limitations through collaboration with vendors that operate within the region would be valuable.
3249	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	The initial areas to focus on include clarity on how diversion is being calculated.We need to know how to compare and equalize the data because different sites are different sizes.
3250	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Don't want to report for the sake of reporting a metric, what should be reported and tracked?
3251	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Diapers make up over 50% of the weight of long-term care sites: can Metro Vancouver help drive a solution if the data is provided?
3252	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	The initial things to focus on are defining what is needed and how to calculate things
3253	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver has a lot of metrics that they look after, but which one of those can drive change? If Metro Vancouver is honest about what numbers are helpful and can drive change, we can work on getting those.
3254	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Can Metro Vancouver work with haulers and contractors? Willing to do audits of recyclables and waste and come back to health authorities with what we're seeing.
3255	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	There are budgetary constraints for health authorities to do their own waste composition studies.

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3256	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	If Metro Vancouver can get the audits done and then communicate metrics, that would be helpful.Need to really understand the waste data, what is considered bio-waste? There is a lot of myth around hospital waste. What is happening to our black bags?
3257	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Health authorities can benefit from Metro Vancouver being the consolidator of data and bringing various suppliers and vendors, who are supplying piecemeal information, into a more standardized dataset. It would be great to understand how data differs between different types of sites.
3258	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	What happens to recyclables once they leave the facilities: oversight from Metro Vancouver could streamline that process.
3259	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	There is a need to create a way to get data back into our hands instead of relying on contractors. Auditing should align with Metro Vancouver's plans.
3260	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Having a system in place that explains which bin to throw each item into is the most critical piece.
3261	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Collaborating with Metro Vancouver and haulers to create new robust systems to get the data that we can verify with confidence, would be valuable.
3262	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Having a robust system in place to communicate what is disposable and what is recyclable is very important.
3263	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	This is at the top of our priority list to work together.
3264	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	It will take a lot of work, but if it is done right, it can help reduce waste in the long run.
3265	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	This is something we are working on, so it is a good start.
3266	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Something that is already being worked on, so it is a good start. There is an issue with being called "difficult-to-manage materials" because there is already a stigma around medical waste. Reducing our transportation and GHG emissions is important to ensure the safety of the garbage that is going to Metro Vancouver facilities.
3267	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Disposal of garbage close to the site is important: reducing transportation and emissions and having staff available to ensure safety of garbage.
3268	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This panel did not exist five years ago, so we have come a long way in focusing more on how things are handled at sites.
3269	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Hospital waste doesn't need to be lumped in with asbestos and liquid waste. We want to be accepted, and given procedures currently in place at sites, we can get there. Why is hospital waste still being grouped with very risky waste?
3270	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It is triggering to see hospital waste being lumped with asbestos. There is a need for an additional term when defining the portion of hospital waste that is dangerous, maybe "bio-hazardous."

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3271	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There is a lot of work going on in our silos in the background apart from this panel. This is on top of our priority to work together. We are already making strides in this direction.
3272	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It is just waste and no different than household waste. Healthcare waste is dirty and not great; we don't have clean garbage.
3273	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We have a whole bunch of stuff that is confusing: biowaste, batteries, and more. We can tell Metro Vancouver where we have challenges, and they can help us come up with solutions on where to put things or how to categorize them. For example, there can sometimes be body parts: what do we do with that?
3274	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If we do our own audits, who do we talk to at Metro Vancouver to make this happen?
3275	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Previously, hospital waste was sent to the waste-to-energy facility due to the risk of contamination. All waste segregation strategies have been strengthened.
3276	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We need to know the guidelines and thresholds to get back into recycling and waste centres.
3277	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Would love more convenient options but need to know what rules we need to follow to get there. It is not our choice to have our recycling sent to waste-to-energy.
3278	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There is a huge bias when it comes to medical waste. There is a lot of work being done by the health authorities. It is difficult to navigate the changes, differences, and guidelines when we don't know what they are.
3279	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yes, hospital waste is "difficult to manage" simply because there are many streams. We are working hard to understand where each stream is going and to provide solutions for each one.
3280	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Now we're stuck at the general garbage component because we've been banned, there is a need to do better, and to be able to go back.
3281	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Each of the previous two actions we discussed today, education and data, will help us get here.
3282	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We all have Planetary Health leads and are working hard to ensure we are doing the right thing.
3283	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This question is odd to respond to because we did not ban ourselves from the waste facilities. We need to know what Metro Vancouver wants us to do to make sure our waste gets accepted at recycling and waste centres
3284	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	To implement this and make it convenient, Metro Vancouver would have to trust our garbage. Assurance that we are doing what we are supposed to be doing
3285	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Taking us out of international waste and asbestos would be good. Our waste is regular waste. It sounds mysterious and hazardous, but it is regular waste.

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3286	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Doing the audits and getting the data will make things a lot easier.
3287	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	MV will take hospital garbage as long as they understand we are doing the hard work — it will alleviate their stress.
3288	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	It is clear from the way this action is structured that there's a lot of fear around this waste.
3289	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	There is a lot of fear around our waste, having some examples of where that fear is coming from would be helpful in learning where the stigma comes from and how we can address it. The opportunity to address the fear and provide education would help both sides. Other sectors that have similar waste are not listed here. Take stigma away from our waste. Bias in healthcare waste. Blood and urine go into the garbage in homes as well, but when it comes from hospitals, it gets scary. Education sessions to alleviate fear would be helpful.
3290	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Hospital waste is stigmatized to be worse than it actually is, but we need to be mindful of recent events that have altered this mindset, such as Bill 47. We now have specific groups within health authorities and dedicated staff to educate staff on site. There is now more control within each health authority.
3291	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver needs to do its own education to understand hospital waste and the new organizational structure.
3292	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	There are also lots of products that have warning signs but don't contain any hazards, for example, an IV bag looks like sharps but it's just tubing. It's not hazardous.
3293	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	We can work with Metro Vancouver to provide educational resources for their staff and contractors so if they see certain things, they are not alarmed. For example, sharps containers that are broken but don't contain sharps, maybe adding a sticker that denotes they are safe and not containing hazards. It will take a lot of work, but it could have huge impacts in reducing waste produced by healthcare.
3294	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	We produce so much waste, and proper education and collaboration could help reduce it in the long run.
3295	22-Oct-25	Meeting notes: Feedback on Options Analysis	Invest Vancouver Advisory Committee (IVAC)	Advisory Commiittee	Questions and Comments	How will the strategies recognize the reality of small businesses? i.e. limited space and staffing.
3296	22-Oct-25	Meeting notes: Feedback on Options Analysis	Invest Vancouver Advisory Committee (IVAC)	Advisory Commiittee	Questions and Comments	Actions could be included in the plan update to help improve circular economy goals for small businesses specifically.
3297	22-Oct-25	Meeting notes: Feedback on Options Analysis	Invest Vancouver Advisory Committee (IVAC)	Advisory Commiittee	Questions and Comments	Look at the supply side – any leads that businesses entering the circular economy space are innovators?
3298	22-Oct-25	Meeting notes: Feedback on Options Analysis	Invest Vancouver Advisory Committee (IVAC)	Advisory Commiittee		Invest Vancouver should have list of these, good to share with the municipalities so that they know of current businesses wanting to participate in circular economy
3299	22-Oct-25	Meeting notes: Feedback on Options Analysis	Invest Vancouver Advisory Committee (IVAC)	Advisory Commiittee		Good to know for municipalities to promote business efforts to advance those technologies/strategies as well as for considering zoning/ permits etc. needed to accommodate circular economy businesses.
3300	22-Oct-25	Meeting notes: Feedback on Options Analysis	Invest Vancouver Advisory Committee (IVAC)	Advisory Commiittee		Sharing businesses in the circular economy space is an important piece of advancing it, continue to do so.
3301	22-Oct-25	Meeting notes: Feedback on Options Analysis	Invest Vancouver Advisory Committee (IVAC)	Advisory Commiittee		How can the plan attract more global business to the region?
3302	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		Support for Metro Vancouver leading advocacy across BC/Canada; smaller regional districts will amplify where possible. Regional districts noted that capacity limitations are barriers to developing their own advocacy materials and circular economy policy work, and that they depend on Metro Vancouver's work.
3303	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		Request for definition and examples of circular economy policies.
3304	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		Participants highlighted that joint educational workshops could be valuable but may be difficult to coordinate due to differences in local systems.
3305	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		High collaboration potential for developing second hand building material markets, online marketplaces, encouraging use of salvaged materials in renovations, and requirements/incentives to increase reuse.

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3306	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		Metro Vancouver region has high influence over material markets, as a lot of diverted material generated in other regional districts ends up in Metro Vancouver
3307	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		Interest in central hubs and comment on the willingness of residents/contractors to travel for the most affordable option.
3308	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		Can consolidate some actions to reduce overlap (e.g. online marketplace and second-hand building material markets).
3309	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		Suggestion to consolidate the two actions about challenging materials and large items (e.g., IDs 116 and 064), because large items are challenging in general.
3310	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		ID118 should also be clearer about whether this item refers to all EPR or just the Recycle BC program.
3311	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		Household hazardous waste collection is costly for many regional districts and funding or EPR coverage were raised as potential solutions.
3312	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government		Interest in expanding eligible materials and extending residential EPR to small businesses.
3313	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government	Strategic Approaches (Regulatory, Recycling and Waste Centres, Residual Management Options)	Support for using the guiding principles of the Solid Waste Management Plan to help inform future regulation development.
3314	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government	Strategic Approaches (Regulatory, Recycling and Waste Centres, Residual Management Options)	Fraser Valley Regional District raised concerns regarding continued operation of the Waste-to-Energy Facility in Burnaby, citing air quality and aging infrastructure; request for language in the plan on phasing out the facility and including of air quality as a technical criterion in the plan. Question about waste-to-energy is a barrier to moving forward on collaborating in other areas.
3315	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government	Strategic Approaches (Regulatory, Recycling and Waste Centres, Residual Management Options)	Interest in understanding how residual capacity options will be evaluated in future.
3316	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government	Upcoming Engagement and Next Steps	Interest was expressed in continued collaboration opportunities.
3317	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government	Upcoming Engagement and Next Steps	Participants requested clarity on how to submit feedback – via email or the online form.
3318	23-Oct-25	Discussion Session: Solid Waste Management Plan Update - Options Analysis	Neighbouring Regional Districts	Local government	Which strategies most align with priorities in your regional district?	Interest in aligning priorities around waste reduction in businesses and institutions, increasing reuse of building materials, advocating for circular economy policies and enhancing extended producer responsibility (EPR) programs. Top priorities included: (2.1) Collaborate with businesses and institutions to reduce waste; (3.2) Increase reuse of used building materials; (1.1) Advocate for circular economy policies; (4.2) Enhance EPR programs.
3319	23-Oct-25	Meeting Summary	Squamish-Lillooet Regional District Board	Local government		Paul presenting at a SLRD Board meeting: - Paul Henderson provided a presentation at an SLRD Board meeting - They asked questions - Interested in opportunities for collaboration - Questions about disposal - Solid waste is important issue for all of our communities
3320	24-Oct-25	Focus Group Notes (World climate action day)	Threading Change (joined by Environmental Youth Alliance and Reverb)	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think just at the beginning, it might be a little bit difficult to sort of build up like, all of these things that we would be renting from. So, you know, you could have people come and donate, but sort of to, like, create a collection of things where people can rent from, might be a little bit difficult, so to have some sort of government, government help with that, in terms of, like, monetary help or, like, actual in-kind donations, would probably be useful, at least at the beginning, to sort of get it running and off the ground.
3321	24-Oct-25	Focus Group Notes (World climate action day)	Threading Change (joined by Environmental Youth Alliance and Reverb)	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I agree. I think for me, this is a medium one, because I think it's really important that we should be able to have access to things like libraries, like thing libraries. But what I find especially tends to happen where I live is, or, like, in Vancouver, it kind of depends on the neighborhood as well. Like, a lot of neighborhoods will have things like small book libraries, and they get really populated. Like, they tend to be really concentrated. So maybe just kind of introduce the ideas of what lending libraries are, and then once they're kind of understood everywhere, and they're not so, like, popular in one area, that they're more common everywhere, then start to advocate for it more. So it's like a medium one.
3322	24-Oct-25	Focus Group Notes (World climate action day)	Threading Change (joined by Environmental Youth Alliance and Reverb)	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Oh, a tool library! Oh, I love that! You have a whole tool library! I don't know if Vancouver has tool libraries.

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3323	24-Oct-25	Focus Group Notes (World climate action day)	Threading Change (joined by Environmental Youth Alliance and Reverb)	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To have some sort of government help with that, in terms of, like, monetary help or, like, actual in-kind donations, would probably be useful, at least at the beginning, to sort of get it running and off the ground.
3324	24-Oct-25	Focus Group Notes (World climate action day)	Threading Change (joined by Environmental Youth Alliance and Reverb)	Public members-at-large	Questions and Comments	This is unclear to me: what does this mean?
3325	24-Oct-25	Focus Group Notes (World climate action day)	Threading Change (joined by Environmental Youth Alliance and Reverb)	Public members-at-large	Questions and Comments	Should our local government proactively ask for these programs from the federal and provincial govs, such as rental libraries?
3326	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry		We strongly oppose the use of recovery to include combustion-based or fuel-substitution systems. This strategy risks rebranding destructive processes as beneficial outcomes. In particular, the undefined category of "non-recyclable materials" is deeply problematic. It may include materials that are technically recyclable but were not separated at source, as well as genuinely non-recyclable materials that contain hazardous substances. Without a clear and safe definition, Metro Vancouver risks allowing recyclable materials and toxic composites to be burned under the label of recovery.
3327	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry		Much of what is referred to as "non-recyclable" in current practice includes laminate and composite woods, MDF, engineered wood, and plastics with resins, adhesives, or coatings. These materials often contain formaldehyde, chlorine, and heavy metals. When burned in waste-to-energy facilities or cement kilns, they release harmful pollutants such as dioxins, furans, and fine particulates. Even with emission controls, these pollutants accumulate in ash residues and the surrounding environment, contributing to long-term exposure risks.
3328	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry		The plan should not encourage more effort to identify or process these materials for burning. This diverts resources away from more sustainable solutions, such as prevention, design improvements, and source separation. If materials cannot be recycled or reused safely, the least harmful option is landfilling after biological stabilization. This approach avoids the creation of toxic air emissions and prevents pollution transfer from air to soil.
3329	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry		We support the inclusion of mechanical material recovery and biological stabilization as best practices prior to final disposal. However, these processes should be categorized as disposal, not diversion. Mechanical recovery can capture some materials from residual waste, but the recovered outputs are generally lower quality and limited in market value. Recognizing these facilities as disposal ensures that they do not undermine the importance of source-separated recycling programs.
3330	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry		Biological stabilization, such as composting or anaerobic digestion of residuals, plays an essential role in reducing methane, odour, and leachate formation. By stabilizing waste before landfilling, this practice improves landfill performance and reduces long-term emissions. This should be identified as a disposal best practice rather than a diversion measure. Together, mechanical and biological treatments offer responsible management of residual waste without misrepresenting their role in the waste hierarchy.
3331	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Conclusion and Recommendations	Metro Vancouver has the opportunity to lead with a waste management plan that prioritizes prevention, reuse, and safe residual management over destructive end-of-pipe solutions.
3332	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Conclusion and Recommendations	To achieve this, the region should clearly distinguish recovery from disposal and remove combustion from the definition of diversion.
3333	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Conclusion and Recommendations	It should acknowledge that non-recyclable materials often include both recyclable and hazardous materials and should not invest additional resources in defining or processing them for fuel use.
3334	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Conclusion and Recommendations	Effort and investment should focus on preventing waste, improving separation at source, supporting local reuse and recycling infrastructure, and stabilizing remaining materials before landfilling.
3335	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Conclusion and Recommendations	Classify all combustion-based processing, including industrial fuel use, as disposal, not recovery.
3336	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Conclusion and Recommendations	Identify mechanical material recovery and biological stabilization as disposal best practices prior to landfilling.
3337	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Conclusion and Recommendations	Avoid allocating resources to define or develop recovery systems for 'non-recyclable materials.'
3338	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Conclusion and Recommendations	Prioritize prevention, reuse, and landfill stabilization over combustion-based solutions.
3339	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Conclusion and Recommendations	Require continuous emissions monitoring, regular soil testing, and public reporting for all facilities that burn waste-derived materials.

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3340	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Additional feedback	We are deeply concerned that Metro Vancouver staff have recommended rejecting public proposals to phase out or close the Burnaby Waste-to-Energy (WTE) facility. The reasons given for rejecting this idea are weak and do not stand up to scrutiny when weighed against the environmental, policy, and social benefits of phasing out incineration.
3341	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Additional feedback	Staff have argued that the facility must remain in operation because the region still requires disposal capacity, that costs are comparable to landfilling, and that emissions are within regulatory limits. Each of these points overlooks critical facts.
3342	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Additional feedback	The claim that disposal demand justifies ongoing incineration is a circular argument. High disposal volumes are the result of insufficient waste prevention, reuse, and repair systems. Keeping the incinerator in operation locks the region into a constant need for feedstock rather than motivating investment in programs that would actually reduce waste generation. In other words, the incinerator sustains the very waste problem it is meant to solve.
3343	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Additional feedback	The assertion that costs are comparable to landfilling also fails to consider escalating expenses and external impacts. The facility's operational and maintenance costs continue to rise, and new air pollution control systems will add further costs. In addition, the financial comparison excludes the environmental and public health costs associated with emissions, ash disposal, and cumulative exposure to fine particulates and persistent pollutants. When these factors are considered, the facility is neither cost-effective nor sustainable.
3344	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Additional feedback	Finally, the argument that the facility operates within emission limits is not reassuring. Meeting outdated regulatory thresholds does not mean the operation is harmless. The Burnaby facility has required extensions to its air quality limits and is still in the process of implementing new emission control systems. Compliance within interim limits does not address cumulative or long-term effects on air quality, soil contamination, or health outcomes for nearby residents.
3345	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Additional feedback	In contrast, the rationale put forward by those advocating for closure or phase-out is stronger and more aligned with Metro Vancouver's own stated goals. Closing the WTE facility would reduce greenhouse gas emissions, eliminate a source of toxic air pollutants, and redirect significant financial and technical resources toward upstream solutions such as reuse, repair, and product redesign. It would also remove the structural dependence on waste generation required to feed the facility, freeing the region to pursue true zero waste outcomes.
3346	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Additional feedback	The staff's recommendation to reject this proposal therefore represents a short-term, risk-averse position that conflicts with Metro Vancouver's long-term sustainability commitments. A transition plan to phase out incineration is not only feasible but necessary. It would allow the region to focus on prevention, material recovery, and landfill stabilization, while avoiding the continued environmental and financial burden of maintaining combustion infrastructure.
3347	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Additional feedback	Closing the Burnaby WTE facility would be a decisive step toward aligning Metro Vancouver's waste management system with its stated goals for climate action, circularity, and community health. The public rationale for keeping the facility open is weak, and the case for closure is far stronger, both in principle and in practice.
3348	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	General Comments on Recovery and Disposal Section	HSR Zero Waste appreciates the opportunity to provide comments on the Draft Solid Waste Management Plan. We support Metro Vancouver's efforts to advance waste reduction and circular economy goals but have serious concerns about how recovery and disposal are currently defined and applied. The plan's treatment of combustion-based processes, industrial fuel use, and undefined categories such as "non-recyclable materials" risks undermining waste prevention, reuse, and recycling. Recovery should not be used to justify destructive disposal practices that release pollutants and discourage better upstream design and source separation.
3349	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Waste-to-Energy and Industrial Fuel Use	HSR Zero Waste opposes any classification of combustion-based activities as recovery, including waste-to-energy operations and the use of waste-derived fuels in cement kilns or pulp mills. Burning waste destroys valuable materials and emits pollutants that must still be managed through ash handling and environmental controls. It also delays progress toward upstream waste prevention, repair, and reuse systems. Treating these processes as recovery undermines the region's circular economy goals.
3350	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Waste-to-Energy and Industrial Fuel Use	Industrial fuel use is particularly concerning because it allows toxic and composite materials, such as treated wood, laminates, and plastics, to enter fuel streams where emissions are less visible to the public. These materials release hazardous pollutants, including heavy metals and persistent organic compounds. If Metro Vancouver permits such practices to continue, it must require continuous emissions monitoring, regular soil testing near participating facilities, and full public disclosure of monitoring results. Transparency and accountability are essential for public trust and environmental protection.
3351	27-Oct-25	Email Submission Re: Comments on Metro Vancouver's Potential Strategies and Actions Being Considered	HSR Zero Waste	Waste Industry	Waste-to-Energy and Industrial Fuel Use	Waste-to-energy should remain classified as disposal. While it plays a limited role in current waste management, it is not a circular solution and should not be expanded or redefined as recovery. The region's long-term focus should be on reducing residual waste through prevention and material redesign rather than maintaining combustion infrastructure.
3352	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Work with munis/regions – not innovative or difficult; should have been doing this with NZWC, CCRI, UBCM, FCM, Climate Caucus, BC PSC, RCBC, etc. Should already be done with member municipalities.
3353	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Add 'and zero waste' (overall ZW should be brought back into the plan)
3354	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Integrate waste prevention. Change to MV to lead by example in ZW
3355	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Build on the innovation and add 'and zero waste'
3356	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Include ZW education
3357	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Make this easier by partnering with Zero Waste Canada or others who already do this. Push businesses to get certified; don't reinvent the wheel.

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3358	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Circular procurement – very good and much needed
3359	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Textiles still important over a 10-year plan even with success on heavier materials.
3360	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Should be core part of program – working with them for technical guidance should help decrease costs.
3361	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Textiles should also have a separate clear-bag action.
3362	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Strongly disagree that affordability should be used as a way to avoid this action. Should not measure affordability on ability to skip proper costs. Same for convenience -it should be about making the right thing more convenient, not the wrong thing. Should have clear bags as its own action, not with tech.
3363	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Regional harmonization on reuse -Think SUI are important to tackle -not sure if affordability has to be impacted or more that it needs to be considered in how it is implemented.
3364	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Very important.
3365	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Needs direct action to foster reuse, refill, and repair.
3366	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Add on subsequent action - “and then implement if suitable”. This is an example of where the action is not suitable for a ten year plan but is instead the first step of many that could be implemented in a ten year span.
3367	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Think SUI are important to tackle -not sure if affordability has to be impacted or more that it needs to be considered in how it is implemented.
3368	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Add on subsequent action - “and then implement if suitable”. This is another example of where the action is not suitable for a ten year plan but is instead the first step of many that could be implemented in a ten year span.
3369	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Unclear how better data by itself is having any impact so not clear how the rubric was used to evaluate this. It is a good action but more from a foundational level and not because this alone will reduce waste or GHGs or impact affordability. Or perhaps the action is about communicating options for repair but it is not stated this way.
3370	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Important.
3371	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Is this about trying to recycle hard to recycle item or can it be replaced, or the non-recyclable components phased out? If just about plastic lined items, how is this not ranked low under existing scale? If the latter, should be under rethink.
3372	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		This should be under rethink as it is about design.
3373	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		This should not increase costs unless the EPR program is not paying for it (which it should) and this would be a key way to decrease contamination (saving those penalties). So far, costs for Recycle BC are not showing up in consumer costs.
3374	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		MV should develop its own composting infrastructure, in region. MV should start furniture recycling across region MV should offer book recycling across region For all non-EPR non-food/garden materials MV should track data and systems to support transition to EPR
3375	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Key is not to introduce new forms of contamination into existing streams and to ensure it is not a way to EPR programs to offload costs-this is not noted in the factors
3376	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Plus institutions!!!
3377	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Standardized sign tool very good -collaborate with other governments on this and offer decals
3378	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Should factor in human-wildlife issues and develop tools/coaching like the North Shore Recycling Program had before it folded.
3379	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		More on behaviour change and coaching, less on what sounds like brochures, such as involving artists/influencers (rationale for low makes no sense) ID 148 and ID 151 comparison
3380	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Needed.
3381	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		This should be under 6.0 Disposal. Not going to help on most criteria but needed
3382	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		100% disagree with all of these, this is why we did not support the energy recovery part in the hierarchy, but including it in the hierarchy led to a goal and now it has these actions. Please reverse this inclusion in the hierarchy.
3383	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Keep in mind grant funding and private investment is still someone’s money and it is money that does not then get used for other better purposes.
3384	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		This section if it continues to exist should be looking at Material Recovery, Biological Treatment (MRBT) for mixed waste, recovering tires from landfill (saw many on the landfill tour). It should only focus on recovery of Materials, not Energy as it will always waste more energy than if the materials are recovered or ideally managed through any of the higher hierarchy levels.

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3385	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Lots of actions about education but should focus on behaviour change through policy, incentives, and reminders.
3386	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	There should be a section for disposal. This should include the following:	There should be a section for disposal. This should include the following: Phase out the incinerator by 2028
3387	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	There should be a section for disposal. This should include the following:	Implement a ban on waste to energy and incineration in the region and for waste coming from the region
3388	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	There should be a section for disposal. This should include the following:	Waste will go to landfill but landfills will be selected based on their ability to meet the best in class environmental criteria (minimizing gas emissions, leachate control, etc.) and social criteria (minimize impact to those nearby, social acceptance by receiving area, etc.)
3389	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	There should be a section for disposal. This should include the following:	Gathering information on what was wasted and critically, why? Good data exists from waste composition studies which could be scaled back to every other year or when systemic changes are enacted to determine the impacts. Instead, start researching the cause of the waste (did not have bins, lack of enforcement, confusion over material, lack of pother options locally, etc.)
3390	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	**Close the Waste- to-Energy Facility**- MV rationale for not including: 1. In spite of the region's success in reducing waste, approximately 1,000,000 tonnes per year of garbage from residential commercial and institutional sources require disposal. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling.
3391	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	Cost information is inaccurate -would be cheaper to pursue closing facility. A quick glance at the line items of any year of the Metro Vancouver five year financial plan will show this. Metro Vancouver continues to avoid sharing the cost information related to its budget lines that proves its claim of incineration being cost effective.
3392	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	If the region is as successful as stated, should be able to decrease the waste enough to not require this facility and that should be a goal. It has done this before which is why a new incinerator was not built so it can do it again.
3393	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	2.Emissions from the Waste-to- Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
3394	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	What is more accurate to say is that permitted levels of pollution are out of date. MV is not required to test continuously for the most toxic pollutants as is required in Oregon and for some in the EU. The province is requiring MV to hold a public consultation on updating the pollution levels and testing. Health Authorities are required to be part of developing a public health risk assessment.
3395	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	There is a difference between "meeting parameters" and not causing harm to the environment and health
3396	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	Also similar to findings around newer incinerators, there are dioxins in the close vicinity. There needs to be a thorough testing of the actual levels of pollution and work done to eliminate them.
3397	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	I fully support the closure of the incinerator and investment in zero waste actions instead. I am also very concerned that Metro Vancouver has not been more frank with the committee in terms of noting that it is pursuing agreements that can last for up to 50 years and where significant financial penalties could be incurred if the facility does not exist. The most recent one also mentions the possibility of rebuilding the facility, which Metro Vancouver has been indicating they are not considering. Our committee has been in existence since 2022 and yet has not been asked about these important decisions. The process seems to have been designed to have the incinerator locked in before there is any committee decisions or discussion.
3398	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	**Don't send materials to cement kilns and other industries for recovery** -MV rationale for not including: Where a feasible alternative exists, Metro Vancouver aims to manage materials according to the highest applicable level of the waste hierarchy (e.g. recycling before recovery). Recovering energy and resources from non-recyclable materials is preferable to disposal according to Metro Vancouver's waste hierarchy, which is consistent with the provincial and federal hierarchies.
3399	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	This is not consistent with the ZW hierarchy.
3400	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	These facilities are nowhere near the level of pollution control and testing of a provincially regulated facility.
3401	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	As noted for some recover actions, this further incents bad design, bad systems and does not decrease waste.
3402	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	The guidelines for SWMPs clearly state that the federal and provincial hierarchies do not need to be followed -communities can choose stronger ones, in fact leading jurisdictions have.
3403	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	Metro Van to date does not seem to be actively seeking better (reduce/reuse/recycle) options for these materials.
3404	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas considered unadvisable	Agree that closing the landfill, adding new incineration (WTE) capacity and privatizing the collection /sorting systems, and single stream collection are all bad ideas. Extending the life of landfills as long as possible through waste reduction is recommended. MV should make it explicit in the SWMP that no new waste incineration or WTE facilities will be allowed.
3405	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas for other sections	Engaging with First Nations is a needed step but there should also be co-planning for any waste that may be collected on First Nation reserves that enters the MV waste system, as well as collaboration on tools/educations, etc. that could benefit multiple communities. Also recognizing the many First Nation members that are living in MV (off reserve).

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3406	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas for other sections	Wildlife attractant management should be a part of the management plan. Recycle bins and garbage bins should be wildlife resistant like having locks on them. •This should be part of the SWMP as well as the debris plan -there are lots of bear issues across the region, but also litter with crows, coyotes, raccoons.
3407	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas for other sections	Looking at partnerships with fellow regional districts to see how we might be able to work together. For example: dealing with drywall together, addressing wood waste in an economic development plan (Like King County has looked at for highest and best use of wood -i.e. not burning).
3408	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas for other sections	Adopt the ZW hierarchy as the guide and encourage others to do so as well. This is still a necessary step and the failure to do this is resulting in these subsequent problems
3409	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Ideas for other sections	Items now grouped under the development of recycling and waste centre strategic approaches - should be a strategy in the plan, like the others and then be clear on what will be done and what is goal - Same for regulatory strategies
3410	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	N/A	There are many good actions included but the rubric seems to have been somewhat arbitrarily designed and applied. In addition, the actions do not seem to be laid out in a way that shows a comprehensive and strategic look at addressing the different types and sources of waste. Further, the last plan was meant to be a five year plan at the time of creation and this one as a ten year plan seems to be lacking a ten year lens with phases of actions, and ambitions of scale.
3411	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	N/A	Finally the inclusion and ongoing support of incineration and energy recovery means the plan is doomed to failure due to inadequate support of zero waste strategies and competing priorities.
3412	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	N/A	Affordability -this should be edited from evaluating if it increases costs (even if those are fines for poor separation) to if it increases costs for those who can afford it the least
3413	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	N/A	Circularity/Zero Waste -add in Zero Waste as defined by the Zero Waste International Alliance (especially important as the term circular economy is now getting misused more often). It should be defined using the Ellen MacArthur Foundation definition.
3414	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	N/A	Waste reduction -is about reducing materials getting discarded, not disposed. Need to decrease compost and recycling as well, also good to target materials that are larger components of the waste but if not looking enough at reduction, may see others creep up (household hygiene for example)
3415	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	N/A	Environmental Stewardship -need to make Toxicity its own line as this is going to be playing a bigger role going forward as we learn the harms of toxic materials and as the biodiversity crisis increases.
3416	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	N/A	GHGs should be all scopes not just 1 and 2, should not be net of GHG compared to fossil fuel burning but actuals, also needs to look at increased emissions from burning materials.
3417	27-Oct-25	Email Submission from PTAC member Re: MV Options and Rubric Comments	Public/Technical Advisory Committee (PTAC)	Advisory Committee	N/A	Looking only at high volume materials is problematic as this is a 10 yr plan and everything is small when broken into chunks- the question should be: will it move the needle and does it move another piece of the pie out of disposal.
3418	3-Oct-25	Small group dicussion summary notes: Strategies and Actions	Public/Technical Advisory Committee (PTAC)	Advisory committee		Not setting ambition high enough or recognizing systems change that is needed. Need to be stronger than just advocating and have a bigger vision and ambition.
3419	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Develop and implement a circular economic policy framework that addresses all three elements of the circular economy as defined by the Ellen MacArthur Foundation to replace the Solid Waste Management Plan.
3420	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Reframe all regional solid waste policies and programs in terms of circular economy principles and concepts.
3421	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Require that all regional and regionally-funded projects have material diversion targets with reporting that clearly identifies end fates.
3422	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Require that all regional procurement policies prioritize use of reclaimed materials, including minimum reuse requirements.
3423	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Modifying ID009 to specify the exact policies that Metro Vancouver will integrate, including: oAllocation of underutilized regional lands for waste diversion programs oReuse requirements in new regional construction or regionally-funded construction oIntroducing bans on importing materials into the region that do not have a recycling option.
3424	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		We support a number of concrete actions under section 1.2 (Support the transition to a more circular regional economy through waste prevention), such as ID088 (develop circular certification programs for business) and ID042.
3425	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		However, most actions fall short of what is required to achieve this desired transition. Accordingly, Metro Vancouver should outline clear and impactful actions, not just support, to transition to a circular regional economy, such as:

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3426	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Allocating $X millions to developing and scaling circular initiatives over 5 years.
3427	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Establishing programs in partnership with industry associations and educational institutions to foster awareness about the circular economy amongst, students, SMEs and other community stakeholders.
3428	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		We submit that Metro Vancouver's SWMP include a select number of bold and tangible actions directed at systems-level change towards a more circular economy; each action accompanied by SMART targets.
3429	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		It is not possible to comment on all the actions detailed in the list provided by Metro Vancouver. The following is a reframing of a select number of actions under some of the pollution prevention hierarchy categories for illustrative purposes. We submit that the entire list of actions needs to be reconsidered with reference to the principles stated above. In addition, we endorse the comments made by Jamie Kaminski with HSR Zero Waste and Sue Maxwell of Zero Waste BC.
3430	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		While we appreciate the process that Metro Vancouver has followed to receive input on action items and frame the feedback received in the context of the evolved prevention hierarchy, it is our view that the action items fall short generally in several ways.
3431	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		The actions detailed are limited concepts that do not address the system-level changes that are required to move towards a circular economy.
3432	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Actions need to focus on re-engineering existing systems and infrastructure, driving behaviour change and shifting capital to scaling circular economic activities.
3433	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		As part of a 10-year plan for managing solid waste in the region, the actions lack SMART targets and outcomes to define the desired outcomes of the region's material management strategy.
3434	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		Without clear outcomes there is no accountability for attaining circular objectives.
3435	28-Oct-25	Email Submission Re: Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions	Light House Sustainable Building Centre	Non-Profit		All actions continue to use waste terminology focused on tailpipe solutions and language that devalues materials -- waste prevention and waste reduction -- rather than circular economic terms that highlight the inherent value of material resources, including reducing use of virgin materials and treating excess and salvaged materials as a resource.
3436	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	High. Identified as positive and celebrated by external groups (e.g., First Nations Recycling Initiative). Easy for municipal staff to participate, especially when modeling existing best practices like repair cafes and libraries of things. Easy at face value for private recyclers. Great action, but difficult to execute.
3437	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: Difficulty stimulating circular economy due to limitations in the Local Government Act regarding funding support. A big disconnect exists between written plans and implementation in Metro Vancouver First Nations communities that outsource waste management to haulers. Private recyclers struggle with achieving a profitable transaction; lack of necessary profit hinders participation. Initiatives often sit on the periphery and must be normalized across all sectors. Lack of public awareness regarding the recycling operations of external groups
3438	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Metro Van needs to invest resources in education within First Nations communities. Needs a province-wide approach and collaboration across regional districts. Local governments need to explore creative approaches (funding, land, space, or convening roles) to provide support without directly funding the private sector.
3439	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Metro Van should provide guidance for consistent literature and promotion/education across all municipalities. Must help private organizations find ways to manage profitable transactions. Need openness to emerging technologies despite challenges with performance guarantees.

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3440	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Well I think it's really great that this has been identified as potentially an action. One of the things that I notice, and first of all I don't speak for the First Nations communities, I'll let you know what I've seen. I've been in a few of the communities that are located within Metrovan and most of those communities are outsourcing their waste management to either a service provider or to a private hauler. They don't have their their own individual public works. So there's a barrier being set up right there because there's space between their own efforts to recycle and remove materials to engage in a meaningful way with a larger body. All they're doing is engaging with a contractor or a hauler. So, I would say that the collaboration piece, the education piece is critical. I did a cleanup earlier this year with a First Nation within this area and the volume of material that could have been recycled, reused, repurposed was unbelievable. I don't blame the community, but there's a big disconnect between what we write in these beautiful solid waste management plans and the ability to actually implement the things that are in those beautiful plans. So, you know, there really needs to be resources who are willing to invest time in these communities to do education and more.
3441	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Support it for sure. I mean, we'd like to see something similar in a future iteration of our own solid waste management plan. What we struggle with as local government is how to stimulate a circular economy with the limitations of the local government act and what we can do in terms of funding support. And so kind of who these external groups are, which I know for the purposes of the plan it's not so explicit at this stage, but if this action goes forward and is brought to life, I think at the very least a province-wide kind of circular economy action plan. That province-wide approach and collaboration across regional districts would build both advocacy and potential funding models for this work together. Definitely support that and looking for the creative ways in which we do have funding available that we just can't give to the private sector and so the creative approaches there, whether it be funding or land or space or a convening role, right? And how we could and other regional districts could participate in a similar way for sure.
3442	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, I think it's going to be, I want to say it's going to be easy, but it's going to be obviously some challenges associated with it. We do a pop-up event at the city here in our works four times a year. So I know with our solid waste master plan, we've already talked about kind of modeling what some other communities do with their repair cafes and their library of things. I think those are great ideas that we're going to try to incorporate with our pop-up events that we do. Our residents are super happy ever since we lost our depot that we do something to help support them with our depot-only recyclables. So, I think we could tie in our circular economy initiatives into our pop-up events. So, for us, yeah, I'm looking forward to it.
3443	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah. I think just having the same wording, same, you know, I want the same literature out there for all the municipalities at Metro Vancouver. I kind of want them to sort of lead how they want us to promote things, you know. I want the same practices throughout all the municipalities for the literature and the promotion and education that they could kind of guide us with.
3444	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	At face value I think it looks easy. We have been looking for opportunities to just do outreach and do events promoting obviously both the company and circular economy. The question is could we get the participation and would it sell? Because people are always going to be having reservations about costs, but you need a profitable transaction. So, that's what would make this one easier. And that's what we haven't figured out just yet.
3445	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Well, that can happen two ways. If it's government support, because right now we're getting government support, or if it's not funded and the potential clients have to pay for the service themselves. You know, can we sell the idea or more, can we point out why that would benefit them?
3446	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, with being part of a national recycling operation, the one thing we struggle with is the fact that nobody knows that. People think of the thrift store or the mission side. They don't understand that we have this, well, one of the leaders in Canada for national recycling operations, and that our goal in 2026 is really to look at retailers, liquidators, other thrift stores, consignments, everything to see if, just to put the word out about salvaging. Salvaging their surplus in order for them to then not have to put it into a landfill. Because when they can't get liquidators to buy it, which we're not doing, they just think, well, it's too much to donate to a store, so let's put it into a landfill. So for us it really does go back to communication highlighting and trying to build a model within our own organization that gets people understanding the national recycling operations of the thrift side of things.
3447	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Oh, yeah. My role is to deal with all of Western Canada, and I work with most of the municipalities in the Lower Mainland. So, yes, absolutely.
3448	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I definitely support it. As another participant alluded to earlier, we've really been struggling with ourselves trying to get a circular economy going and needing that economic development piece to feed into it. I guess just as a reflection, I'm curious what the difference is between these two and if this one isn't actually part of the 'identify' from the previous action. Like doing all this work would that not identify where circular economy initiatives can occur and then implementing is giving those resources to do it?
3449	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, I think it's going to be not an easy task, but it's a necessary task that needs to be done. And I think once Metro Van collaborates with planning departments to get this ball rolling, I think we need to do it. I think we need to look at the business circular economy model and make sure that it comes to fruition.
3450	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think the one thing that stands out for me in this action is just the focus on education. And I kind of feel like education should be there to support policy or programs or funding opportunities, right? I don't think we're going to get where we need to be with just education alone. So personally I'd rather kind of see that education piece supporting something a bit stronger.

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3451	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, absolutely. The question you asked another participant resonates with me, though. It's would industry be willing to participate? And that's the big question, but I think we can point out that, and I hate to sound overly capitalist, but you're dealing with businesses. And as much as this is the right thing to do, you still got to realize their perspective too. And so, you know, can we sell them on the idea of the benefits of this to them?
3452	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Something that comes to mind here is whether municipalities are keen to invest in emerging technologies. Some circular business models involve integrating new technologies and there can be some challenges around wanting to see five, 10 years of performance guarantees. But if we're moving into new spaces and new diversion targets, just an openness to new ideas in that space, I think is really important.
3453	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I agree. We're certainly looking at opportunities. We do all kinds of interesting things in terms of separating materials, construction, demolition, waste, all kinds of things in different jurisdictions. There's two main hurdles that I see. One is just straight price. Often a linear economy is the cheapest thing to pay for. And then the other is logistics around sorting on site, having multiple bins at the back of businesses. Tight business entertainment districts and these kinds of interesting vibrant parts of the city often don't have a lot of space for more bins and more logistics around waste. And so we're here to collaborate where it makes sense to get the collections to make sense. And one thing we've seen a circular innovation council piloting is getting businesses together to try to get all the businesses in an area to do organics recycling to make the logistics more cost-effective. I think there's a model there in terms of bringing stakeholders together in a particular area. And I think when there is a regulatory framework that levels the playing field for all businesses, that can also clear that cost hurdle to kind of level it.
3454	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: Concern that industry may not be willing to participate due to focus on dollars/capitalism, even when benefits exist. Logistics are difficult in dense urban areas where space is limited for multiple bins. The linear economy is often the cheapest option, creating a price hurdle. There is overlap between this action and other action items. Education alone is insufficient and must support stronger policy or programs.
3455	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Metro Van needs to approach the economic development arm of First Nations communities, rather than public works, to engage on business models. Implementing a regulatory framework that levels the playing field for all businesses can help clear the cost hurdle. Finding and disseminating industry best practices is crucial.
3456	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Split between Low, Medium, and High. Generally considered an important and necessary task.
3457	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	For sure. Even having read the pre-read, these were a couple of the items that I had already highlighted that we could get behind. So, yeah, simply perfect.
3458	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I definitely support it. As another participant alluded to earlier, we've really been struggling with ourselves trying to get a circular economy going and needing that economic development piece to feed into it. I guess just as a reflection, I'm curious what the difference is between these two and if this one isn't actually part of the 'identify' from the previous action. Like doing all this work would that not identify where circular economy initiatives can occur and then implementing is giving those resources to do it?
3459	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, I think it's going to be not an easy task, but it's a necessary task that needs to be done. And I think once Metro Van collaborates with planning departments to get this ball rolling, I think we need to do it. I think we need to look at the business circular economy model and make sure that it comes to fruition.
3460	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think the one thing that stands out for me in this action is just the focus on education. And I kind of feel like education should be there to support policy or programs or funding opportunities, right? I don't think we're going to get where we need to be with just education alone. So personally I'd rather kind of see that education piece supporting something a bit stronger.
3461	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, absolutely. The question you asked another participant resonates with me, though. It's would industry be willing to participate? And that's the big question, but I think we can point out that, and I hate to sound overly capitalist, but you're dealing with businesses. And as much as this is the right thing to do, you still got to realize their perspective too. And so, you know, can we sell them on the idea of the benefits of this to them?
3462	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Something that comes to mind here is whether municipalities are keen to invest in emerging technologies. Some circular business models involve integrating new technologies and there can be some challenges around wanting to see five, 10 years of performance guarantees. But if we're moving into new spaces and new diversion targets, just an openness to new ideas in that space, I think is really important.
3463	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I agree. We're certainly looking at opportunities. We do all kinds of interesting things in terms of separating materials, construction, demolition, waste, all kinds of things in different jurisdictions. There's two main hurdles that I see. One is just straight price. Often a linear economy is the cheapest thing to pay for. And then the other is logistics around sorting on site, having multiple bins at the back of businesses. Tight business entertainment districts and these kinds of interesting vibrant parts of the city often don't have a lot of space for more bins and more logistics around waste. And so we're here to collaborate where it makes sense to get the collections to make sense. And one thing we've seen a circular innovation council piloting is getting businesses together to try to get all the businesses in an area to do organics recycling to make the logistics more cost-effective. I think there's a model there in terms of bringing stakeholders together in a particular area. And I think when there is a regulatory framework that levels the playing field for all businesses, that can also clear that cost hurdle to kind of level it.

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3464	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: Participation is challenging for organizations focused on thrift where materials are already unpackaged. Industry participation is often "touchier" than non-profits. The hard part of waste reduction comes from the design side of packaging.
3465	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Need to look beyond packaging waste and include construction plastic waste. Consider introducing stronger regulatory language (e.g., "regulate") instead of just "collaborate". Focus should include reducing virgin plastics flowing into the system. The initiative should highlight reuse initiatives, such as the deconstruction and reuse of building materials.
3466	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Split between Low, Medium, and High. High Support when focusing on high-value and hard-to-recycle commodities benefits their material recovery facilities (MERFs). Supports helping packaging designers reduce quantity and bias toward highly recyclable materials.
3467	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think it's relatively easy for us to get on board for that. I think when we think about single stream recycling and trying to sort different recyclable commodities, the more high value commodities there are in that stream, the better that is. For us, a little bit different in the EPR scheme in BC probably, but generally material recovery benefits from easy to recycle, consistent material streams. So, I think that is a reasonable action to pursue.
3468	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This is a bit more challenging, I would say, for us just given the style of our work being in thrift, being in the fact that everything we receive is already unpackaged. It's not to say that our distribution and recycling centers located across Canada don't receive some of that, but it's a fraction of the work that we do, right? So, for me personally, speaking on behalf of our organization and what we're doing, this to me is important, but it it's not very reflective of what we're doing.
3469	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To make this a little bit more difficult, I'm thinking about the word ‘virgin plastics’ because if we hit up recycled plastics, we're now hitting the reuse, recycle in a way that we're not doing when we use the word virgin plastics. So, if Metro Vancouver really wanted to make an impact on the volume of plastic, maybe they would want to reduce the amount of virgin plastics flowing into the system. Now, how you control that, what you do with that, I don't have that answer, but I just want to introduce that. Virgin plastics is a real thing.
3470	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Well, that's what we do a lot of right now anyway. We're working with a lot of waste reduction organizations, some nonprofits. So, we can get on board of that, sure. Implementation... you know, we reach out to people. The nonprofits are a lot easier and the waste reduction organizations. Businesses are a bit touchier.
3471	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, I mean, I think we do some outreach in this space. We've talked a lot with our organizations that are producing packaging about black plastics being hard to sort and I think there was a move away from black plastics, which is an example I think of hard to recycle plastic just by color, not even by material. And so I think we're happy to participate from that perspective and helping the designers of packaging of materials that are going to be used to reduce the quantity potentially and bias towards highly recyclable packaging types that work well in the material recovery facilities that we operate. So it's a little bit easier for us because this one tends to make our business more effective and can create costs and challenges for the packaging manufacturers. So we're happy to participate and engage, but I think the hard part comes from the design side.
3472	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I would love to see like the word ‘regulate’ in there or something. Just stronger actions, you know.
3473	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: Regulations or bylaws are ineffective if there is no enforcement to change behavior (e.g., fines, tickets, or incentives are needed). Finding the balance between eliminating single-use items and recognizing scenarios where single-use items may still be necessary (e.g., forgetting a reusable bag).
3474	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Must create community infrastructure (e.g., central washing stations) to support broader reuse. The term "regionally harmonized approach" must be clearly defined and compatible with all districts, including those outside of Metro Van.
3475	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High. This is the natural next step and the best way to reduce single-use items. The harmonized approach is supportable, though one participant noted the need for finding a balance. Priority Rating: High.
3476	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I just think, I mean it's the next step, right? It's the best way to reduce single-use items is go to reuse.
3477	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I think it's part of the guideline for protecting single-use plastic. So, not just following the provincial, but saying that we need to update this to make sure that we do that, but also make the bylaws inclusive and harmonized.
3478	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I think there is a role for single-use items. And so I'm completely supportive of biasing towards reuse. And I think there's lots of places that that's great. I think there are examples where you do need something. You forgot to bring your bag and there's no bags anywhere at the stores. Makes people crazy. But so I don't know. This is one I think I've heard from other people. I'm not sure how you do this. And this is one where I think it's a great objective to move towards reuse but there are challenges with eliminating single use completely and so I just would want to find that balance and I think it's challenging.

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3479	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	It's supportable absolutely because I'd say our region is in a similar position right now where we've got the provincial regulations. We have one municipality that is halfway implemented with the single-use item reduction bylaw. The natural next step is how do we scale that and have that approach be harmonized if successful, and it has been successful so far. And then what community infrastructure would support broader reuse across the community. So to another participant's earlier point, switching from single use at events to reusables, what a central washing station looks like, for one example. So I appreciate that that's where Metro Vancouver is at as well and looking for, maybe reading between the lines, their role here in creating a kind of reuse-ready environment across their region but recognizing the regulations that are already in play.
3480	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	I was kind of thinking along the same lines of, if you create bylaws or you create regulations, you need to be able to enforce those or people are really not going to change their behavior. You know, let's be honest, Vancouver's had an organics bylaw in place for a long time. And in my building, I still go downstairs and see people putting organics in the garbage and you're like, what are you doing? You can't do that. But there's no shock that comes if you try to put things in the wrong place. But if it did, like a parking ticket, you only park in the wrong place once and I don't pay and I got a $75 fine. Trust me, you just changed my behavior. I think you definitely need to be able to enforce whatever you do. Or don't do it.
3481	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: Significant challenge in determining how to measure the impact of everyday actions and implement the reporting mechanism. Some private organizations may be hesitant to share data due to concerns about trust and privacy regarding sales/pipelines. Risk of information being used for "recycle shaming". Harder to implement the same kind of impact in First Nations communities.
3482	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: The methodology must be explained before participation can be assured. Need to establish standardized methods for estimation to ensure a level playing field. Findings should be reported quarterly to inform businesses about seasonal waste reduction and make the data meaningful. Focus on specific streams or sectors as an achievable starting point. Metro Van should host a specific roundtable for First Nations business leaders to secure unified buy-in.
3483	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	Split between Low, Medium, and High. High Support (if feasible): If successful, this action item could make a huge difference and "move the dial". Gathering statistics and data is invaluable for creating a pathway and measuring progress. Useful for motivating people to do the right thing and comparing performance against peers.
3484	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think it's great to have methods so that it's a level playing field so everyone's reporting in the same way. I think we want to be careful how much work we try and do to get this perfect. I think if everyone is making the estimates in the same way, it's helpful in comparing to your peers and making a report back per Metro Van standards for how we're doing at our business.
3485	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, it sounds great. I'm a little bit baffled on how they might... how is definitely a big question mark. Because absolutely if you can measure it and then provide the feedback, that's where you're going to get some movement. But yeah, I'm I guess skeptical on how one would communicate back to all the businesses how they're doing.”
3486	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Yeah, this is huge. This is kind of like the elephant. I think people, if you're going to collaborate with the businesses, they're going to need to understand the methods that you're going to use because there's going to be internal systems on their end that they're going to have to implement so that something can be reported back. And so this is a big one. I mean certainly I do think it's important. It's just I think that there there needs to be some more understanding as to how they would do this.
3487	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I think as with anything, some will see it as valuable, others will see it as recycle shaming or whatever. But I think it's hard to know where we need to go if we don't know where we're at. And so the gathering of statistics and data is invaluable in creating a pathway for a direction. And you know we can look back five years from now and say look where we were, look where we're at. Look at the progress that's been made, rather than right now we're just sort of saying, well we think we're heading in the right direction but do we know for sure? It's also a way to motivate people to do the right thing.
3488	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I was just kind of following up I guess on my previous thoughts and maybe I'm too literal, but I wonder if it's more kind of just rejigging that the last bit, ‘back to businesses how they are doing.’ It just gives no reference point to how they are doing against what. So if we're collecting all this data and methods to estimate and then we're saying how they're doing from their starting point compared to others, a waste stream, it just... I don't know.
3489	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	And so to answer that question about support, I want to support something that I could see a successful path forward for, and I know a lot of other people have shaken their heads about the logistics of this. So it's almost, for me, my initial read on this action is it's so broad. And so if it was stream-specific as a starting point or sector-specific... it's like comparing to what? Bite off a small piece to kind of test that model of what we're measuring against in an achievable sector or for an achievable specific waste stream. It would be more supportable and we'd be looking to learn from that process if it was smaller and more contained than this broad ‘all businesses, all things.
3490	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Barriers: Ambiguity regarding who Metro Van is advocating to (e.g., federal or provincial regulators). The clause "once they're proven successful at the community level" may be unnecessary since proof of concept already exists.
3491	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Dicussion summary	Recommendations: Define the specific advocacy target (e.g., who regulates the right-to-repair legislation). Although supporting the action, some suggested editing to remove the once they're proven successful clause, though others argued proof is necessary for political support. Need to manage risk and consider how adopting reuse affects hauling logistics and business models.
3492	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High. This action is the exact nature of the work done by the Salvation Army (reduce, recycle, reuse, salvaging). High support, especially as consistency ensures easier compliance for the public. Advocacy is important, as government mandates demand for products. Priority Rating (Collective):Split between Low, Medium, and High.

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3493	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I would definitely support it. I feel like we could get rid of ‘once they're proven successful at the community level.’ I feel like there is a proof of concept out there and functioning. So, and I guess who are they advocating to, or why aren't they putting in regulations themselves?”
3494	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I don't think I have anything to add to the edits. That's exactly it. Where the last one was so non-specific around business measurement and report back, this one feels like it's responding to something very specific, whether or not that's repair cafes or whatever, and needlessly so. Especially with an advocacy role, if that's the action word here, I don't... and ‘to who,’ I think is a really important question too that you raise, of who really kind of regulates the right to repair legislation that would be necessary. But this one has almost too much specificity.
3495	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Reuse. I mean, we often think of that in terms of beverage containers and things like that. But I just spent six hours in a workshop about building material reuse in New York State. They are trying to reach consensus about a set of policy and legislative proposals that promote and incentivize and otherwise regulate the deconstruction and reuse of building materials. So I'll offer that as a comment here as something that I know that Metro Vancouver has hosted some sessions around earlier this year, and that certainly should be highlighted as an initiative for the plan.
3496	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Totally on board with this. I mean, for us, the easiest way to sell your product is to have the government mandate demand for it. So, we're completely on board of the idea. Would it need to be proven successful at the community level? I think so before you could advocate the government to do it. Just because you got to remember you're dealing with politicians and they have multiple stakeholders and their primary objective is getting reelected. So, you know, it's that's the reality. So, I'm all for it, but it would have to be proven.
3497	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Additional feedback	To provide university students with a website listing circular economy companies, so thatduring their studies and after graduation, they can connect their research with industryopportunities and potential employment. This initiative aims to support the long-termprofessional development of the industry.
3498	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Additional feedback	There were too many strategies to discuss and many of them were overlapping significantly.
3499	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Additional feedback	It seemed like some of the priorities overlapped; wording could have been sharpened to be more specific so that 'overlap' was mitigated.
3500	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Additional feedback	One improvement aspect that I have not seen as an option is for Metro Vancouver to show leadership and commit to source separation and recycling at all facilities (not just MV offices but all sites) and for corporate procurement and internal processes to consider circular opportunities (sharing of assets between departments etc).
3501	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Additional feedback	To specify which sector will be responsible for each part of the plan, or which sector will provide support in the action plan or its implementation.
3502	29-Oct-25	Focus Group Insights and Transcripts	Coast Waste Management Association	Public members-at-large	Additional feedback	There was no opportunity to discuss disposal options
3503	29-Oct-25	Email Submission Re: Feedback on Potential Strategies and Actions Being Considered	District of West Vancouver	Local government		Overall supportive of proposed actions, including municipal actions.
3504	29-Oct-25	Email Submission Re: Feedback on Potential Strategies and Actions Being Considered	District of West Vancouver	Local government		Appreciate flexibility for municipal decision making in municipal and other actions, as municipal direct support will be subject to budget constraints, staffing and enforcement capacity. (Recognize with gratitude how MV took municipal feedback from June 26 REAC-SW workshop to polish these.)
3505	29-Oct-25	Email Submission Re: Feedback on Potential Strategies and Actions Being Considered	District of West Vancouver	Local government		In a list format, some actions seem quite similar on first read (similar actions under each of sections of the waste reduction hierarchy, or similar actions in more than one goal area). I imagine snazzy graphic design will help better distinguish these in a final version.
3506	29-Oct-25	Email Submission Re: Feedback on Potential Strategies and Actions Being Considered	District of West Vancouver	Local government		No significant concerns. Some areas will require some sussing out of what the municipal role is, but that's not a reason to exclude these from a 10-year plan.
3507	29-Oct-25	Email Submission Re: Feedback on Potential Strategies and Actions Being Considered	District of West Vancouver	Local government		No concerns with this idea, but it seems quite similar and related to ID013. I do understand these are slightly different focus (circular economy vs low waste built environment). It may be worthwhile to place ID013 adjacent to ID042 in a final version (I did a double take when reviewing to figure how why evaluate gaps came after working to fill them)
3508	29-Oct-25	Email Submission Re: Feedback on Potential Strategies and Actions Being Considered	District of West Vancouver	Local government		When appropriate, align with the policy framework in the Home Demolition Waste Prevention Municipal Action Plan (2025) of the Building Relocation and Deconstruction Association of BC. For example, Policy 5: Municipal Building Removal Procurement Standards and Policy 6: Adopt Standard Definition of 'Deconstruction'.
3509	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Medium: participant thinks this action has potential to reduce waste into the future given that they see a lot of waste produced by businesses,
3510	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Participant mentioned that while it’s not something they interact with daily, giving businesses to tools to lead by example may allow the participant the opportunity to participate in more waste reduction initiatives at the places they already shop
3511	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Low as solid waste management is not something that the participant thinks about that much, but participant thinks it would be valuable to consider more if opportunities arise
3512	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be fairly easy for the participant to participate if the initiatives are visible, well-defined, and well-integrated into everyday transactions at the businesses and institutions they frequent

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3513	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant gave example of discounts for initial participation, staff that can explain how the process works if the participant has questions
3514	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Training or workplace resources could help employees understand how to manage waste correctly and communicate to customers, as participant has had experiences where staff do not understand the process or motivation behind special programs
3515	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If the business clearly explains how their waste reduction program works and it is convenient for the participant to take part, then they do not see why they would not participate
3516	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Consistency across businesses would also help right now, as every store seems to have a slightly different system or strategy to reduce waste (e.g. different waste sorting, different labels, different reuse options), which can get confusing
3517	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Education for businesses and consumers, sharing what has worked, and clear guidance could make participation easier
3518	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If there was a model business/consumer to help participant learn the correct behaviours it could also help make them more popular and promote consistent waste-reduction messaging/efforts across Metro Van
3519	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If actions were hosted at participant's community library, it would be very easy to participate (e.g. in repair and borrowing initiatives)
3520	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It is difficult to find the personal time in participant's schedule to accommodate things like these actions unless there is something specific that the participant needs to borrow
3521	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	Questions and Comments	What businesses would be taking on these actions? Businesses that I already frequent?
3522	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	Questions and Comments	Where would these actions be hosted?
3523	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	Questions and Comments	What kind of reuse and borrowing items would be made available?
3524	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant suggested that Metro Vancouver could create a directory or recognition program highlighting local businesses leading in waste reduction that would allow them to access vetted businesses more easily
3525	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Publicly celebrating business' efforts would help customers identify and support sustainable options.
3526	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Providing consistent signs in-store and ads online or on social media could also help businesses standardize the messaging on waste reduction to all Metro Van customers
3527	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	If these stations were accessible in the participant's community (Cloverdale) without needing a car
3528	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant suggested that initiatives such as buy-nothing groups or shared fridges may be abused or underused in this community
3529	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant would feel supported if the rules and regulations were clearly stated so that the participant knows how long they can borrow a specific item
3530	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	If there were multiple sessions available for repair or swapping so that the participant could attend (in the case that the participant couldn't accommodate one specific date in their schedule)
3531	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant noted that they would be most interested in borrowing and reusing items such as lawn care, tools, cleaning equipment that they would only realistically need once a year and would not want to buy
3532	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Repair meet ups with an expert would also be valuable, especially for small electronics like lamps or alarm clocks, etc.
3533	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant has participated before in sewing workshops, which has helped them save a few clothing items
3534	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant mentioned that greater reuse/refill system support at events, schools, and bigger social gatherings would be valuable as the effort to clean and return items would be easier
3535	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Having more events and opportunities in general and doing things to market reuse/refill/repair to their local community
3536	29-Oct-25	Interview #1 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Having flyers at recreational centres or local libraries could help spread the word as well as posting on social media
3537	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	High: Participant believes there is not enough support for the efforts that are already established

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3538	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Giving these opportunities more of a platform to reach people who are not actively thinking about sustainable practices is important
3539	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Medium: Participant suggested there are initiatives out there that currently exist and potentially an alignment for Metro Van to assist with these initiatives instead of arranging a brand new action
3540	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be easy
3541	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant is a small business owner and would be ecstatic to have such information available to them
3542	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Difficulty often comes from access
3543	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Access to what measures are included in the education tools and whether the resources have accessible language options are also important factors
3544	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	People pay attention to business practices and if businesses are transparent about their sustainability practices, participant thinks that it would give consumer more motivation to purchase
3545	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	By transparency, participants clarified that they mean having a page on the business' website or highlight on their social media page that is dedicated to their sustainable practices
3546	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Businesses appreciate the direction because it is easy to not have sustainability practices at the forefront of their mind
3547	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant said that they think sustainability practices are often the sacrifice when it comes to running a business, so having an educational tool available is important
3548	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Bringing the awareness sooner rather than later helps to build practices early and makes a huge difference in maintaining sustainability over time
3549	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant is inspired when other small business owners share their sustainability practices, as it makes them think about what they should be implementing and what they should have available to their customers
3550	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	As a consumer, the participant tries to be conscious of who they are purchasing from, but sometimes convenience may take priority
3551	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This is not always the case, and mostly the participant wants to ensure that they are purchasing from businesses with these tools available to them and who show they care about the environment
3552	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The ease of a reuse, refill, repair initiative would depend on the distance of the initiative
3553	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	As an example, if a furniture reuse location was far away from the participant's home, they would be less likely to participate

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3554	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant's reluctance to participate in these initiatives may also be based on perceived cleanliness of the reusable items
3555	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In the case of furniture reuse, the participant would be worried about concerns such as bed bugs
3556	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Close proximity or organizing the initiative in a way where it is brought to the participant's home would make it easier to participate
3557	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would also be valuable to know how such items were accepted and maintained to address cleanliness concerns
3558	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant would be particularly interested in rentals of items and community reuse options
3559	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant mentioned that they had previously seen an initiative where the library was offering fishing poles for rent, however, the information provided by the library about how to participate was confusing to navigate
3560	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Buy nothing groups may also be a great option that isn't limited by the location of the participant's home
3561	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Participant uses the VarageSale app to help with waste reduction
3562	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	App gives people the option to sell or giveaway their items to other people in their communities. There is a vetting process prior to ensure you are a part of that community
3563	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	This helps with access because those who are looking to participate in waste reduction are nearby so transit efforts are not wasted
3564	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Consider involving more small business owners in the Solid Waste Management Plan update
3565	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Small business owners are passionate and often the participant finds are more mindful of contributing to sustainability practices
3566	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	Questions and Comments	What actions are businesses currently taking that Metro Van can uplift?
3567	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	Questions and Comments	How far away from my neighbourhood would the initiatives take place?
3568	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	Questions and Comments	What kind of information could Metro Van provide to ease participation?
3569	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Van should consider giving a platform to those who are actively pursuing the increase in sustainability practices and are increasing consumer awareness of what other options are available
3570	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	That way, these businesses are more apparent to consumers, and can offer a model for other business owners
3571	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Consider making information as accessible as possible
3572	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participants should not have to investigate or depend on outside sources for information about how something works, the logic and purpose behind it, its usefulness and impact, etc.
3573	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Smaller communities and neighbourhoods have been trying to introduce these initiatives for a while and there are apps that will categorize you based on location for participation
3574	29-Oct-25	Interview #2 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Metro Vancouver can help by amplifying these resources or creating their own resources where people can access this information and opportunity based on location
3575	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Food waste in the supply chain as number 1 – one of the most contextual ones in hospitality and tourism – it has one of highest potential.
3576	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	We have been working with the City of Vancouver through the circular food innovation lab, and it has been very interesting, particularly related to preventing food waste because we are working upstream. It is important to right size the way the sales are designed and the amount of food prepared for an event when thinking about the food sector, to understand the specifics of your event – it is an art and a science.

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3577	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	In the past, hotels shared back door/alleyway with another hotel– it was suggested to add a shared waste and recycling bin but received major pushback– there is an education piece that is missing. oThere is liability in restaurants giving away food that is still edible but not sellable oThe owner carries a great risk – you don't want to have a line-up in your back door for people experiencing homelessness who would take the food
3578	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The regional campaigns don't have the effect that they mean to have. There is a big benefit in having local campaigns. Having a local approach to the campaign has a big impact, households need to be targeted directly. oIn terms of food services and food waste, some parts have more waste than others (food waste near a mall vs. a small street), suggested to move in the direction of local campaigns based on people's behavior in those locations. oThis would have a bigger impact than a blanket campaign
3579	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium priority
3580	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high?	Medium high priority
3581	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Approaching businesses to promote the idea of improving recycling, often receives push back because there is no incentive for them to change the status quo. Convincing the business to change the recycling habits is challenging therefore a grant program would make it easier to convince them to change the way the manage their waste. oCash grants are a good carrot to change behavior oCurrently there is no incentive to convince businesses to change their behaviour. oIncentives would not change everything but would push businesses a little bit. oBurnaby had a program – community grant (small amount) for people to organize events and required filling out a form to identify how the funds would be spent – easy and straightforward process.
3582	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	With small-medium size businesses, the process of grant application needs to be streamlined, and businesses should be given a degree of autonomy. oIt could allow spending in areas where it works for them particularly in tourism. There can be a cognitive overload with a blue-sky grant. oHaving a set of options or suggestions on how one can apply that is linked to a specific outcome would be helpful so businesses don't have the challenge of deciding themselves.
3583	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Reducing the load of finding the contractors or business partners and service providers would be helpful because getting a quote and finding them is very challenging for small businesses. Anything that can help streamline that process can be helpful. In the design of the program, it would be helpful to have a program design coach who can help the business if they need to put out a request for proposal so they can have support - these are major barriers for small and medium-sized businesses.
3584	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Question about diversion rate: what is the stickiest/most challenging part as far as moving the needle?
3585	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	How much of a priority is it to include this action in the draft solid waste management plan to your sector? Low, medium, high	Education itself is important but putting the responsibility on the tourists is not ideal.
3586	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The ownership should not be on tourists, visitors or clients to do this.
3587	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Build better signage, make it clear and easy for them to know this and dispose of items. Teaching kids/residents is important but there is no reason to focus on tourists.
3588	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	The consumer is not the one that needs the education, but it is the systems that needs the education and customers will be the beneficiary.
3589	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It will be important to communicate the success. If a visitor understands that Vancouver has success, then it will subconsciously make the tourists change behaviors. The important thing is to create norms around waste reduction and communicate the norms to the visitors. For the businesses, breaking down the guidance by influence helps (people understand where they have influence and where they can make a difference. i.e., general manager vs. employees).
3590	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Litter reduction - There are some co-benefits when it comes to tourism. Creating a welcoming place that feels safe. Vancouver's Neighbourhood cleanup program has been a success since 1995 and might be a great model to build on.

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3591	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	It could become a high priority if there is a model along with a financial benefit that could go with it.
3592	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	High and very much needed
3593	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	A good first step when looking at other pieces.
3594	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	High rise residential buildings have a quite comprehensive system that the City demands and with the exception of people who don't follow rules generally, it is quite efficient. - But for hotels, there are no systems like this that hotels can use efficiently - It is better to come up with a model and take it to businesses instead of having conversations to develop the solution together - It is better to demonstrate the benefits than building the approach without known benefits - Hotels in one area could share waste and recycling facilities. It would be labor demanding, but it could get rid of the high number of bins - Come up with a model that people can share waste and recycling receptacles and motivate people to implement - Working on a project that is about to go to the City, one of my observations is that looking at the assembly of dumpsters across the street could affect their business. This space could accommodate the neighborhood's waste and recycling facility. - If MV could have an initiative where there could be a new shared facility for newly constructed buildings to share. This could be tangible model that could be implemented easily. This was suggested through the development process/at the cost of developers
3595	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	MV has been very open to conversations with the sectors and industries. Having a dialogue that is industry-specific would be helpful to see where we are going and know what the strategy is. Knowing what MV has as a vision for the future can help the industry.
3596	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Circular food innovation lab and Hotel Kitchen (WWF & AHLA) as an example were great because they were cross-sector programs and brought together different businesses. oTourism has so many different types of businesses so identifying the sub-sectors is important and knowing where the collective challenge within the sub-sectors is and what the opportunity for collaboration is could be very important and helpful. It could involve the particular groups/sub-sectors and MV. oThe opportunity for a collective investment can help pave the way in a way that no single business can get there on their own.
3597	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	What should Metro Vancouver consider to support your participation with this action?	Providing insights into what is the future vision, and be clear
3598	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	Questions and Comments	Adding the rethink hierarchy, is this a new addition or has it been a part of the hierarchy before? Reminds me of a movement that started in Stockholm and grew from the UN Sustainable Development Goals they realized mindset was an important part of it and started a campaign called the inner development goals
3599	30-Oct-25	Sector engagement focus group notes	Destination Vancouver	Tourism and Hospitality	Questions and Comments	How closely were you working with different municipalities on the solid waste management plan update?
3600	31-Oct-25	Letter RE: Feedback on Actions in the Draft Solid Waste Management Plan Update	City of Vancouver	Local Government	EPR actions	**Add an EPR action to the Reuse section**: Even though B.C.'s EPR regulation is called the "Recycling Regulation," and the Province has enforced EPR as recycling programs, it's important to encourage reuse through EPR.
3601	31-Oct-25	Letter RE: Feedback on Actions in the Draft Solid Waste Management Plan Update	City of Vancouver	Local Government	EPR actions	Move the streetscape recycling action (ID139) to the EPR section (4.2) and clarify that EPR programs are responsible, as shown in Table 1 in the attachment.
3602	31-Oct-25	Letter RE: Feedback on Actions in the Draft Solid Waste Management Plan Update	City of Vancouver	Local Government	Actions for member jurisdictions	We need flexibility to assess staff's capacity to participate in the SWMP actions on a case-by-case basis within the context of annual budget cycles and Council's direction. We support adding a preamble to acknowledge budget pressures facing Metro Vancouver members, and updating the actions to say where Metro will collaborate with members (rather than requiring members to participate), as discussed at REAC SWSC on October 30. We also request reducing duplication wherever possible by identifying actions Metro will lead and invite members to participate. We'll provide further comments once Metro shares the draft preamble and updated actions with REAC SWSC.
3603	31-Oct-25	Letter RE: Feedback on Actions in the Draft Solid Waste Management Plan Update	City of Vancouver	Local Government	Actions for member jurisdictions	Use climate science to inform solid waste policies and progress reports.
3604	31-Oct-25	Letter RE: Feedback on Actions in the Draft Solid Waste Management Plan Update	City of Vancouver	Local Government	Actions for member jurisdictions	Assess greenhouse gas emissions associated with managing products and packaging at each level of the waste management hierarchy and use the results to develop or advocate for policies that prioritize decarbonization.

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3605	31-Oct-25	Letter RE: Feedback on Actions in the Draft Solid Waste Management Plan Update	City of Vancouver	Local Government	Actions for member jurisdictions	Conduct annual Consumption-Based Emission Inventories to report on greenhouse gas emissions for targeted waste streams. As you know from the Metro Vancouver Regional Consumption-Based Emissions Inventory, these inventories are calculated to understand the total greenhouse gas (GHG) emissions linked to a region's consumption of goods and services, regardless of where those emissions occurred during resource extraction, manufacturing and transportation phases. This approach complements traditional inventories by revealing the "embodied" carbon emissions from imported goods and is used to identify targeted reduction strategies, and set more comprehensive climate goals.
3606	31-Oct-25	Letter RE: Feedback on Actions in the Draft Solid Waste Management Plan Update	City of Vancouver	Local Government		Thank you for the opportunity to provide feedback on the proposed actions in Metro Vancouver's draft Solid Waste Management Plan (SWMP) update. This letter provides City of Vancouver staff's feedback in addition to the comments we offered at the Regional Engineering Advisory Committee - Solid Waste Subcommittee (REAC SWSC) workshop on October 6 and follow-up meeting on October 30. Many of the proposed actions in the draft SWMP support the City's Zero Waste 2040 goal to reduce waste to landfills and incinerators. We respectfully request three main updates:
3607	31-Oct-25	Email submission Re: Additional feedback Follow up	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition		The notes that the Metro Vancouver representatives prepared after our meeting were very much appreciated and accurately capture the thoughts that we provided. However, we feel it is worth reiterating some of our comments and sharing areas of concern impacting our membership and the residential homebuilding sector at large.
3608	31-Oct-25	Email submission Re: Additional feedback Follow up	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition		The downturn in the economy and multitude of barriers facing our members equates to a major challenge in affordability.... challenges in building new homes in an efficient and affordable manner and challenges for want-to-be homeowners in securing financing to purchase. Any new program implemented by any level of government needs to acknowledge the burden of costs of a new solid waste management plan and how to minimize that burden, through opt-in participation with incentives (ie: using a carrot approach versus a stick one).
3609	31-Oct-25	Email submission Re: Additional feedback Follow up	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition		Our members are being inundated with information, policy and legislative change, new programs from all levels of government and one of the better ways to garner buy-in from builders is to ensure that the program is accessible, well-understood and applied consistently in municipalities across the regional district. One unintended consequence of new policy implementation that our members are experiencing is the number of changes that are happening in silos, with the result being potential conflicts with other government initiatives and actions.
3610	31-Oct-25	Email submission Re: Additional feedback Follow up	Homebuilders Association Vancouver (HAVAN)	Construction and Demolition		A broad communication strategy to advance the knowledge transfer of implementing circular economy practices in our industry is strongly recommended and further detailed suggestions are contained within the notes taken. HAVAN reiterates our offer to partners with Metro Vancouver in sharing information with our membership through builders' breakfast type events, through our various communication channels and through focused webinars.
3611	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Metro Vancouver has, in general, more impact in terms of advocacy, and the SLRD would support in terms of writing letters, but BC needs the Metro Vancouver to lead the advocacy.
3612	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Although Metro Van has different challenges compared to the SLRD they will learn things that could be used to create new policy in S2S
3613	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		SLRD can learn and integrate/adapt the policies and programs developed by Metro Vancouver.
3614	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		The SLRD would definitly benefits from those events and the information learned from those.
3615	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This might provide insight into what the SLRD can do with their plan development.
3616	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This would benefit all build environment sectors improving design principals minimizing waste generation
3617	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		The SLRD has school program related to waste diversion and we would definitly like to incorporate more circular economy education.
3618	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		We can utilize educational materials Metro Van develops
3619	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Great opportunity to collaborate
3620	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Great opportunity to collaborate
3621	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Textile reduction is important for the SLRD
3622	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		With increasing labour costs lower barrier employment opportunities may make sense if the infrastructure is available to support the work and that workers are readily available to fill available positions
3623	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		We can learn how Metro Van tracks KPI's and use those learnings on developing local KPI measurements.
3624	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Understanding how Metro Van fills data gaps would be important.
3625	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This could create a new and local software/tech market for tracking waste
3626	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		DEI is important but I'm not sure how this fits with solid waste data.
3627	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Tracking data is very important but as well very challenging; learning from metro Van would help with data tracking as well as filling gaps

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3628	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Metro Van is very important in plastic waste reduction
3629	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		There is no such events at the SLRD, but we would be interested to hear what the industry has to say
3630	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This is currently happening in the RMOW
3631	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Deconstruction material generated by a Metro Van building may have more value that RMOW because they are older constructed with better materials.
3632	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Metro Van develops great toolkits that can be useful to others
3633	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Expand the wastewizard search engine
3634	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		If Metro Van develops a estimate that could be useful for others
3635	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		We would be interested in knowing how they would do that.
3636	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		We do this now through differential tip fee rates keeping organics at a lower rate than other wastes
3637	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		In addition to Andrew in Whistler, there is a need of support from the federal and the provincial for food waste / organics diversion for small areas where operation cost is significantly high and makes it hard to divert food waste.
3638	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		A serious look is required for processing organics so that we have the infrastructure and business cases in place to allow for compost markets to develop resulting in more organics to be diverted and composted.
3639	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		I think a better thing Metro Van can do is to advocate to lower fast fashion textile waste
3640	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Not a lot of opportunity to move homes in Whistler but perhaps there are opportunities in other SLRD areas.
3641	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This may help develop a reuse market for areas around Metro Van
3642	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Developing a marketplace requires networking and infrastructure to support material storage until it can be sold.
3643	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Metro Van learning can be used to develop SLRD program(s)
3644	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This could be expanded to less urban areas
3645	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		There is definitively a need for more recycling opportunities. There needs to be more book recycling opportunities for this to work.
3646	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Not 100% clear on what ID051 means - "through education"? Is the action educating libraries? Or is it setting up a reuse/recycling system (which would probably be more effective)
3647	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		The larger the programs are in Metro Van is the more competition there could be reducing potential costs to less urban areas.
3648	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Develops waste awareness or future waste managers
3649	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		These programs would need to see subsidies to allow the market to develop. Tool development to support this marketplace development should also be developed
3650	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Definitely a good way to prevent items going to landfill and to teach repairing. There is also a need to advocate for items to be build to be easily repair and not be made to be landfilled
3651	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Steps they take could be applied in the SLRD although reduced population density within the SLRD may limit the same opportunities
3652	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This may help connect farmers with social service groups. Is this working already within the SLRD or could it be made better through improved mapping?
3653	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		With the amount of residents moving and visiting Metro Van and the SLRD this is definitely important
3654	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This could be helpful for resort communities.
3655	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This is great; the SLRD hasn't been able to do it, but we would like to learn from metro Van on the path to do it
3656	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		They should push more reusable cup usage
3657	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This is happening now but the science could be expanded on.
3658	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Creates a market for recycled products that may not exist today.

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3659	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Higher recycled content means recyclables have higher value relative to virgin material
3660	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Markets will evolve if a constant predicable amount of material is recovered for recycling
3661	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This reduces cost burdens to LG's
3662	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		We need the Province to eliminate these materials or create a recovery program that is not funded by LG's
3663	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		This would reduce the risk of pollutants being released into the environment and would reduce the risk of fire at collection points.
3664	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		I would add that this should include advocacy for HHW Events to be covered by EPR organizations, or subsidized by someone other than local governments.
3665	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		EPR programs are the key to get the materials being properly recycled, and so across BC. Advocacy is very important and advocating for small business to be part of those programs is crucial to improve recycling
3666	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Need more quality compost facilities
3667	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Lots of great info exists today.
3668	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Food related packaging that composts would reduce the amount of water used to rinse out container for recycling.
3669	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Along with advocacy
3670	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Metro Van could develop a system then advocate for its use within BC
3671	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Along with determining collection space requirements
3672	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Make it more fun.
3673	31-Oct-25	Additional Feedback	Squamish-Lillooet Regional District Board	Local government		Understanding of litter and illegal dumping on wildlife and environment with the advocacy of improving recycling programs is important. Metro Van could advocate to improve resources to CO's as illegal dumping on crown land are very often left due to lack of resources impacting RD's and municipalities surrounding
3674	31-Oct-25	Email submission Re: Options Analysis feedback	TidyBid	Independent hauling & disposal professionals		Desire for More Clarity on Disposal Requirements: Our respondents, particularly smaller independent operators, expressed the need for clearer communication from depots and transferstations regarding acceptable materials, fees, and changing protocols. They are veryinterested in more local drop-off / transfer sites.
3675	31-Oct-25	Email submission Re: Options Analysis feedback	TidyBid	Independent hauling & disposal professionals		Support for Recycling & Diversion Incentives: There is strong alignment with Metro Vancouver's goals to increase recycling and diversion. Many of our Pros are interested in programs that make sorting and donating items easier at the curbside level, especially for cleanouts and estate jobs.
3676	31-Oct-25	Email submission Re: Options Analysis feedback	TidyBid	Independent hauling & disposal professionals		Concern Over Cost & Accessibility: Operators noted that increased regulation or fees—without corresponding education or infrastructure—could unintentionally discourage proper disposal. There is interest in regionally consistent guidelines to reduce confusion. Their number one concern is increased fees, and they are interested in possible grants or rebates for green equipment.
3677	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		What would this look like? Cross institutional forum?
3678	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Have embedded in planning permission reqs with City of Van & other local municipalities
3679	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		ID079, ID074, ID013 and ID042 are very similar – can they be combined into one?
3680	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		"Support" seems to mean providing staff hours, collaboration, and guidance, it would be good to see funding the support for some of these ideas, such as ID016. Perhaps MV can run a pilot and report on it. It would be great to go beyond the idea phase here and into action.
3681	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Collaborative with the commercial sector or research groups? Would love to see an option to try a circular approach with the commercial sector

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3682	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Expand to hospitality and healthcare sector linens - particularly end of life textile recycling opportunities. ID024 similar - combine
3683	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Introduce mandated sector specific targets with annual reporting requirements, incentives for compliance and potential penalties for non compliance
3684	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		This would be great. The health authorities would love to engage with Metro Van to explore better waste management solutions..
3685	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Love this idea.
3686	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Love this! Toolkits are helpful.
3687	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		What does this look like and how to we develop that metric? kg/employee? Tools on serving sizes, planning for future food needs?
3688	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Can we include assurance that there are realistic diversion programs available for any and all items added to the disposal ban list?
3689	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		How do we ensure these incentives are also available for the commercial sector client reducing their waste? Waste costs can be high, and the cost of recycling and additional containers requires more budget, space and staff time.
3690	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		MetroVan governance of these waste and recycling collectors to ensure waste is going to the appropriate, regulated end disposal location. MetroVan audits/reporting requirements..
3691	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		For which sectors?
3692	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		I think this should also include some ideas on how to measure and report on reuse as it changes diversion rates and disposal rates. Can there be a calculation (similar to how we calculate waste diversion) on the impacts of reuse?
3693	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		What about other items such as commercial equipment?
3694	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Good example from Vancouver Island Building Material Exchange – BMEx - Light House
3695	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Which sectors could be included here?
3696	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		It would be good to see metrics here again – how can businesses report on this?

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3697	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		It would be helpful to group the food related recommendations together.
3698	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Grants/funding pathways for larger sectors such as healthcare whose budgets are challenging and at times limiting to implementing circular economy pilots/solutions. Potential to have big impact if successful.
3699	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		MetroVan support of healthcare to conduct repair pop ups
3700	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Shared resources
3701	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Would be good to see guidelines and policy on how to ensure recovered food can be taken from all business types
3702	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		I agree, healthcare would love to donate food but has encountered some challenges.
3703	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Prioritizing reuse over disposal pathways for single use be most effective use of resources. Shareware schemes with deposits for reusables, discounts for individuals bringing their own.
3704	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		We should see the region advocate for EPR for all business, not just small businesses. Not all large businesses are for profit. Would be good to see working producer responsibility agencies to advocate for better recycling programs for businesses
3705	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Health sector specific sorting station would be an innovative way to manage healthcare and other sectors deemed as 'risks'.
3706	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Yes please! We need more local support
3707	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Explore waste segregation technology to support and educate people on correct waste disposal.
3708	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Would have liked to see ideas on how to reduce the costs of recycling for businesses
3709	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Can we also include requiring haulers to inform their clients of this as well?
3710	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Great idea! This will build trust in the recycling programs.
3711	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Increase penalties for illegal dumping/littering.

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3712	31-Oct-25	Additional Feedback	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities		Collaborate with wildlife NGOs.
3713	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		Over the past three years, Waste Connections has been a constructive participant in developing the draft Solid Waste Management Plan. Throughout this process, we have emphasized that the private sector is, and should remain, an essential component of a world-class waste management and recycling system.
3714	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		Based on the direction given to the Industry Advisory Committee, it appears Metro Vancouver intends to further consolidate waste and recycling operations under direct public control. This approach would impose significant costs and risks on Metro Vancouver ratepayers.
3715	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		We were disappointed to see that Metro Vancouver staff removed from consideration the proposal to "Privatize the regional solid waste system." During committee discussions, numerous participants suggested variations on this idea, including: 1. Allowing private operators to accept waste and pay a discounted generator levy. 2. Permitting off-site or out-of-region processing. 3. Enabling private development of infrastructure under Metro's regulatory oversight. 4. Avoiding public investment in facilities that can be delivered by private capital. 5. Selling Metro Vancouver facilities to qualified private operators. 6. Increasing system capacity by incentivizing new licensed private facilities.
3716	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		While views may differ on some of these points, none should have been dismissed outright. A transition to a privately operated system, under strong Metro Vancouver and Ministry of Environment regulation, could eliminate the need for over $340 million in planned capital spending and $295 million in new borrowing over the next five years (source: GVS&DD Capital Portfolio Budget, p. 23). Moreover, selling existing Metro Vancouver assets—landfills, transfer stations, and other facilities—could generate hundreds of millions in proceeds to reduce debt and strengthen the region's financial position.
3717	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		Rejecting an option that could materially reduce taxpayer burden without a thorough cost–benefit review is, frankly, irresponsible.
3718	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		At a recent Industry Advisory Committee meeting, staff stated that privatization was dismissed because no examples of similar systems were provided. In reality, almost every jurisdiction in North America successfully operates under regulated systems with private operators. This includes Washington State and Oregon, where Metro Vancouver has signed "standby contracts" with landfill facilities. The notion that lack of examples justifies dismissal is a red herring—many other proposals advanced for further study have less precedent. There are several deficiencies in the staff rationale, including:
3719	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		Absence of cost–benefit analysis. Staff claim that public ownership ensures "reliable and resilient" service but provide no comparative data on system costs, efficiency, or innovation potential. With over $340 million in capital expenditures planned, rejecting privatization without evaluating its potential financial advantages leaves Metro Vancouver ratepayers exposed to unnecessary cost.
3720	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		Overstated compliance argument. The report suggests that only public ownership can ensure compliance with disposal bans. These standards are already enforceable through bylaws and provincial regulations. Many private operators across Canada comply effectively under regulatory oversight.
3721	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		Missed innovation and capital leverage. Private operators frequently lead in technology adoption—such as optical sorting, anaerobic digestion, and smart collection routing. In fact, our company is currently implementing large-scale artificial intelligence and robotics to improve efficiency and outcomes. This will result in reduced cost and better management of scarce resources, such as landfill capacity utilization. Metro Vancouver has implemented many of these technologies long after private-sector companies in other jurisdictions did. Excluding private participation foregoes the co-investment and innovation incentives that drive circular-economy advancement.
3722	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		Unaddressed risk allocation. Public ownership concentrates operational risk—cost overruns, equipment failures, contamination—on taxpayers. A regulated private model would transfer those risks to operators, while maintaining public oversight and accountability.
3723	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		Institutional bias. The staff position appears to protect existing institutional interests rather than evaluate policy options objectively. Privatization warrants at least equal consideration to the many less practical concepts still under review.
3724	31-Oct-25	Email submission Re: Metro Vancouver Solid Waste Management Plan (SWMP)	Waste Connections of Canada	Waste Industry		Metro Vancouver's rationale rests on untested assumptions. A regulated private system can deliver the same reliability and environmental compliance while reducing financial exposure and stimulating innovation. We urge Metro Vancouver to reconsider this approach and allow a comprehensive, evidence-based assessment of regulated private delivery models within the Solid Waste Management Plan.
3725	31-Oct-25	Email submission Re: Petition to close the Metro Vancouver Incinerator	Zero Waste BC	Non-profit		We appreciate the opportunity to provide input on the Options Analysis phase of the planning for the next solid waste management plan. We submit this petition calling for Metro Vancouver to shut down the incinerator. In our discussion with residents, we heard their concerns about health, air quality, climate change, environmental impacts, impacts to the Fraser River, toxicity and the legacy for future generations as well as strong support for better, zero waste options. We are attaching the list of the over 350 people and organizations that are calling for change. Please include this with the feedback on the options Metro Vancouver is considering.

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3726	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		Fraser Valley Regional District (FVRD) staff have reviewed the reports provided by Metro Vancouver as part of their Options Analysis phase of their Solid Waste Management Plan (SWMP) Update process. We appreciate the time and effort that went into these reports, as well as the public engagement that contributed to their content. As an adjacent regional district, the FVRD shares a border and an airshed with Metro Vancouver, as well as overlapping solid waste systems. The ideas and options listed in the report demonstrate that there are multiple areas of common interest with regards to solid waste management.
3727	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		We are particularly pleased to see several options that aim to increase diversion and promote the upper levels of the waste hierarchy, such as: • promotion and advocacy for expanded EPR programs (ID116, ID118) • efforts to promote the reuse of used building materials (ID015, ID040, ID035, ID038) • improved awareness and education (ID100, ID104, ID135, ID159) • strengthening the region's reuse and recycling infrastructure (ID037, ID044, ID046, ID061, ID123) • support for textile waste reduction (ID023, ID024, ID105), and • options for managing food waste and food service ware (ID016, ID055, ID050, ID067, ID075).
3728	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		There were multiple submissions provided to Metro Vancouver as part of this engagement process advocating to phase out the use of the waste-to-energy facility. It was very disappointing that these ideas were simply categorized as "unadvisable" by Metro Vancouver and were dismissed from further consideration. The rationale provided for this dismissal was that costs of incineration were consistent with landfilling and that air emissions are below regulatory limits. Not only is this rationale lacking, but outright dismissal of opinions related to significant solid waste infrastructure suggests a failure in meaningful public consultation that ought to be considered by the Province when they review the plan for potential approval.
3729	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		The FVRD advocates for the health of our shared airshed. The geographical features of the sensitive Lower Fraser Valley Airshed results in emissions from Metro Vancouver often blowing into, and accumulating, into the narrower portions of the airshed within the FVRD, where they can persist for prolonged periods of time. According to Metro Vancouver's own stack testing results, sulfur dioxide (SO2) emissions from the facility frequently exceed the 50 mg/3 regulatory limit in the Operational Certificate (albeit below the temporary interim discharge limit) and significantly greater than SO2 emissions from a comparable, but newer, facility in Durham-York. SO2 is of particular concern as this pollutant rapidly reacts with other emissions in the atmosphere and contributes to elevated levels of fine particulate matter (PM2.5). Over 80 Air Quality Advisories have been issued within the Fraser Valley over the past 6 years, mostly due to elevated PM2.5. Reducing emissions from all contributing sources of PM2.5 within the airshed, particularly from point sources such as garbage incinerators, should be given real consideration and not be simply rejected as "unadvisable".
3730	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		Metro Vancouver's continued dismissal of concerns raised by the FVRD, and others, about the incinerator undermines the credibility of their SWMP update process and creates an unfortunate barrier for potential collaboration. Metro Vancouver should be providing the upgrades needed to reduce emissions from this facility and should be including a strategy in their SWMP for eventually phasing out the use of garbage incineration.
3731	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		As part of the presentation made to adjacent regional district staff (October 23, 2025), Metro Vancouver presented that regulatory changes to their solid waste system and options to address future disposal capacity are considered as strategic approaches (slide 21) and beyond the scope of the plan at this time. We were told that no specific actions will be associated with these topics so that, as per Metro Vancouver staff, the SWMP process does not get "hung up" on these issues. Given the anticipated population growth of the region, the age of the existing garbage incinerator, and the limited lifespan of the Vancouver Landfill, long-term disposal capacity seems like a relatively urgent issue. It is astonishing that specific actions associated with these topics are not being provided for discussion or consultation and feedback or ideas are not being sought from stakeholders to include within the Options Analysis. The FVRD needs to be informed and consulted if new bylaws to Metro Vancouver's solid waste systems are being considered that will potentially affect waste flow in our region, or if new garbage incineration capacity is being considered that will affect our airshed.
3732	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		During the presentation to adjacent regional districts, Metro Vancouver staff identified several criteria that will be used for "considerations in selecting landfilling or waste-to-energy if new capacity required" (slide 22). We are confused and stunned by the revelation that not only is "consideration" already being made towards new incineration capacity but that specific criteria have already being developed. Metro Vancouver made a specific commitment to the FVRD Board when they appeared as a delegation in 2024 that no work is underway to develop new waste-to-energy capacity. The fact that criteria has already been drafted for evaluating new capacity suggests otherwise; the fact that air quality, or the sensitivity of the airshed, was not included in the criteria suggests that Metro Vancouver has already dismissed all FVRD's concerns about airshed health.
3733	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		Not all ideas submitted to Metro Vancouver as part of their engagement appeared to receive adequate consideration during the Options Analysis. For example, while we do not know the name of the person who provided this suggestion, the following was included in the "Full List of Ideas Received From Idea Generation Engagement" (p24): "No load of waste shall be sent to final disposal (landfill or incineration) with more than 20% divertable content… it would force us to put everything though an MRF and extract the recyclable and/or compostable material that lazy people or those who do not care about waste diversion, simply put in the garbage." This suggestion appears, to us, to be for Metro Vancouver to include consideration of mixed-waste material recovery facilities (MRFs) to maximize diversion. The potential use of MRFs does not appear to have been considered in the Options Analysis, however. Metro Vancouver's response to this submission was to "Review and expand Metro Vancouver disposal ban program to include new items such as textiles." This response seems to unfortunately miss or ignore the actual idea that was submitted and fails to provide rationale for not providing further consideration for the use of MRFs.

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3734	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		Action item ID172 in the report suggests exploring potential technologies that will convert wood waste into energy and fuel. Given the potential air quality impacts from these technologies, including release of fine particulate matter, volatile organic compounds, and nitrogen oxides, air emission considerations should be included when evaluating technology options and non-combustion-based technologies should be preferred. There is also a concern that the investment into additional energy recovery infrastructure that requires the use of municipal solid waste as feedstock further acts to disincentivize the potential development of processes that would better utilize this material in the future for reuse or recycle instead.
3735	31-Oct-25	Letter RE: Metro Vancouver's Solid Waste Management Plan Options Analysis Engagement	Fraser Valley Regional District	Regional Government		Increasing public transparency in the recycling system is important to build trust, and actions suggested to strengthen this transparency (e.g., ID156, ID158, ID159, and ID135) are encouraged. It is also important however that public awareness about materials collected and sent for incineration also be included in these efforts to increase transparency, particularly if residents believe the materials they are separating from their garbage and sending for recycling are instead being incinerated.
3736	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Medium: Consistency is key to sustainability initiative and seeing others like businesses actively contribute would encourage the participant to do the same while inviting others to join them
3737	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Medium: Solid waste management downstream is still a part of the solution
3738	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would depend on the means of advertisement and the sectors in which these initiatives are presented and taught
3739	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Modeling practices and engaging in education about them would be beneficial to motivate people to care
3740	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If businesses preach about an initiative they don't practice, people are quite unlikely to listen to them, especially with corporations and their current reputation on pollution, consumerism reinforcement, and neglect/minimization of global warming
3741	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Education tools would be important but reinforcement of the initiatives throughout the community it also important to make sure that it isn't a short-lived trend
3742	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	When policies can involve fines, businesses may also take it more seriously
3743	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant would find it easy to participate in such initiatives if there are clear, realistic steps and easily accessible areas to implement
3744	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Spreading the news about the initiatives and adding some rules to get apartments and public areas to be involved. These steps are more likely to motivate people to partake
3745	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant suggested they would need to see others participate to feel like they are not making the effort on their own
3746	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Including the general public as mentioned using free or affordable workshops to teach people, even influencing figures like educators so school and youth are active members in this work
3747	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Having volunteers trained to spread awareness and model these actions would be a good step as well
3748	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Teaching people the benefits and how they're involved in this would make it more relatable to attract people into action
3749	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant would be interested in participating in libraries, refill at retail, and furniture reuse

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3750	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Making these initiatives eco-friendly and more affordable than expensive brand
3751	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Working on an individual and local level is necessary but not sufficient for a significant change, so there is an importance in spreading messages across youth, families, neighbourhoods, and communities
3752	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Important for initiatives to be straightforward and practical
3753	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	Questions and Comments	What types of businesses would be taking part?
3754	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	Questions and Comments	Who would be participating?
3755	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant suggested that accessibility, affordability, practicality, and education are essential to supporting their participation
3756	3-Nov-25	Interview #3 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	More awareness activities/ads and inclusions in various areas (residential, educational, and occupational)
3757	4-Nov-25	Email Submission	Gaia Strategies	Environmental consultancy		Expanded use of in-sink food waste disposers in the region's toolkit, especially for multi-residential buildings – as an important complement to the green-bin system
3758	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Medium: Participant found it difficult to answer how this action would impact them as a consumer
3759	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Participant was not able to identify the business practices they would like to see from businesses to reduce waste or what would engage them the most as a consumer
3760	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Participant mentioned that they did not know of any businesses offering special waste reduction initiatives and engaging customers in that process, so it was difficult to say how important this action would be without a reference point to understand how effective it could be
3761	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Participant suggested ad campaigns about these actions could help as well as a timeline for consumers on what to expect and when in order to ease the transition
3762	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be very easy to participate
3763	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	To have businesses take care of waste reduction at the source makes the process more convenient for the consumer
3764	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Easier access to businesses taking on these actions would be great, so that the participant knows exactly what steps the business has taken
3765	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Clear instructions on how the participant can engage and reduce waste through the business or its programs
3766	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	As long as there are guidelines on what needs to be carried out, participation should be possible
3767	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Education tools would be key to help businesses do this and to help consumers understand the business' actions
3768	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	If participant had learned more about waste reduction or circular economy through school programs, they might be better equipped to identify where businesses are already making changes, so educational programming in schools could be helpful
3769	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant was not sure how Metro Van could best support their participation in this action
3770	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant mentioned that helping businesses develop and communicate their success stories in waste reduction would not necessarily be helpful, as they would not be sure where or how to access those stories in a timely way while ensuring there is no greenwashing
3771	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	How much of a priority is this to you?	Medium: Participant suggested that it is important, but likely not the top priority when it comes to waste management

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3772	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Relatively easy, as the participant doesn't mind the extra effort
3773	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Concerns would be hygiene with reuse, so participant would be selective in what products to reuse or refill
3774	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be easiest to participate if opportunities were more convenient across locations and availability
3775	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Process to participate should be simple and easy to understand
3776	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	There should be an easy way to clearly view stock and what's available in terms of reuse/refill/repair
3777	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	It would be easier to participate if there were cleaning process assurances that were clearly communicated to the public and increased transparency about how items are handled
3778	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Participant has tried rentals and furniture reuse systems before and found them to be a great opportunity, but still had concerns about the cleanliness and quality of the products
3779	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	Is there anything else you'd like to add to the conversation on this action?	Community curbside pick up systems could also be a great opportunity to explore
3780	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	Questions and Comments	What information is going to be provided to participants about the handling and cleaning procedures for reusable items?
3781	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant was unsure about what Metro Van could do to support their participation in this action
3782	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant suggested that they thought it would be beneficial to expand offerings and support to reuse/refill systems such as foodware, shopping bag sharing at events, schools and elsewhere
3783	5-Nov-25	Interview #4 Notes	Mind Your Plastic	Public members-at-large	What should Metro Vancouver consider to support your participation with this action?	Participant would utilize community-based solutions such as buy nothing groups, but would likely not utilize shared fridges if they were available in the participant's neighbourhood
3784	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Cost Implications of Additional Contingency Disposal	Metro Vancouver claims "Zero Waste BC includes in their analysis cost estimates for both the Vancouver Landfill and contingency disposal that are fabricated". Zero Waste BC has been requesting details regarding how Metro Vancouver is calculating the disposal costs in order to compare it to the actual line items in the publicly available financial plans since 2024, through ongoing emails, at meetings including an August 27th meeting, and again at the Oct 3rd Public Technical Advisory Committee meeting. Though a little more information has been provided, it is inadequate to fully compare the calculation of these numbers in a way that shows transparently where all of the costs come from and how it translates to the financial plan.
3785	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Cost Implications of Additional Contingency Disposal	We have discussed this analysis with several industry experts and they agree that adding in the costs of the recycling and waste centres when looking at disposal does not make sense when deciding future disposal options for the region as these are required regardless. To determine realistic figures we used disposal costs only and did scenarios with both the less realistic Metro Vancouver estimates for disposal costs1 as well as the calculated costs or those seen in public bids. The scenarios show that the higher the external landfill costs are, the better the business case for more rapid advancement of zero waste strategies. The lower they are, the more savings accrue from closing the incinerator.
3786	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Cost Implications of Additional Contingency Disposal	We agree that economies of scale would reduce the contingency disposal costs and it is this kind of information that we recommend that Metro Vancouver seek (such as through a Request for Quotes) as part of responsible solid waste management planning. In addition there should be a thorough assessment of the maintenance, upgrade and future plans for the waste to energy facility to fully understand the estimated costs to keep this facility running. The recent request to the BC Utilities Commission for an exemption from parts of the Utilities Commission Act to connect energy to the City of Burnaby includes language around rebuilding and replacement of the incinerator and a contract length of up to 50 years. For this reason, it is also important to determine the costs and timing if the facility were to be rebuilt and to make this public. Now is the time to provide this information before any further decisions are made that lock Metro Vancouver into continuing with this facility and to ensure elected decision makers have all of the facts.

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3787	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Cost Implications of Additional Contingency Disposal	Regarding costs noted for customers currently using the incinerator for materials not currently suitable for disposal at other solid waste facilities, it is concerning that materials from health care facility waste, international waste, customs seizures, police seizures, and others are going to the incinerator. The incinerator was not designed for hazardous waste nor has the public been asked about a change to burn hazardous materials. These materials should be going to locations designed for managing hazardous wastes (which may or may not include incineration as there are non-burning methods for managing most types of hazardous materials). These higher costs also act as a driver for design change rather than subsidizing poor waste management. It should be clarified that there is no reason for regular waste coming from a health care facility to go to an incinerator and instead should be managed as regular municipal waste. Not requiring it to go to only one location would allow the health authorities to save money on their waste management contracts as haulers can then include facilities in their regular route planning and take it to the most convenient location. Overall, all customers costs can be saved by closing the incinerator and actively pursuing zero waste.
3788	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Costs of Waste Reduction	Though Metro Vancouver is not the leader in waste reduction2, the numbers do show that waste has decreased since the last solid waste management plan was drafted. Our case study used an average of $4 million per year spent on actions that could help zero waste (this assumes that 100% of staff time and work under the line items for Policy and Facility Development, ZW Implementation, Programs and Public Involvement/Community Engagement and the Sustainability Fund (til 2014) was directed only to reducing waste) for the 11 years of 2010-2020 to get a sense of what could be accomplished. If a 2.2 % annual decrease in waste could be accomplished over those years with that funding and also the distraction of trying to build a new incinerator at a cost of at least $2.5 million and a lesser effort at waste reduction then we think that spending $10 million more a year and actually trying to reduce the waste should be able to accomplish more such as the 5% reduction we included in the analysis. However, the financial analysis spreadsheet does allow the option to change the reduction levels to see what the outcomes are as a planning tool, which is what it is intended as. ZWBC is recommending additional funds be spent on reducing waste and the reduced total costs come from the ensuing reduction in garbage. Yes, our case study also showed that costs to reduce waste are far less than costs to dispose of garbage which is why it is so important to actually reduce the waste in order to get the savings.
3789	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Costs of Waste Reduction	The Public Technical Advisory Committee has already provided a detailed list of numerous suggestions for how waste can be reduced (in particular from the three working groups looking at plastics, organics and construction and deconstruction waste). Zero Waste BC also provided a list of actions stemming from engagement conducted on behalf of Metro Vancouver in the Ideas Generation phase of planning. Metro Vancouver itself has commissioned at least three consultant's reports (construction and demolition waste reduction potential, how to decrease waste in multifamily buildings, best practices for 3Rs -reduce, reuse, recycle) but has not released the results publicly and it is unclear if it has implemented recommendations or if they influenced the solid waste management planning. Going forward, Metro Vancouver needs to set more aggressive targets on waste reduction and actively work towards them, in partnership with others. Using taxpayer funds to generate reports that appear to be unused nor shared is a waste of money.
3790	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Disposal tonnage	Metro Vancouver states " Zero Waste BC assumes that there is additional capacity at the Vancouver Landfill that could accommodate garbage currently managed at the Waste-to-Energy Facility based on unrealistic projections of the amount of waste requiring disposal under all scenarios." The purpose of the analysis was to be able to adjust the levels to see what the outcomes would be under different scenarios. The Vancouver Landfill is allowed to accept 750,000 tonnes per year though the highest shown in Metro Vancouver reports in the past years was 699,555 tonnes in 2021. Our scenario calculations used both 750,000 tonnes and 700,000 tonnes as options and show the additional waste going to external landfills (which is costed in two ways -Metro Vancouver disposal costs and using RFP data for another community). The scenarios factor in a level of waste reduction which can also be adjusted.
3791	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	In summary	We disagree that the transfer station costs should be allocated to disposal and instead a sound analysis of future disposal costs (including a RFQ on external landfills at different volumes) should be conducted and shared publicly as part of the waste planning process. The disposal costs should link directly to the budget line items to make it transparent. The budget (predicted and actuals) should be made public and break out items into collection, transportation (in and out of region), recycling, disposal (by method) and actual work on waste reduction (zero waste). There should be an analysis looking at future costs as the current five year financial plan shows the incinerator will be driving huge increases.
3792	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	In summary	As requested in our press release, Metro Vancouver should commission a comprehensive study conducted by an independent health organization on the levels and cumulative impacts of pollution from the incinerator, with full transparency on process and results; and halt further work on connecting the incinerator to a district energy system until the facility is proven to be cost-effective and safe for the community and environment.

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3793	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Metro Vancouver's Investments in Waste Reduction and Recycling	When the Case Study was developed, there was only the budget line items for Policy and Facility Development, ZW Implementation, Programs and Public Involvement/Community Engagement and the Sustainability Fund (until 2014) as noted above and an additional line for the Transfer Station system (which the budget item was renamed the Recycling and Waste Centre for 2022 which was after the case study was completed). The purpose of the case study was to look at what had changed since the adoption of the 2011 solid waste management plan. The budget for the Transfer Stations/Recycling and Waste Centres has increased over time but from the publicly released data, it is unclear what portion is related to new programs to reduce waste and what is just the incremental cost changes as the cost of doing business has increased. According to publicly available data the mattress ban started in 2011 and the following year the Transfer Station costs were $2.1 Million more than 2011 but only $0.8 million more than 2010. It is assumed that Metro Vancouver would have started to receive revenue for the recycling costs associated with the Recycle BC program in 2014, which should have further decreased recycling costs. In 2024, we had specifically requested that the costs for all recycling be separated out and Paul Henderson had replied in an email March 24, 2025 that "Recycling is a core element of these facilities and as such excluding the costs from the overall cost of the facilities would not be appropriate. Additionally, many of the materials you note are paid recyclables or generate revenues through product stewards and as such the net cost of these activities is not material compared to the overall cost of operation of the facilities." Further, we were told "You suggest including the cost of waste reduction in Metro Vancouver's annual financial reporting and comparing that to disposal costs. As you are aware, many parties are engaged in waste reduction and recycling sharing benefits and costs. Metro Vancouver does not have information with respect to the cost or benefit to individual entities of reducing waste. .... Metro Vancouver's information with respect to costs and revenues are centred on the costs and revenues related to our facilities and our actions to encourage waste reduction." The case study was intended to show what costs could be seen from the publicly available data and to request that for the solid waste planning process, that Metro Vancouver conduct its own analysis to inform the process.
3794	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Metro Vancouver's Investments in Waste Reduction and Recycling	We appreciate the additional information on waste reduction and recycling costs shown in the Nov 6, 2025 ZWC package. If we subtract the $17.75 million from the Recycling and Waste Centre costs (a portion of the $25 million) and then allocate the costs according to Metro Vancouver's method (with which we disagree), that would make the incinerator more expensive than the Vancouver landfill (and those costs do not include the very significant capital costs for the incinerator). The Nov 6, 2025 ZWC package does not outline the actual revenue generated from the recycling.
3795	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Our experience	In addition to the correspondence, meetings with staff, delegations to the Zero Waste Committee and reviewing the information provided to the Zero Waste Committee, I have been on the Public Technical Advisory Committee since 2022 attending over 30 meetings, including chairing one of the working groups and participating in the other two. For the analyses ZWBC has worked on, we have vetted the process with industry experts. All of this has been done by professionals who have contributed their time pro bono.
3796	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Our experience	We have always shared the spreadsheets we used on our website and encouraged everyone to report any errors. We prefaced these discussions noting that this is what we saw as the public, encouraging Metro Vancouver to do similar work but with their more detailed knowledge of the system (especially as it is no longer possible to get detailed information that was available prior to 2021 in the biennial and financial reports on energy, waste disposal amounts per method, capital costs for the incinerator, and in some cases actual expenses instead of just expected budgets). Watching the Industry Advisory Committee meetings show that we are not alone in questioning the methodology for Metro Vancouver's disposal costing.
3797	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Our experience	Most communication from Metro Vancouver states that Metro Vancouver is prioritizing waste prevention and welcomes input into how to accomplish this, however in our experience, the reverse is true. The length of time to get answers, the lack of transparency and the answers not actually addressing the questions or providing evidence of error on the part of ZWBC have been very frustrating. While we have approached this in the spirit of collaboration hoping to help Metro Vancouver work towards its stated goals and to develop the next solid waste management plan in line with its zero waste agenda, it has felt that the ongoing commitment to the incinerator has been a roadblock. The last statement in the letter is as follows: "Metro Vancouver previously requested that Zero Waste BC cease sharing misleading misinformation about the cost and environmental performance of the Waste-to-Energy Facility. Zero Waste BC's recent analysis of solid waste system costs and alternatives contains erroneous and misleading misinformation about the regional solid waste system including the Waste-to-Energy Facility. We request that Zero Waste BC cease sharing this erroneous information." This statement is particularly troubling given the extensive efforts we have made to gather correct information and our requests for evidence of errors.
3798	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Our experience	In response to this, we ask for a retraction or actual data showing the errors. We would be happy to meet with a staff member who has expertise in the data to come to a shared understanding of the Metro Vancouver data.
3799	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit	Requests for information	In conducting our research, we have repeatedly asked for more transparent information and worked with Metro Vancouver staff to ensure the information was correct. This includes: Nov 25, 2022 -Raising questions on the costs of the incinerator at a meeting with Paul Henderson and Brent Kirkpatrick. Response Jan 3, 2023 from Paul Henderson noting the disposal costs were being calculated and would be shared with us once completed.
3800	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		June 1, 2023 -Email to staff to understand how the total waste tonnages were calculated and what they included stemming from June 1 PTAC meeting. oResponse June 2, 2023 from Paul Henderson outlining categories Ongoing emails -June 7 from ZWBC, reply from Paul Henderson June 7, reply from ZWBC July 3.

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3801	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		August 7, 2023 -Email to Paul Henderson regarding offer to discuss tonnages and costs. Sent specific questions regarding disposal data and GHGs in Biennial report, capital costs and operating costs. Response August 7th from Paul Henderson noting he was away and would reply. Response Dec 8, 2023 from staff providing detailed answers on queries regarding waste stats and costs and noting process improvements based on the questions raised. Response from ZWBC Dec 12 with follow up questions and reply from staff the same day noting they would look into it Response from staff Dec 20 providing details on capital expenses Response from ZWBC Dec 21 sharing updated spreadsheet to reflect the input from Metro Vancouver
3802	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		December 6, 2023 -Email to Paul Henderson that notes “I am attaching the spreadsheet that I used for the calculations for the presentation on Friday as we would be happy to add in more current data, edit any data that is incorrect or determine why there are discrepancies in reports/reporting systems”.
3803	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		May 9, 2024 -presented the case study findings to the ZWC.
3804	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		Dec 13, 2024 -Meeting with staff to discuss data and changes made to spreadsheet based on staff information.
3805	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		Dec 13, 2024 -Email to Metro Vancouver Zero Waste Committee members in response to a report included in the September 2024 Zero Waste Committee agenda on the Waste-to-Energy Facility 2023 Financial Update raising several questions about how the disposal costs were calculated and what additional information would be helpful for decision makers and the public including requesting recycling costs be separated out, flagging the need to show capital costs for the future, asking for costing of zero waste actions, and asking for disposal costs for multiple years.
3806	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		Dec 13, 2024 -ZWBC feedback on proposed amended operational certificate for the incinerator regarding pollution levels and monitoring, GHGs, air quality, bottom ash, district energy, zero waste alternatives and costs. Response Dec 18 from Jerry Dubrovolny which noted the disposal costs in one line asserting waste to energy as the cheapest method but with no details on how this was determined. It did flag the incineration costs were to escalate by 20% in 5 years.
3807	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		January 20, 2025 -letter to Jerry Dobrovolny, in response to Metro Vancouver's response letter dated December 18, 2024 on Metro Vancouver's Waste-to-Energy Facility -reiterating requests for information as noted in the Dec 13 email to the ZWC. Response March 24, 2025 -Email from Paul Henderson responding to the Dec 13 and January 20th communications, with statements (but no detailed numbers) on costs. Continuing to assert that the costs per tonne are the same for the Vancouver Landfill and the incinerator but with no details showing how the budget numbers relate to this assertion.
3808	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		March 20, 2025 -Sent an email to the Budget Engagement email (copied to Paul Henderson and the ZWC) requesting clarification on several budget items including how the incinerator management contract costs are reflected in the budget, why the budget line for contribution for closure reserves for landfills had been removed and where these costs were now allocated, and what incinerator capital cost projects had been completed versus what was new now that the details were no longer provided in the budget. July 4, 2025 -Response from Paul Henderson regarding costs which note the contract for incineration management includes some capital costs but no details on how much and how this relates to a comparison of disposal costs. This email also appears to state that the landfill budget line would now cover Vancouver Landfill costs, external landfill costs, expenses for closed landfills and contributions to future landfill closure costs (which is why we acknowledge the disposal costs we calculated for the Vancouver Landfill looking forward are an overestimate due to the inclusion of the closed landfill costs and the combining of both Vancouver landfill and external landfill costs).
3809	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		July 7, 2025 Press release regarding findings of dioxins on a rooftop near the incinerator, including items on costs and GHGs. July 11, 2025 -Email from Paul Henderson titled Erroneous Claims Related to the Metro Vancouver Waste-to-Energy Facility” regarding the press release. Regarding costs, the letter states “The Waste-to-Energy Facility is the least expensive option for managing residual waste available to Metro Vancouver. The cost is slightly less than disposal at the Vancouver Landfill, and half the cost of disposal in remote landfills located in central British Columbia, Washington, and Oregon.” In response, we added Metro Vancouver’s claims to the press release page and pursued the meeting with staff that was offered.

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3810	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		August 27, 2025 -in response to the last letter, our coalition met with Metro Vancouver staff (both from solid waste and air quality/climate departments). In this meeting, we requested evidence that any of the statements in the press release were not accurate to which we received none at that meeting, just a reassertion of previous statements by Metro Vancouver. Staff noted soil testing had been conducted in the past but it was determined that ongoing testing was not needed. A few additional details (similar to what was shown to the Zero Waste Committee) on the allocation of recycling and waste centre costs were provided but no meaningful details. We requested a spreadsheet connecting the dots from budget line items to how disposal costs were determined (and noted that external landfill costs could be lumped together to avoid sharing any confidential details). October 24, 2025 -Paul Henderson sent the follow up information that was promised at the August 27th meeting. The spreadsheet we requested was not rovided but instead the same table of allocation of recycling and waste centre costs was given and an additional table of disposal costs (for one year) was given but again this did not link to the budget as the disposal costs for the landfills alone (which did not include costs for closed landfills) were almost double the budget line item for landfills while the incinerator was $5 million less. It is also important to note that showing only one year (a year in which an insurance claim boosted the revenue) is not a sound way to help make decisions for the future. Volumes for the Vancouver landfill are also much lower than have been included in previous annual reports suggesting different ways that this data is gathered or used -this is the first time that the volume of material going to the Vancouver Landfill through the Metro Vancouver facilities was shared. It remains unclear how to incorporate the capital costs for the incinerator (which are significant and climbing) into a comparison with landfills (for which there are no capital costs outside of the operating budget -per Metro Vancouver staff). oThe email notes that the Vancouver Landfill is a finite resource with a limited annual capacity but fails to note the same is true of the incinerator which also has a lifespan and fixed annual capacity.
3811						- This email also included reports on soil testing from the early 1990's which showed that testing for dioxins had not been conducted then so the assertions of testing not being needed for dioxins based on strong results in the past would certainly not hold up today, especially now that much more is known about the harmful effects, stronger standards have been introduced, the increase in plastics and chemical additives in products and testing can be done continuously on air emissions with the ability to detect lower levels. It is important to note this information did not include a report to the Board with a staff recommendation to cease testing, only to receive the report. Also of note is that a report titled "Greater Vancouver Regional District Soil and Vegetation Monitoring Program 1990" by Soil Con as a summary of their four years of testing was not shared. This report recommends the following: "Based on the 4 years of results it is recommended that: 1- the GVRD undertake a detailed evaluation of the ambient (ie., air, dustfall, soil and vegetation) and stack monitoring program results within the context of other influencing factors (ie., meteorology, other local contributing sources of pollution), 2- a routine soil and vegetation monitoring schedule be established. (It is important that a sound data base is established during the initial years of the incinerator operation.) 3- the appropriate health officials be updated regarding the 1990 agricultural vegetation Cd (ie., 5/spinach), Ni (2/grass), Hg (ie., 5/spinach) and F (ie. 4/blueberry) levels. Several of these elements have been elevated since the pre- operational monitoring program. 4- an evaluation be conducted on the merits of PAH "fingerprinting" as a tool to investigate source(s) of soil PAHs. 5- a region-wide soils and vegetation monitoring program be established to investigate whether the elevated trace element levels found in the sampling program are an isolated situation or whether they are typical of other areas in Greater Vancouver."
3812	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		Oct 9, 2025 -Presented the financial analysis of disposal options to the ZWC and provided the spreadsheet in a follow up email for the committee members to enter their own assumptions.
3813	5-Nov-25	Letter Re: Response to the claims made in the letter from Paul Henderson dated October 29th, 2025	Zero Waste BC	Non-profit		October 29, 2025 -Email from Paul Henderson with the letter attached in the November 6th Zero Waste Committee package.
3814	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Edits to the action	Develop education tools for businesses to help them **recycle**, reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations.
3815	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Edits to the action	Support the changes made in the SWSC meeting to remove "business license requirements".
3816	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Edits to the action	Advocate for the adoption of consistent reuse regulations.
3817	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Edits to the action	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction **including development of procurement tools/templates and communication materials to support implementation**

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3818	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Edits to the action	Support **and develop** recycling markets by purchasing recycled products including compost.
3819	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government		Richmond strongly supports the following IDs with their current language
3820	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government		Strongly support language requiring source separation for ICI.
3821	21-Oct-25	Sector Focus Group Notes	Vancouver Coastal Health, Fraser Health, Interior Health, Provincial Health Services Authority (including BC Cancer), Providence Health	Healthcare authorities	What should Metro Vancouver consider to support your participation with this action?	Need subject matter experts from Metro Vancouver to let us know the guidelines and where everything goes.
3822	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Edits to the action	Support the changes made in the SWSC meeting as below: Member jurisdictions will **implement standardized permitting and procurement** guidelines for reusable food service ware at public events and civic venues and facilities.
3823	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government		Finite number of food vendors in the region, there is more of a business case for regional harmonization on developing standards across all events.
3824	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Current Context and Long-Term Perspective	We support a more comprehensive overview of the region's current waste and recycling landscape, including emerging issues, demographic and population trends, and existing infrastructure capacity. This should include a broader technical review with industry players, including those who operate recycling facilities, those who provide the collection services and those who provide disposal services. Current and emerging capacity gaps should be evaluated and projected with a wide range of opportunity solutions identified. While some of this may be addressed elsewhere in the Plan, the City encourages Metro Vancouver to continue this dialogue and integrate corresponding strategies into the Options Analysis. This should include consideration of evolving challenges such as contingency planning for key materials—garbage, organics, and wood—as well as issues related to disaster debris management, demolition and construction disposal capacity, municipal solid waste capacity and increased congestion and associated waste generation related to Small Scale Multi-Unit Housing developments.
3825	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Edits to 2022 IDs & Ongoing Items from the 2010 Plan	City staff have provided suggested edits to several IDs which are outlined in Attachment 1. Through this review, it appears that some actions or objectives from the prior 2010 Plan remain either ongoing or not yet fully implemented (Attachment 2). It would be beneficial to explicitly identify these items, confirm which are being carried forward, and outline how they will be addressed or integrated within the framework of the updated Plan. Establishing this clear line of continuity between the previous and updated plan would enhance transparency, demonstrate ongoing commitment to previously identified priorities and ensure progress is clearly tracked over time.
3826	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Inclusion of Targets, Actions and Broader Goals	We support including targets similar to those outlined in the 2010 Plan to ensure all member municipalities are working toward common objectives. Establishing ambitious, clear and measurable targets would also help guide municipalities in developing local programs, policies, and bylaws that contribute to achieving these shared goals.
3827	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Inclusion of Targets, Actions and Broader Goals	Additionally, the current list of actions does not clearly demonstrate how each contributes to the Plan's broader strategic objectives or measurable outcomes. Strengthening the connection between individual actions, overarching goals, and performance indicators would improve coherence and support more effective performance monitoring.
3828	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Regulatory and Incentive Frameworks	We support the Plan having a stronger focus on regulatory and policy development, particularly in relation to encouraging or mandating higher levels of recycling and diversion in the ICI sector. This could include enforcement of existing disposal bans at the ICI level, supported by effective communications and outreach to raise awareness and improve compliance. Additionally, exploring incentive mechanisms, coordinated regulatory tools, and advocating for extended producer responsibility measures could help to promote regional harmony and alignment in policy approaches would help level the playing field for businesses across jurisdictions.
3829	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government	Research and Development	Opportunities to increase the incorporation of research and development (R&D) led by Metro Vancouver to enable a more proactive approach to identifying solutions, fostering innovation and addressing challenges collaboratively. The Plan should support the private sector utilizing R&D to help tackle known technical challenges such as odour control for organics facilities and contamination across all streams.
3830	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government		The City of Richmond commends the effort and extensive engagement that Metro Vancouver (MV) has undertaken to develop an updated Integrated Solid Waste and Resource Management Plan (the Plan). The Options Analysis presented to member municipalities at the October 6, 2025 workshop aligns well with the new waste hierarchy and guiding principles as well as outlining opportunities to strive towards more circular waste management practices in the region.
3831	7-Nov-25	Letter Re: Feedback on the Integrated Solid Waste and Resource Management Plan	City of Richmond	Local government		In reviewing the Options Analysis, Richmond staff have identified five gap areas listed below that require greater clarity and additional information. It is our understanding that several supporting documents addressing these key issues are being completed concurrently and will be integrated into the Plan shortly. Richmond staff encourage the Plan Update Team to incorporate the findings from these documents into the Options Analysis, as we believe they will be critical to the Plan's long-term effectiveness for member municipalities and the broader region.
3832	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of **circular economy (including food systems) that provides for standardized terminology, specific metrics and timelines of performance.**

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3833	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee		Advance the thought leadership on circular economy by providing support through speaking engagements, venues and learning opportunities for stakeholders.
3834	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee		Advance the framework and obligation of manufacturers and producers of protecting the environment and protecting the public interest.
3835	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Enhance partnerships with the provincial government, academia, and community groups where industry provides funding to research and develop solution to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
3836	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee		Develop support with the provincial government on consumers unclaimed deposits (i.e. beverage containers) that arise from the Recycling Regulation to fund general recycling initiatives of Metro Vancouver.
3837	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Identify and advocate for additional materials to be added to extended producer responsibility programs including non-residential packaging with and without readily available markets, such as mattresses and household furniture.
3838	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Continue to participate in BC product steward engagements and provide feedback on their regulatory obligations of EPR, the public interest and improvements to existing programs and the development of new programs
3839	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Advocate for full funding of producer responsibility programs and the expansion of residential-only programs to businesses.
3840	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Advocate for accelerated deployment of direct collection and recycling of an expanded suite of materials including film plastic and foam.
3841	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Advocate and have a regulated framework for expanded recycling drop-off options funded by the stewards or producers of the product for materials such as household hazardous waste, batteries, and items that are not traditionally recycled through the residential blue box, considering mobile options to improve convenience and accessibility.
3842	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Improve access to textile donation and recycling collection services and advocate for textile producers and retailers to set up infrastructure for recycling.
3843	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Recognize and reward those who recycle well so others are inspired to follow their example; by creating app.
3844	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
3845	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Provide a leadership to standardize national guidelines on what can and cannot be recycled; with standardize symbols and colors
3846	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Advocate for producers, businesses and recycling depots as a responsible steward to work towards streamlining the types of materials accepted where practical.
3847	10-Nov-25	PTAC member email submission Re: Feedback on the Draft Strategies and Actions Options Analysis	Public/Technical Advisory Committee (PTAC)	Advisory committee	Edits to the action	Review multi-family residential waste and recycling container space and access guidelines, including determining if the guidance needs to account for increased amounts of material or additional types of materials.
3848	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Love it
3849	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Affordability: rated high, it should be med: although upfront and operating costs can be expensive. If it wasn't, everyone would do it. Investment in money and time are required.
3850	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Practicality of implementation: rated high, it should be med: it requires multi-stakeholder coordination and logistics barriers will delay roll-out and increase costs.
3851	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Why would a certification be in rethink when a tracking solution would be in reduce? Need for clarification between rethink and reduce!
3852	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		In some jurisdictions, municipalities require residents to use transparent garbage bags instead of opaque black bags, allowing waste collectors to easily inspect the contents and identify unacceptable items at the source. For example, the City of Markham, Ontario mandates the use of clear bags for all garbage and does not accept black, dark, tinted, or white bags for collection. Similarly, the City of Chestermere in Alberta introduced a clear bag requirement to improve waste sorting and reduce contamination. In these systems, non-compliance can result in non-collection or fines, placing greater responsibility on households to properly separate their waste and support diversion goals. Understanding that the region currently uses opaque bins for recycling, the Nation encourages the exploration of transitioning to clear plastic bins as an additional measure to improve waste compliance - a practice already being piloted in countries such as Singapore and Australia to reduce contamination and promote responsible recycling behaviour.

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3853	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Lobby the provincial government to incorporate circular requirements within procurement legislation.
3854	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		This action is a vital and welcome recognition of the role Indigenous Peoples play in advancing truly sustainable, low-waste systems. For Nations like kʷikʷəƛəm, circular practices are not new - they are rooted in generations of living according to the Laws of the Creator: take only what is needed, waste nothing, and act with care for all living beings. Integrating Indigenous practices such as land-based food systems, traditional ecological knowledge, and Indigenous-led environmental stewardship is essential. However, this integration must go beyond project-based collaboration. It must include Indigenous Nations as equal decision-makers and rights-holders, with authority embedded from the outset in planning, governance, and implementation. This aligns with the principles of UNDRIP and the inherent responsibility of governments to uphold Indigenous knowledge systems and consent.
3855	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		GHG: rated medium, it should be high: food accounts for 20% of the carbon footprint of the city of Vancouver taking into account indirect emissions. Without taking this into account, there is a huge risk of climate inaction. According to the UN, food accounts for 1/3 of GHG emissions and food waste alone for 8-10% GHG emissions.
3856	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Practicality of implementation: this would be made easy with the BetterTable App for restaurants https://bettertable.com/app
3857	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Affordability: rate low, should be at least medium: food waste costs the restaurant industry 7% of food revenues. That's not affordable. New app-based technology such as the one about to be launched by BetterTable will help significantly reduce the cost of tracking food sustainability, with no complex and expensive hardware like LeanPath
3858	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Economic prosperity: rate med, should be high (food waste = 7% food revenues for restaurants = low prosperity)
3859	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Waste reduction: rated low, should be high (food is large tonnage materials, and apps like https://bettertable.com/app will directly track reduced food waste and impacts)
3860	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		GHG: rated medium, it should be high (the app mentioned above will quantify the carbon footprint of food, which is not even thought about right now)
3861	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Inclusivity: BetterTable is developed by a minority owned business certified by the 2SLGBTQIA+ Canadian Chamber of Commerce
3862	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Practicality of implementation: rate med, should be high (in-person audits have enabled to cut food waste by 30% within 6 months. Not years!)
3863	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Ensure zoning and bylaws actively support the creation of Indigenous-led reuse, repair, and remanufacturing hubs, including on reserve lands or through urban Indigenous partnerships. Why: Many Nations want to lead in circular economy work but face legal or zoning barriers. Metro Vancouver could play a supportive role in removing these.
3864	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Pilot waste education programs in multi-family buildings that include Indigenous land-based teachings, perhaps in partnership with local Nations or Indigenous educators. Why: Urban Indigenous residents and non-Indigenous people alike could benefit from teachings about respect for materials, use of all parts, and seasonal cycles, which reinforce circular thinking.
3865	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Overall: incentives should be not only for donating food but also for implementing programmes to PREVENT food waste in the first place.
3866	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		GHG Emissions Reduction: Agree with high rating, but not because it will reduce organics entering the landfill, but because food waste will be avoided. 90% of emissions from food are linked to food production, not to the way food waste is being managed.
3867	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Practicality of implementation: feasible within 5-10 years?? We are committed to achieve UN SDGs by 2030 (including reducing food waste by 50% = SDG 12.3)
3868	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Transparency: it will be likely to increase transparency of public money going to the number one solution to fight climate change (preventing food waste)
3869	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Inclusivity: rated med, should be high if the e-learning is available from anywhere at a cheap price such as https://bettertable.com/academy
3870	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Supports Waste Prevention Habits and Actions: why Likely not to have significant changes to behaviour? Education is the very first step to change behaviours! Otherwise why would we have FOOD SAFE??
3871	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Transparency: we would need transparency of the number of staff trained!
3872	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Change the idea description for: Provide funding not only for food reuse/recovery/gleaning but also for food waste prevention at the source, including tracking solutions to prevent food waste to happen in the first place
3873	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Create a regional program to fund Indigenous-led food sovereignty and waste reduction initiatives, such as traditional harvesting education, preservation workshops, and food knowledge sharing (e.g. how to prepare foods with little to no waste).
3874	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Develop disposal ban education and compliance strategies in partnership with Indigenous communities, using land-based storytelling and community-informed language. Compliance programs are more effective when they reflect local values and worldviews. kʷikʷəƛəm's worldview offers a relational approach to waste that can deepen public understanding and cultural respect.

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3875	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		The Nation supports actions that prioritize reuse infrastructure, education, and repair culture, especially those that empower community-led and non-profit solutions. Metro Vancouver could go further by supporting Indigenous-led reuse initiatives, and by integrating traditional knowledge and practices into regional education, repair events, and public campaigns. This also means ensuring these programs are accessible to all residents, including those in multi-family housing and under-resourced communities, where the impact of low-waste living can be greatest.
3876	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		For the kʷikʷəƛ̓əm and other Indigenous communities, respecting food by minimizing waste is a spiritual obligation. To reflect this, regional food recovery programs should actively incorporate Indigenous food systems, traditional knowledge, and recognize Indigenous sovereignty. A practical solution would be to establish formal partnerships and co-governance models with Indigenous Nations and organizations. This collaboration would ensure food recovery initiatives are developed and implemented in ways that are ethical, inclusive, and culturally meaningful, supporting both conventional and traditional methods of food redistribution and preservation.
3877	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		To improve convenience and accessibility, Metro Vancouver should advocate for expanded recycling drop-off options, including mobile collection services tailored to better serve Indigenous communities in remote areas. Collaborating directly with Indigenous Nations will ensure these services respect cultural practices and address unique local needs, fostering equitable access to recycling infrastructure across the region.
3878	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		In Canada, around 30,000 to 40,000 tonnes of plastic enter the environment annually due to mismanagement, including plastics that escape from recycling systems, such as open-top blue boxes during windy, stormy weather. Plastic packaging items are lightweight, and without a cover on blue bins, they are prone to leaking and becoming litter. Once they have leaked out of the blue box, they clog storm drains, pollute urban streets and waterways, and make their way downstream to the beaches and into the ocean.
3879	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Recycling collection days in Vancouver have become a known hot spot for pollution leaks. Residents often overfill bins, and waste haulers struggle with scattered recyclables, increasing operational costs and reducing recycling efficiency.
3880	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Many municipalities across BC, including, Surrey, Chilliwack and Port Alberni, use lidded carts for collecting blue box materials. So, there's already a precedent set with local governments, their waste contractors, and RecycleBC for utilizing an effective collection system that avoids leakage. Whether it's carts, or nets, or another solution - we know we need to work collaboratively to end this unnecessary source of plastic pollution.
3881	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Surfrider Vancouver would love to see Metro Vancouver address plastic pollution caused by open top blue bins through the updated Solid Waste Management Plan, ideally through carts, nets, lids, or another solution.
3882	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		Consider impacts of introduction of non-native worm species to the environment. What about table top composters (foodcycler type products)
3883	31-Oct-25	Letter RE: Feedback on Actions in the Draft Solid Waste Management Plan Update	City of Vancouver	Local Government	EPR actions	The B.C. Recycling Regulation requires producers to manage their collected products and packaging “in the descending order of preference [of the pollution prevention hierarchy], such that pollution prevention is not undertaken at one level unless or until all feasible opportunities for pollution prevention at the higher level have been taken.” The hierarchy in the regulation includes four steps above recycling: reducing the environmental impact, redesign, reducing unused portions of consumable products, and reuse. Examples of existing EPR programs that could expand to reuse include beverage containers (refillable bottles), single-use items (reusable food service ware), other packaging (refillables), electronics, appliances and electrical equipment.
3884	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large		NO MENTION OF SDG in any option analysis document!! Although the draft summary of ideas includes Reduce waste: Food Efficiency (kg food /capita), Progress towards SDG 12.3 (%),
3885	10-Nov-25	Workshop attendees questionnaire submissions		Public members-at-large	Draft Summary of Ideas Staff Consider Unadvisable	This document limits the comment to ideas that have already been vetted and advised by Metro Vancouver Staff. It does not give an opportunity to comment on those that staff have unilaterally rejected. In particular the idea rejected that Metro Vancouver "Privatize regional solid waste system". First, this is a rather sloppy way of characterizing the recommendations. The reality is that there is already some private sector involvement. I believe that Metro Vancouver should have characterized this recommendation as "Removing Metro Vancouver" from operational aspects of waste and recycling management in the region.
3886	Oct 1 – 26, 2025	Engagement summary	Vancouver Food Runners Society	Food donors		At Vancouver Food Runners, we took the Metro Vancouver survey that covered “rethink”, “reduce”, “reuse and repair”, “upcycle and recover”, “education & support” and “demographics” and adapted it for food businesses. Twenty-two food business partners completed the survey between 1 and 26 October 2025.
3887	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Honestly, the main deterrent is knowing that recycled items aren't actually being reused properly but shipped off to other countries to burn..... (eg. plastic)
3888	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Maybe an app that shows clothing electronics battery etc recycling places
3889	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	More simplistic recycling with less sorting
3890	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	More openness to help learn about recycling and being understanding/less shaming of the slow rate it takes to get into this lifestyle.
3891	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Soft plastic recycling bins made available for the home and more textile recycling centres
3892	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Separate bins for recyclable and refundable items at city parks
3893	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Pickup from condo

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3894	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Why are there so many typos in the survey?
3895	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Bulk pickups for items from rental specific housing. These places don't have large item recycling and if you live without a car it's hard to recycle large items and often they get dumped in communal areas, landfill dumpsters or in public.
3896	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Education on what needs to happen to the material so it will be accepted at the depot.
3897	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	A specific residential soft plastic recycling program
3898	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Soft plastic and styrofoam pickup
3899	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Proper labeling and sorting of bins for different materials
3900	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	I think the list is very comprehensive
3901	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	More transparency in knowing the environmental impact of recycling
3902	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Educating people in my building who put things in the wrong recycling bin
3903	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Being able to dispose materials right at the point of use (so recycling bins right next to areas of supermarkets for paper receipt recycling for example).
3904	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	I feel like there's different information out there for different materials, and I've often heard that our recycled plastics just end up in landfill anyways. I'd love if accurate information was available in public spaces (garbage and recycling bins), not just on websites.
3905	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Make electronic, tires and clothing easier to recycle
3906	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Recycling available for my apartment complex
3907	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	To decor my place w recyclables
3908	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	Reduced plastic packaging
3909	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier for you to recycle more materials?	I think the main issue is not knowing exactly what to recycle where and in what condition it is acceptable to recycle.
3910	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	I find it easy to recycle food waste.
3911	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Nothing it's easy but it probably all goes in the landfill because people throw plastic containers in there and dog poop
3912	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	We already have a compost disposal system
3913	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	More bins or days for collection to come pick stuff up
3914	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	More bins provided by the building
3915	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Training for residents
3916	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Having small processing plants to make manure
3917	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	We have food waste pick up service that works fine as is.
3918	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Less shaming/fining about mistakes made when recycling (wrong bin), and more understanding and explanation to motivate getting into the habit
3919	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Recycle bins
3920	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	A chute
3921	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	More accessible compost bins or one that were provided to residents
3922	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Free compostable bag or a way to collect per floor more often. I try to collect but I get a ton of fruit flies if I wait too long but it is a hassle to bring it down every few days
3923	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Not much. We have a greenhouse bin program.
3924	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	We already do that

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Engagement Question/Discussion Topic	Feedback/Comment
3925	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	We already compost.
3926	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Nothing that isn't already provided
3927	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Our building has a sufficient sized compost bin.
3928	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	More bins
3929	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	We already have green bins in recycling room
3930	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Assigning a specific bin for food waste and educating residents on what can be recycled.
3931	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Have a bin that accepts recyclables
3932	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	More compost bins
3933	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Bins provided for us to recycle
3934	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	It’s pretty easy atm. We have 4 bins for organics that are rarely full. The thing I notice is other residents contaminate the bins with plastics and other items.
3935	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Waste chutes. Many residents (not me) throw plastic bags in with green waste :(
3936	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Space
3937	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Better access to large compost bins
3938	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	My building already has a composting program
3939	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Better organization of material types within bins
3940	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Posters/ signs of how to store food properly or how to repurpose ingredients
3941	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	More accessibility to bins
3942	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Orientation as moving in, having guides in my fridge
3943	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	I’m not sure how to recycle food. If this means compost then my building does have a big compost bin in an accessible-ish location (although we have to go out of the building walk on the street and then go in to a different section of the building)
3944	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Having it be as convenient as humanly possible
3945	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	I think it's already pretty easy. In our shared apartment unit, we have a compost bin which we can leave outside our unit at certain times for pick up.
3946	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	It's already very easy
3947	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	People in my building NOT putting plastic bags into the food waste bin
3948	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Regular pickup
3949	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Nothing, pretty simple right now!
3950	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	More information about how to choose recycling options.
3951	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Dedicated compost container
3952	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	It is already fairly easy
3953	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	If there was more space for it.
3954	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Knowing what can and can't be recycled/composted, including what types of food waste bags are actually biodegradable
3955	Oct & Nov 2025	Online Survey - Open end responses	Mind Your Plastic	Public members-at-large	What would make it easier to recycle food waste in your building?	Accepting biodegradable bags

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Engagement Question/Discussion Topic	Feedback/Comment
3956	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Accessibility of recycling locations is a major barrier
3957	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Where to take items not picked up by regular recycling collection.
3958	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Making it so labels weren't so hard to get off
3959	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	More items accepted for home collection, like electronics, lights, soft plastics pick up scheduled once every 3 months and an app to notify
3960	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	A help page where I put in what I am doing like painting an apartment or house to list items I am likely to use and where to take the waste or what can be re used or not afterwards
3961	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Some materials aren't longer accepted at our local recycling centre and where we have to take them is quite far away and I would need a car to get it there.
3962	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	More readily available information
3963	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Bulk items "pick up day" once or twice a year; charities offering to pick up bulk items (like furniture) for free.
3964	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Knowing that all materials collected are recycled and not just collected.
3965	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Knowing that there is a government program from collecting to deliver to appropriate manifactures for recycle, at the opposite to putting them in the hands of privates that deliver for recycle only if convenient for them, if they have a profit, other way they dump the collected materials in landfills, or worst in the environment in third world countries (we pollute land and water there).
3966	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	That companies doing that and polluting other countries be persecuted for pollution here in canada. To be sure that what is produced and sold here is destined to be recycled (do no put not recyclable items on the market), it is really recycled and doesn't go to pollute other countries.
3967	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	To produce less items, as now the over-aboundance is due to the wish of making profit of industries (private greadiness), not to a real need of the population (we have about everything).
3968	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	To educate people to use less and buy less.
3969	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	To introduce regulations that limit the over-abbondance of items on the market (the consumerism in the west world is awful).
3970	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Also: to introduce regulations and implement them, that stores selling recyclable containers and materials have the responsability to collect them back from the consumers, and have the responsibility to put them on the correct path to recycling.
3971	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	That contaiers and materials collected from those stores are effectively recycled (government involved, not greedy private that dump them whenever).
3972	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	That canada funds recycle plants for plastic, paper, styrofoam, etc., and recycle/reporpose/repair plants for electronics discarded here in canada. No pollution exported to other countries.
3973	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	I hope each item has recyclable symbol, there are but not every. For example, I'd like to recycle as many as but I don't know if a paper sticker is recyclable, how about stickers on fruits? There is a website about recycling items but it's very complicated. It is categorized, I click battery, I have to choose and click again, again. I had to be knowledgable to recycle.
3974	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Larger bins at home to collect recyclables
3975	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	A reduced variety of consumer packaging to simplify recycling. Make the manufacturers more responsible for waste.
3976	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Just make it mandatory
3977	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	More easy access recycling facilities
3978	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Get money
3979	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	The material actually being recycled and not thrown in some landfill in Indonesia
3980	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Different recycling pick ups
3981	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier for you to recycle more materials?	Accessibility of recycling locations is a major barrier
3982	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Organics program - no green waste disposal at Murrayville House
3983	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	A big trash can
3984	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Compost (Usually never waste food)

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Engagement Question/Discussion Topic	Feedback/Comment
3985	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	A compost bin
3986	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	More frequent waste ... (illegible: taken?)
3987	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Know what can I make with it
3988	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Small recycling station
3989	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Put them in special trash can
3990	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	More places to dispose stuff
3991	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Put a bigger recycling bins in a fixed position
3992	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	More bins
3993	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Required compost routes everywhere
3994	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Easier instructions
3995	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	We are already good with food waste
3996	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	More often trash pick up
3997	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Use different colour bag to differentiate that kind of food waste
3998	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	A tube? Collect together
3999	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Clear guidelines on how to recycle
4000	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	If they make an easier pathway to get rid of waste
4001	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Having the garbage truck come more often for food waste
4002	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	More proper place to keep bins (townhomes) not just garages
4003	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Not an issue currently
4004	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	The food waste collection is awful in my complex and in many others. There is a collection bin and that is ok, but people are not educated to select food scraps, and about what can go in the food collection. There is a lot of plastic, food is been dumped in plastic bags, plastic containers, take out not biodegradable containers. I also see lots of people dumping food scraps and everything in the garbage. There is no education from the city of Surrey, nor from MetroVan about what to put/not to put in food collection, and in the recycle collection. There is a small poster down the stairs about recycling and that's it. For what I know putting in the recycle and in the food scrap bin has become mandatory, but no one cares about educating residents. I'm very upset because I collect all recyclables, including plastic wraps (very invasive in our lives now - even food that could be sold without has plastic wrapping), glass and the little styrofoam I get, which I deliver to the depot.
4005	6-Oct-25	Workshop Notes	Member jurisdiction staff	Local government		Metro Vancouver could create that service, and member jurisdictions could pay into it if they wanted to use it, but the digital tool would need to cover all purposes that members need it for, so they don’t need to purchase another tool as well.
4006	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Glass should be collected in a bin with residential collection too. It's not collected in Surrey and it has to be brought to the depot. Many put it in the recycle.
4007	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	In every building we need capillar education, mandatory for every unit. Attached to it we need a container to collect food scraps in every apartment.
4008	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Selling styrofoam should be prohibited. Everything that is not recyclable or is not efectively recycled should be prohibited in stores and in packaging.
4009	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Fake compostables (from "compostable" plastic bags to compostable food containers containing plastic) should be prohibited, they contain plastic and you transfer plastic to the environment and to food if you compost them. Also the composition of coffee cups is unclear. Everything containing plastic mixed with paper and additives should go to the landfill, and should be clearly written on the items. Substitute them with reusable items.

Solid Waste Management Plan - Options Analysis Feedback log

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Engagement Question/Discussion Topic	Feedback/Comment
4010	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Only biodegradable items are compostable. Plastic is not biodegradable and when fragments in composters it goes to add to the microplastic in the environment. Plastic "compostable" bags in stores should not be labelled as compostable, we need some regulation and to apply such a regulation. They fragment and produce microplastic. Those companies have been allowed to trick and misinform consumers.
4011	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Building owners and managers should be educated and should be held responsible for recycling. Big companies owning buildings should be taken accountable and should be pushed to recycle and to inform residents.
4012	Sep & Oct 2025	Digital and Paper Survey - Open end responses	Langley Environmental Partners Society	Public members-at-large	What would make it easier to recycle food waste in your building?	Who is responsible for the education of renters and owners in buildings or townhouses? Is it the municipality, is it MetroVancouver, is it the building owner? That should be clear and should do it work. Who is accountable for the missing education? I'm really curious and I can be contacted with answers by Mero Vancouver at my email.
4013	Sept 23 to Oct 22, 2025	Online Survey - Open end responses	Recycling Council of BC	RCBC members	Observations & Recommendations:	Engagement in this process was lower compared to the 2024 survey on Idea Generation. As a result, respondents represented a narrower range of age groups, municipalities, and organization types in the case of the RCBC Member survey. Last year, it was noted that in the public survey 100% of respondents selected English as the primary language spoken at home. This is contrasted by this survey which saw ⅔ of respondents indicate Spanish as their primary language. This suggests that this public survey may have reached a different audience than has been engaged in previous surveys.
4014	Sept 23 to Oct 22, 2025	Online Survey - Open end responses	Recycling Council of BC	RCBC members	Summary	This survey aimed to solicit feedback both from RCBC Members in the Business/Industry and Non-Profit sectors and from members of the public who interact with RCBC Information Services. Overall, there is a high degree of interest in actions like participating in repair cafes and learning to repair, and a high likelihood of trying activities like mindful consumption and choosing reusable options. The two audiences expressed differing preferences in terms of how they would like to receive information about recycling, reuse, and repair programs. RCBC Members showed a preference for short online learning sessions or videos, while the public survey respondents preferred social media and Posters or signs in public spaces and buildings.
4015	Sep 6 to Oct 20, 2025	Online and in-person survey responses - Open end responses	Surrey & White Rock Board of Trade	Public members-at-large	What would make it easier for you to recycle more materials?	Have a place where people can have a job to rinse items and remove labels
4016	Sep 6 to Oct 20, 2025	Online and in-person survey responses - Open end responses	Surrey & White Rock Board of Trade	Public members-at-large	What would make it easier for you to recycle more materials?	Public policy should stop businesses from unnecessary packaging - food items wrapped in plastic, reward recycling when you stop using plastic bags for groceries, encourage school sales for old cycles, jackets, books etc. Small grocery shops in your neighborhood so we buy less and only what we need instead of stocking up in large fridges.
4017	Sep 6 to Oct 20, 2025	Online and in-person survey responses - Open end responses	Surrey & White Rock Board of Trade	Public members-at-large	What would make it easier to recycle food in your building?	Recycling bin
4018	Sep 6 to Oct 20, 2025	Online and in-person survey responses - Open end responses	Surrey & White Rock Board of Trade	Public members-at-large	What would make it easier to recycle food in your building?	I hope there is a public recycle cans for food around instead of each per family.
4019	Sep 6 to Oct 20, 2025	Online and in-person survey responses - Open end responses	Surrey & White Rock Board of Trade	Public members-at-large	What would make it easier to recycle food in your building?	Plan your week accordingly to avoid wastage and spoilage
4020	Sep 6 to Oct 20, 2025	Online and in-person survey responses - Open end responses	Surrey & White Rock Board of Trade	Public members-at-large	What would make it easier to recycle food in your building?	More education
4021	Sep 6 to Oct 20, 2025	Online and in-person survey responses - Open end responses	Surrey & White Rock Board of Trade	Public members-at-large	What would make it easier to recycle food in your building?	We already have a compost bin however people continue to put items in the bin in 'compostable' plastic bags. Ongoing awareness of how to recycle may help. It baffles me that people still don't know how to sort despite recycling being introduced decades ago.

Metro Vancouver's responses to key feedback themes identified during Options Analysis engagement are provided in the Options Analysis Engagement Summary Report. Strategy and action options presented during the Options Analysis phase were developed through compiling and assessing ideas from the previous phase of engagement. Ideas were either incorporated into strategy/action options, incorporated into other plan sections such as the strategic approaches, or included in a list of ideas staff considered unadvisable due to inconsistencies with Board direction or the plan's goals, hierarchy, or vision and guiding principles. Metro Vancouver considered feedback received during options analysis and incorporated changes to the proposed strategy and action options. Feedback from the Options Analysis phase helped shaped an initial version of the draft Solid Waste Management Plan.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

To: Zero Waste Committee

From: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

Date: March 23, 2026 Meeting Date: April 2, 2026

Subject: **Solid Waste Management Plan Update – Targets, Metrics, and Initial Draft Plan Engagement Summary**

RECOMMENDATION

THAT the GVS&DD Board receive for information the report dated March 23, 2026, titled "Solid Waste Management Plan Update – Targets, Metrics, and Initial Draft Plan Engagement Summary".

EXECUTIVE SUMMARY

Metro Vancouver is updating its solid waste management plan, building on its success as a North American leader in waste reduction and recycling. The plan update is supported by a robust and inclusive engagement process. The Zero Waste Committee and GVS&DD Board received updates across all phases of the solid waste management plan update, and the GVS&DD Board previously approved components of the draft plan.

In late 2025, Metro Vancouver received feedback on draft targets and metrics from member jurisdiction staff and advisory committees. In early 2026, Metro Vancouver published an initial draft of the solid waste management plan and invited feedback from First Nations, member jurisdiction staff, neighbouring regional districts, advisory committees, extended producer responsibility organizations, not-for-profit organizations, and over 900 contacts who subscribed to updates on the solid waste management plan update.

In addition to feedback gathered through meetings, Metro Vancouver received 45 written submissions expressing varied degrees of support for the plan and identifying areas for strengthening or requests for revision. Engagement generated a wide range of input on topics including accessibility, reuse and repair, timeframe of targets, financial considerations, regulatory tools, and residual waste. Considering this feedback, Metro Vancouver revised the draft plan and is now providing it to the Zero Waste Committee for consideration prior to a public comment period and submission to the Ministry of Environment and Parks.

PURPOSE

The purpose of this report is to provide the Zero Waste Committee and GVS&DD Board with information on engagement feedback related to the initial draft solid waste management plan, including draft targets, metrics, strategies/actions, and other components.

BACKGROUND

In November of 2019 the GVS&DD Board authorized initiating an update of the regional solid waste management plan. Subsequently, a Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) was formed to provide third-party expert advice on the development and implementation of a comprehensive and inclusive engagement process. Pre-engagement was completed in 2021 to receive feedback on how audiences prefer to be involved, and the Solid Waste Management Plan Public/Technical Advisory Committee and the Solid Waste and Recycling Industry Advisory Committee were formed in 2022.

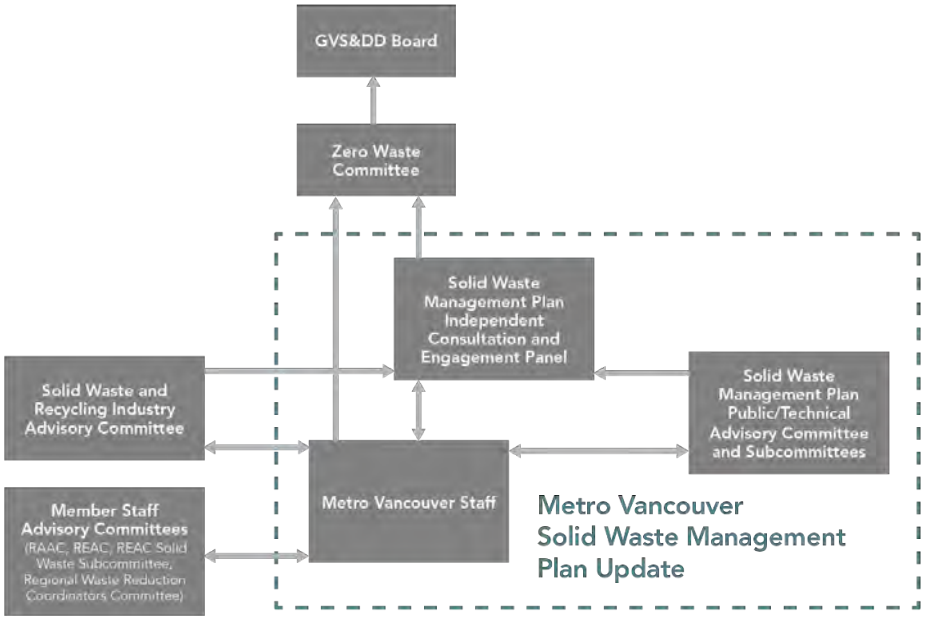
The Zero Waste Committee and GVS&DD Board have received updates across the different phases of the solid waste management plan update, including GVS&DD Board approval of components of the updated plan. In June 2024, the GVS&DD Board approved the vision and guiding principles, and in July 2025, the GVS&DD Board approved the goals and waste hierarchy.

At its February 2026 meeting, the Zero Waste Committee received an overview of the initial draft solid waste management plan, which had been published and distributed to First Nations, member jurisdictions, neighbouring regional districts, advisory committees, and others for feedback. This report provides a summary of engagement feedback on targets, metrics, and the initial draft plan, which helped to inform a revised draft Solid Waste Management Plan that is being provided to the Zero Waste Committee and GVS&DD Board. It is anticipated that following review by the GVS&DD Board, the revised draft will be distributed for additional public feedback prior to submission to the Ministry of Environment and Parks for approval.

The following timeline shows the phases of the solid waste management plan update.



The following graphic depicts the various committees that have been involved in providing input to the plan update process over the past five years.



TARGETS, METRICS, AND INITIAL DRAFT PLAN ENGAGEMENT

The engagement summary report for this phase (Reference 1) describes engagement feedback received on the initial draft plan in early 2026, as well as feedback on the draft targets and metrics in late 2025. A full record of comments received and Metro Vancouver responses is included as Reference 2.

Targets and Metrics Engagement

In late 2025, Metro Vancouver presented draft targets and metrics to advisory committees, including the Reginal Engineers Advisory Committee Solid Waste Sub-Committee, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee.

Initial Draft Plan Engagement

An initial draft plan was developed while considering research and engagement in previous phases. Through the Options Analysis phase in 2025, Metro Vancouver received feedback on a set of potential strategies and actions, which helped to determine which strategies and actions to prioritize and include in the initial draft plan.

On January 22, 2026, Metro Vancouver published the initial draft solid waste management plan on its website. Emails were sent to the following groups, inviting feedback on the initial draft plan:

- First Nations in the Metro Vancouver region
- Member jurisdiction staff
- Neighbouring regional districts
- Solid Waste Management Plan Public/Technical Advisory Committee
- Solid Waste and Recycling Industry Advisory Committee
- Extended Producer Responsibility Organizations
- Ministry of Environment and Parks staff
- Not-for-profit organizations previously participating in the Collaborative Engagement program
- A contact list of over 900 contacts who had subscribed to receive updates on Metro Vancouver solid waste projects, including the solid waste management plan update

Metro Vancouver received 30 written submissions from the public with feedback on the initial draft plan (Reference 3). In addition, Metro Vancouver held dedicated feedback sessions with member jurisdiction staff, the Solid Waste Management Plan Public/Technical advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee. Feedback summaries from these three advisory committee sessions are included as References 4-6. Fifteen Solid Waste Management Plan Technical/Advisory Committee members also submitted brief written statements outlining feedback on the initial draft plan (Reference 5).

Public Engagement Feedback

The following summarizes key feedback on targets, metrics, and the initial draft plan. This feedback was gathered through engagement with the member jurisdiction staff, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee, as well as through written submissions from adjacent regional districts, industry associations, not-for-profit organizations, and the public. The engagement summary report (Reference 1) provides further detail on the engagement process, feedback received, and Metro Vancouver's responses. A complete record of feedback and Metro Vancouver responses is included as Reference 2.

Key engagement feedback on targets, metrics, and initial draft solid waste management plan:

- **Accessibility and inclusion**: Respondents highlighted the importance of accessibility and inclusion, noting barriers faced by residents in multi-family housing, those without vehicles, and individuals with mobility or time constraints. Participants urged the plan to include defined actions to ensure equitable access to waste reduction and recycling services.
- **Action-oriented**: Feedback emphasized the need for stronger, more action-oriented language throughout the plan, including clearer definitions of key terms and more concrete commitments. Participants noted that aspirational wording and vague terminology reduced clarity and accountability, and recommended explicitly stating intended actions, timelines, and responsibilities to better support implementation.
- **Ambitious, prevention-focused**: Support for a more ambitious, transparent, and prevention-focused approach to waste management. Participants emphasized the need for clearly defined targets, robust regulation, with some suggesting stronger alignment with the zero waste hierarchy and circular economy principles. Some felt that the targets are too ambitious and are unrealistic.
- **Construction and demolition**: The construction and demolition sector was identified as both a major waste source and a significant opportunity for diversion through mandatory source separation, deconstruction over demolition, improved tracking, reuse hubs, and greater transparency around end markets.
- **Financial considerations**: Feedback emphasized the importance of clear financial transparency, including lifecycle costs of disposal facilities, cost-per-tonne comparisons across management options, and clearer investment in prevention-focused initiatives. Some participants expressed concern that current budgets appear weighted toward disposal rather than upstream solutions.
- **Privatization**: There was interest in a stronger role for private industry, including privatization of the system being one suggestion, particularly in driving innovation and service delivery. Some participants were against system privatization.
- **Regulatory tools and enforcement**: Feedback called for stronger regulatory tools and enforcement, noting that education alone is not sufficient to drive meaningful waste reduction. Suggested measures included mandatory source separation, standardized inspections, clear enforcement protocols, and consistent regulatory approaches across jurisdictions. Some felt that more regulation would be a barrier to innovation and private industry participation.
- **Residual waste**: Long-term residuals management and disposal planning emerged as a key issue, with questions about Vancouver Landfill capacity, environmental impacts, and contingency planning. Participants requested clearer accounting of residual waste, opposition to counting recovery of materials such as waste wood used as alternative fuel as recycling, and transparency around emissions, leachate, and hazardous materials management.
- **Reuse and repair**: Participants supported prioritizing upstream actions, particularly waste reduction/prevention, reuse, and repair. There was enthusiasm for regional reuse hubs, repair programs, deconstruction and salvage initiatives, and for tracking reuse separately from recycling. Food waste was identified as a major opportunity, with calls for stronger reduction targets, clearer definitions of preventable food waste, and enhanced support for food recovery organizations.
- **Shorter term targets**: The plan should include clear, measurable 5- and 10-year targets, with sector-specific goals and transparent reporting of per-capita and total waste generation. Participants stressed that consistent definitions, published assumptions, and accessible public reporting are essential to maintaining credibility and accountability.

- **Waste-to-energy**: Concern was expressed regarding continued reliance on the Waste-to-Energy Facility, with some participants advocating for phasing out or limiting its role, including the Fraser Valley Regional District. Incineration was widely viewed as disposal rather than diversion, and participants requested greater transparency around emissions, health impacts, facility lifespan, and financial costs.

Metro Vancouver Response to Feedback and Draft Plan Revisions
Metro Vancouver reviewed all feedback received during the engagement period, which closed on February 20, 2026. Staff compiled a comprehensive feedback log capturing comments from member jurisdictions, advisory committees, industry, adjacent regional districts, non-profit organizations, and the public. Feedback helped identify areas where the initial draft plan required clarification, strengthening, or modification to better reflect shared priorities and implementation realities.

The revised draft Solid Waste Management Plan incorporates this feedback through a series of changes that improve clarity, accountability, and alignment with waste reduction and circular economy principles.

First Nations Engagement
Metro Vancouver sent the initial draft plan via email to 10 First Nations with communities currently located within the region and 18 additional First Nations with interests within the region, to invite feedback. Metro Vancouver received written feedback from one First Nation. Metro Vancouver also met with a First Nation in December 2025, in between the Options Analysis and Initial Draft Plan engagement windows. Feedback included:

- Consider incorporating additional secondary metrics related to circular design standards, reuse service access and activity, sector-specific material generation, and greenhouse gas emissions avoided through circular action.
- Implement further studies to understand if clear bins and bags improve the effectiveness of disposal bans
- Work collaboratively with First Nations through shared governance, respecting First Nations governance structures, laws, protocols and including Traditional Knowledge in the plan implementation
- Ensure transparency and accountability in actions related to First Nations engagement
- Committing to support long-term environmental protection by considering cumulative environmental impacts across the region
- Address environmental effects within First Nations territories
- Ensure the plan supports meeting federal targets of single-use item reduction including defining types of plastics and methods for measuring plastics in waste streams
- Investigate using artificial intelligence for waste sorting and monitoring

Metro Vancouver has considered this feedback in drafting the revised Solid Waste Management Plan by including several actions that commit to exploring additional transparent data collection from sectors and consider environmental and economic benefits (Actions 1.4.1, 1.4.2, 1.4.3, and 1.4.7), pursuing options to explore disposal ban efficacy by exploring artificial intelligence and policies involving clear bags (Action 4.8.1), and including a commitment to environmental stewardship and climate action in the guiding principles which will guide every aspect of the plan update for the next decade. The revised draft plan also establishes a per capita reduction target of 10% by 2036 which will help reduce single-use plastics entering the environment or sent for disposal. First Nations feedback received during the plan update process has been valuable in contributing to the draft plan.

ALTERNATIVES
This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS
Engagement activities related to the solid waste management plan update is included in the approved Solid Waste Services budget.

OTHER IMPLICATIONS
The revised draft Solid Waste Management Plan includes specific member jurisdiction actions, which have been reviewed by member jurisdiction staff and revised to incorporate feedback. The member jurisdiction actions are intended as potential areas of focus for members to consider – they are not requirements.

CONCLUSION
Metro Vancouver's process to update its solid waste management plan is supported by a robust and inclusive engagement process. In late 2025 and early 2026, Metro Vancouver received engagement feedback on draft targets and metrics, and an initial draft solid waste management plan.

The engagement summary report (Reference 1) highlights feedback received on targets, metrics, and the initial draft plan. The feedback log (Reference 2) describes Metro Vancouver's response to feedback, including revisions made to the draft plan, or providing an explanation if a suggestion could not be incorporated. A revised draft Solid Waste Management Plan is being provided to the Zero Waste Committee and GVS&DD Board for consideration. It is anticipated that following GVS&DD Board review, the draft Solid Waste Management Plan will be distributed for additional comment before submission to the Ministry of Environment and Parks.

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1. Metro Vancouver. (2026). Solid Waste Management Plan Update – Targets, Metrics and Initial Draft Plan Engagement Summary Report. https://metrovancouver.org/services/solid-waste/Documents/swmpu-targets-metrics-initial-draft-plan-engagement-summary.pdf
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5. Metro Vancouver. (2026). Feedback summary from Solid Waste Management Plan Public/Technical Advisory Committee feedback session on initial draft plan, and member written submissions. https://metrovancouver.org/services/solid-waste/Documents/swmp-public-technical-advisory-committee-feedback-summary.pdf
6. Metro Vancouver. (2026). Feedback summary from Solid Waste and Recycling Industry Advisory Committee feedback session on initial draft plan. https://metrovancouver.org/services/solid-waste/Documents/solid-waste-recycling-industry-advisory-committee-feedback-summary.pdf

metrovancouver | SOLID WASTE

Solid Waste Management Plan Update

Targets, Metrics, and Initial Draft Plan

Engagement Summary Report



Acknowledgements

Thank you to everyone who provided feedback on draft targets, metrics, and the initial draft solid waste management plan. Metro Vancouver embraces collaboration and innovation to identify and plan for sustainable regional services, contributing to a livable and resilient region, and a healthy natural environment for current and future generations.

Feedback from all phases of engagement, including the feedback received on the initial draft plan, was considered in developing the revised draft Solid Waste Management Plan. We appreciate your time as well as the insights and feedback you shared with us during this phase.

About Metro Vancouver

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is made up of four separate legal entities, each governed by its own Board of Directors. Board directors are elected officials from member jurisdictions.

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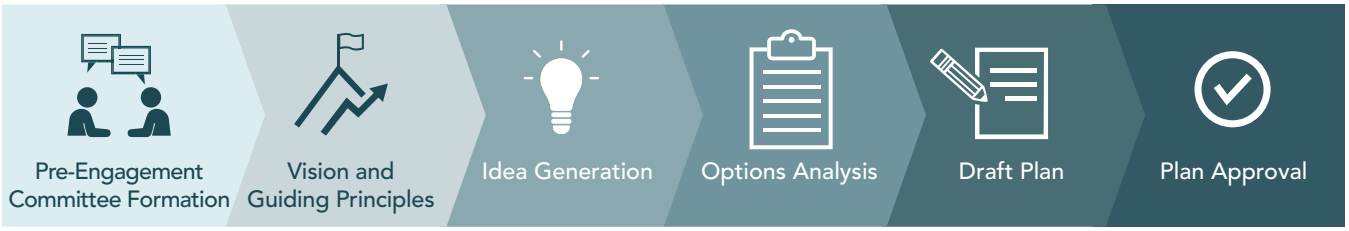
1. About the Solid Waste Management Plan Update

Metro Vancouver is responsible for planning for waste prevention, reduction, reuse, and recycling, and operating a series of solid waste facilities across the region. This work is guided by a commitment to environmental stewardship, and affordable and accessible waste management services.

Metro Vancouver is updating its solid waste management plan, building on the strengths of the *Integrated Solid Waste and Resource Management Plan* (2011), to continue progressing towards a thriving region where nothing is wasted, and resources are valued. Metro Vancouver has actively engaged with First Nations, member jurisdictions, neighbouring regional districts, waste and recycling industry, waste producers, businesses, communities, and Metro Vancouver residents to develop the draft plan. The plan update was a multi-year process, with the final phase – draft plan – ongoing.



This engagement summary report covers engagement feedback received in the time following the options analysis phase – specifically, engagement on draft targets and metrics in November and December 2025, and engagement on an initial draft solid waste management plan from January 22 to February 20, 2026. The initial draft was developed by evaluating strategies and actions informed by ideas generated during earlier phases of engagement.

Feedback received on the initial draft informed revisions that were incorporated into a revised draft Solid Waste Management Plan, which will be provided to the Zero Waste Committee and GVS&DD Board. The revised plan would then be circulated for an additional public review and comment period before being submitted — along with all engagement feedback gathered throughout the update process — to the Minister of Environment and Parks for review and approval.

This report provides a summary of what was learned through engagement on draft targets, metrics, and the initial draft solid waste management plan.

2. Executive Summary

This report details engagement on draft targets, metrics and an initial draft solid waste management plan, which will be referred to in this report as the 'Draft Plan phase'. This phase focused on receiving feedback from First Nations, member jurisdictions, advisory committees, neighbouring regional districts, and other interested parties on the draft solid waste management plan.

The *Draft Plan* phase is the culmination of all previous phases which focused on listening to and learning from feedback on vision and guiding principles, ideas and potential actions for solid waste management plan, and options analysis. The potential actions and strategies identified through idea generation were reviewed through options analysis by applying decision-making criteria grounded in the updated plan's vision and guiding principles, as well as considering engagement feedback.

Metro Vancouver's process for developing the updated solid waste management plan was based on provincial guidelines and considers engagement input and feedback received during all phases of engagement. The draft plan engagement process began in November 2025 by engaging member jurisdictions, and advisory committees on potential targets and metrics for the draft plan. Metro Vancouver then published an initial draft plan on its website on January 22, 2026 and invited comments on the initial draft plan from First Nations, member jurisdiction staff, adjacent regional district staff, the Solid Waste Management Plan Public/Technical Advisory Committee, the Solid Waste and Recycling Industry Advisory Committee, and others. Metro Vancouver also held dedicated feedback sessions on the initial draft with member jurisdiction staff, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee.

Feedback on the initial draft was then considered in developing a revised draft updated Solid Waste Management Plan.



Feedback from Initial Draft Solid Waste Management Plan Engagement – January 22 to February 20, 2026

Summarized below are the themes that emerged based on feedback received through engagement meetings, letters, and emails for the initial draft solid waste management plan.

- **Accessibility and Inclusion**

  Potential gaps in equitable access to waste services, particularly for people without cars, those living in multi family buildings, and individuals with mobility or time limitations. Participants suggested the plan address these barriers with defined actions to encourage full and inclusive participation in waste reduction and recycling programs.

- **Clear and Accessible Definitions**

  Precise and consistent definitions for terms such as recycling, diversion, recovery, zero waste, circular economy, and carbon neutrality. Clear definitions help support transparency. Comment that "recovery" should not be counted as diversion. Support for a simple, consistent glossary that clearly explains these key terms

- **Action-oriented**

  Need for clearly defined and ambitious targets that include 5- and 10-year milestones as well as sector specific goals for residential, institutional/commercial and industrial, and construction and demolition waste streams. Participants emphasized the importance of reporting both per capita and total tonnage, along with publishing all calculations, formulas, and assumptions in a consistent and transparent manner.

- **Construction and Demolition Materials**

  The construction and demolition sector is seen as both a large source of waste and a significant opportunity for action. Feedback recommended consistent regional deconstruction practices, better tracking of material flows, reuse hubs for salvaged materials, and clearer rules for handling concrete, wood, and drywall. Participants also called for separate tracking of construction and demolition waste data, mandatory source separation, support for deconstruction over demolition, and transparency regarding end markets.

- **Financial Overview and Affordability**

  Request for more transparency in the financial aspects of the plan, including lifecycle costs of the Waste to Energy Facility, cost per tonne comparisons across disposal and diversion methods, and budgets for prevention focused initiatives. There is concern that the current budget appears weighted toward disposal rather than upstream waste reduction.

- **Food Waste and Organics**

  Food waste was widely identified as a major opportunity to achieve environmental and community benefits. Support for stronger reduction targets, clearer definitions such as "preventable food waste", improved support for food recovery organizations, and better data on commercial and institutional food waste generation.

- **Member Jurisdiction Roles and Collaboration**

  Municipalities requested clearer, easy to find summaries of their roles within the plan, along with standardized tools and shared resources. Collaboration is considered essential, especially in areas such as multifamily recycling, public space recycling, and construction and demolition waste reduction actions.

- **Prioritize Reuse and Repair**

  Defined commitment to reuse and repair, including investments in regional reuse hubs, repair cafés, reuse days, and deconstruction/salvage programs. Participants want reuse tracked separately from recycling, along with greater effort to expand opportunities to repurpose materials and strengthen support for building material recovery.

- **Regulatory Tools and Enforcement**

  Call for strong regulatory action to support waste reduction, including mandatory source separation, inspectable or clear bags, load inspections, standardized enforcement protocols, and consistent fines for waste generators. Many believe education alone is insufficient and must be paired with firm, visible enforcement measures.

- **Reporting and Plan Monitoring**

  Support for clear, publicly accessible reporting through accessible dashboards that include sector specific data, inspection results, and transparent distinctions between diversion and disposal. Participants also want consultant reports to be publicly released and some expressed interest in independent oversight of monitoring and reporting.

- **Residual Waste Management**

  Long term planning for residuals raised questions about landfill capacity, environmental impacts, and contingency options for disposal. Stakeholders want clearer accounting for residual waste, stressing that "recovery" should be counted as disposal rather than recycling/diversion and that all residual management practices be transparent. They also asked for clarity around landfill planning, the division of roles between landfills.

- **Role of Private Industry**

  Feedback that private industry could play a greater role, including suggestions to privatize aspects of the regional solid waste system. Participants note that private operators already manage many recycling and processing functions, and they see industry involvement as a potential driver of innovation within the broader waste system.

- **Waste-to-Energy (Incineration)**

  Concern about continued reliance on the Waste to Energy Facility, with some support for the facility to be phased out or closed and cautioning against projects that would require new incineration capacity. There is also a desire for increased transparency around emissions, operational lifespan, and financial implications. Participants highlighted potential health and environmental risks and stressed that incineration waste should be categorized strictly as disposal, not diversion.

- **Zero Waste and Circular Economy**

  Comments supporting aligning the plan with Zero Waste principles, including adopting the Zero Waste hierarchy. Requests to further emphasize upstream reduction and avoid positioning disposal as a major pillar of the system. There is support for opportunities to redesign systems for waste prevention, support circular businesses, and encourage repair, sharing, and long lasting products, with enthusiasm for regional leadership in this space.

First Nations Engagement

Metro Vancouver operates on the shared territories of many Indigenous peoples, including 10 First Nations with communities currently located within the Metro Vancouver region ("local First Nations"): q̓íc̓əy̓ (Katzie), q̓ʷɑːn̓ƛ̓ən̓ (Kwantlen), kʷikʷəƛ̓əm (Kwikwetlem), máthxwi (Matsqui), xʷməθkʷəy̓əm (Musqueam), qiqéyt (Qayqayt), Semiahmoo, Sḵwx̱wú7mesh Úxwumixw (Squamish), scəẇaθən məsteyəxʷ (Tsawwassen), and səlilwətaɬ (Tsleil-Waututh). The solid waste management plan update presents an opportunity for Metro Vancouver to reaffirm its commitment to strengthening respectful relationships with First Nations. Metro Vancouver strives to ensure that its engagement with First Nations is meaningful, respectful, and takes place early, often and in an ongoing manner.

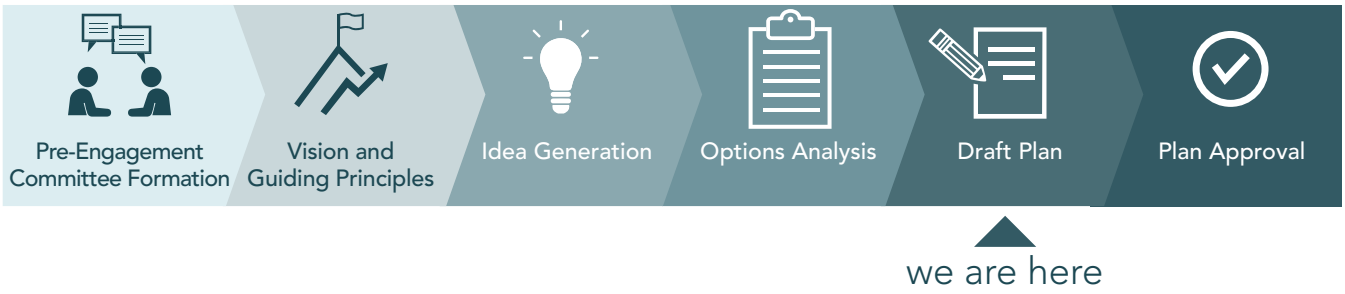
Metro Vancouver sent the initial draft plan via email to 10 First Nations with communities currently located within the region and 18 additional First Nations with interests within the region, to invite feedback. Metro Vancouver received written feedback from one First Nation. Metro Vancouver also met with a First Nation in December 2025, in between the Options Analysis and Initial Draft Plan engagement windows. Feedback included:

- Consider incorporating additional secondary metrics related to circular design standards, reuse service access and activity, sector-specific material generation, and greenhouse gas emissions avoided through circular action
- Implement further studies to support clear bins and bags
- Work collaboratively with First Nations through shared governance, respecting First Nations governance structures, laws, protocols and including Traditional Knowledge in the plan implementation
- Ensure transparency and accountability in actions related to First Nations engagement
- Address environmental effects, including cumulative effects and long-term environmental protection, within traditional territories
- Ensure the plan supports meeting federal targets of single-use item reduction including defining types of plastics and methods for measuring plastics in waste streams
- Investigate using artificial intelligence for waste sorting and monitoring

Metro Vancouver has considered this feedback in the revised draft solid waste management plan by including several actions that commit to exploring additional transparent data collection from sectors and consider environmental and economic benefits (Actions 1.4.1, 1.4.2, 1.4.3, and 1.4.7), pursuing options to explore disposal ban efficacy by exploring artificial intelligence and policies involving clear bags (Action 4.8.1), and including a commitment to environmental stewardship and climate action in the guiding principles which will guide every aspect of the plan update for the next decade. Metro Vancouver also aims to reduce waste generation per capita by 10% by 2036 which will help reduce single-use plastics entering the environment or sent for disposal. First Nations feedback received during the plan update process has been valuable in contributing to the draft plan.

3. About the Engagement Process

Metro Vancouver engaged member jurisdictions, neighbouring regional districts, advisory committees and other interested parties to receive feedback and create opportunities for feedback for the initial draft solid waste management plan.



Engagement objectives included:

- Receive feedback from member jurisdiction staff and advisory committees on potential primary targets and metrics, and secondary metrics, to measure updated plan progress.
- Receive feedback from First Nations, member jurisdiction staff, neighbouring regional districts, advisory committees, and others on the initial draft of the updated solid waste management plan.

Metro Vancouver shared information about:

- The engagement process, including how feedback from previous phases helped to develop the initial draft plan.
- How interested parties could engage in this phase of the process, and where to learn more about how to participate.
- Intended objectives of the phase and how feedback received will be used to develop the revised draft Solid Waste Management Plan.

The table below provides a summary of engagement activities including intended audience(s).

AUDIENCE	ENGAGEMENT METHOD/DESCRIPTION
Member jurisdictions	Metro Vancouver engaged with Regional Engineers Advisory Committee Solid Waste Subcommittee members to receive feedback on draft targets and metrics in late 2025. In addition, Metro Vancouver engaged member jurisdiction staff on the initial draft solid waste management plan in early 2026: • **Regional Administrators Advisory Committee (RAAC)** – provided project information, including status and timeline, at the regular March 2026 committee meeting, including Q&A. • **Regional Engineers Advisory Committee (REAC)** – shared project presentation during regular January 2026 REAC meeting, and invitation to a member staff feedback session on the initial draft plan. • **Regional Engineers Advisory Committee Solid Waste Sub-Committee and the Regional Waste Reduction Coordinators Committee** – project information shared, feedback opportunities at regular committee meetings, and invitation to a member staff feedback session on the initial draft plan. • Member jurisdiction feedback session on initial draft plan with multiple member staff advisory committees invited.
Neighbouring regional districts	Metro Vancouver sent the initial draft plan to staff of neighbouring regional districts in early 2026, to invite feedback and describe the process and next steps. Regional districts contacted included Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District.
Solid Waste and Recycling Industry Advisory Committee	Metro Vancouver staff shared project information and received feedback and insights on draft targets and metrics in late 2025 and received feedback on the initial draft plan through a dedicated feedback session in early 2026.
Solid Waste Management Plan Public/Technical Advisory Committee	Metro Vancouver staff shared project information and received feedback and insights on draft targets and metrics in late 2025 and received feedback on the initial draft plan through a dedicated feedback session in early 2026.
Public	The initial draft plan was also sent to: • Not-for-profit organizations that participated in the Collaborative Engagement program in previous phases of the solid waste management plan update • Extended producer responsibility organizations • A subscriber database of over 900 contacts who have expressed interest in receiving updates on the solid waste management plan update

4. Engagement Promotion

In late 2025, Metro Vancouver worked directly with the Regional Engineers Advisory Committee Solid Waste Sub-Committee, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee, to receive feedback on draft targets and metrics.

In early 2026, information on how to participate in the engagement process on the initial draft plan was shared with the public and interested parties via various channels, as described below.

Website

The dedicated project webpage for the solid waste management plan update was updated with a copy of the initial draft plan and information about the draft plan engagement phase process and timeline. There were 765 views of the solid waste management plan update webpage during the draft plan phase.

E-blasts

Engagement opportunities were promoted via email to 928 recipients who are subscribed to receive notifications on Metro Vancouver solid waste management plan update.

Direct Emails

Metro Vancouver also notified the following groups when the initial draft solid waste management plan was available on the website:

- Regional Waste Reduction Coordinators' Committee
- Staff at Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District
- Solid Waste Management Plan Public/Technical Advisory Committee
- Solid Waste and Recycling Industry Advisory Committee
- Collaborative engagement organizations that participated in previous phases.
- Extended producer responsibility organizations
- Provincial staff
- Sector representatives including food and beverage, multi-family housing, textiles, and healthcare

5. Engagement Participation

The table below summarizes engagement participation during the draft plan phase.

AUDIENCES	ENGAGEMENT OFFERED
Metro Vancouver Committees	
Zero Waste Committee	• January 2026 Manager's report item to Zero Waste Committee describing next steps including engagement on an initial draft plan. • February 2025 report and presentation to Zero Waste Committee on the initial draft plan
Member Jurisdictions	**Engagement / Communications Considerations**
Member Jurisdictions	• Shared initial draft with staff and discuss through existing staff advisory committees such as REAC, REAC Solid Waste Subcommittee, and Regional Waste Reduction Coordinators' Committee • Dedicated feedback session on February 9, 2026, with 20 participants
Regional Administrators Advisory Committee (RAAC)	• Attended regular meeting to provide project information and update on initial draft solid waste management plan
Regional Engineers Advisory Committee (REAC)	• Presented draft municipal actions, targets, and metrics at January REAC meeting • Invitation to member jurisdiction feedback session on initial draft plan
REAC Solid Waste Sub-Committee and Regional Waste Reduction Coordinators' Committee	• Presented draft targets and metrics for feedback in late 2025 at scheduled committee meetings • Shared initial draft plan • Invitation to member jurisdiction feedback session on initial draft plan
Other Governments	
Neighbouring regional districts	• Shared initial draft plan via email with staff at Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District • Fraser Valley Regional District submitted a written response with feedback on the initial draft plan and invited Metro Vancouver to present at a future Fraser Valley Regional District Board meeting.

AUDIENCES	ENGAGEMENT OFFERED
Other Governments	
Ministry of Environment and Parks	• Provided updates at regular quarterly meetings • Provided copy of initial draft plan • Provincial staff always invited to observe Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee meetings
Metro Vancouver Advisory Committees	
Solid Waste Management Plan Public/ Technical Advisory Committee	• Draft targets and metrics for discussion at November 20, 2025 meeting • Initial draft plan walkthrough at January 29, 2026 meeting • Dedicated feedback session on all parts of the initial draft plan at February 19, 2026 meeting, with 19 committee members in attendance • Written submissions from 15 Public/Technical Advisory Committee members.
Solid Waste and Recycling Industry Advisory Committee	• Draft targets and metrics for discussion at November 4, 2025 meeting • Initial draft plan walkthrough on January 28, 2026 • Dedicated feedback session on February 10, 2026, with 16 committee members in attendance
Public	
General public	• Initial draft plan published on webpage • Directed public to initial draft plan on webpage if interested • Collaborative engagement organizations • Database of over 900 contacts who had signed up to receive notifications on the solid waste management plan update

AUDIENCES	ENGAGEMENT OFFERED
Ten First Nations with communities currently located within the region and other First Nations with interests in Metro Vancouver: separate engagement process.	
q̓icə́y̓ (Katzie First Nation) q̓ʷɑ:n̓ƛ̓ən̓ (Kwantlen First Nation) kʷikʷəƛ̓əm (Kwikwetlem First Nation) máthxwi (Matsqui First Nation) xʷməθkʷəy̓əm (Musqueam Indian Band) qiqéyt (Qayqayt First Nation) Semiahmoo First Nation Skwxwú7mesh úxwumixw (Squamish Nation) scəw̓aθən məsteyəxʷ (Tsawwassen First Nation) sə́lílwətaʔɬ (Tsleil-Waututh Nation) Stó:lō Cowichan Tribes Douglas First Nation (Xa'xtsa) Halalt First Nation Leq'á:mel First Nation Lillooet Tribal Council Lyackson First Nation Pauquachin First Nation Penelakut Tribe Peters First Nation Samahquam First Nation Skatin Nations (SkookumChuck) Snuneymuxw First Nation St'at'imc Chiefs Council Stz'uminus First Nation (Chemainus) Ts'uubaa-asatx NationTsartlip First Nation SƮÁUTW̱ (Tsawout First Nation) Tseycum First Nation	• Separate First Nations engagement process from public engagement approach • First Nations received initial draft plan and were invited to provide comment • Metro Vancouver received written feedback from one First Nation. Metro Vancouver also met with a First Nation in December 2025, in between the Options Analysis and Initial Draft Plan engagement windows

6. Engagement Feedback – What We Heard and How We Are Responding

Below is a thematic summary of what we heard during the draft plan engagement phase, including feedback on targets, metrics, and the initial draft plan. The table below also includes Metro Vancouver's response.

PLAN COMPONENT / INTEREST	WHAT WE HEARD	METRO VANCOUVER RESPONSE
Accessibility and Inclusion	Concerns about lack of planning for equitable access to services across the system to encourage everyone to participate fully. Highlighted barriers for people who: • don't have cars • live in multi-family buildings • have mobility challenges or limited time	Inclusive solid waste services and programs is a guiding principle of the solid waste management plan. Metro Vancouver will consider accessibility and inclusivity in the implementation of all actions under this plan and will take into consideration the ideas provided when developing new programs, communications, and policies. Staff considered this feedback and • strengthened accessibility language in the accessibility and inclusion and the recycling and waste centre strategic approach sections of the plan. • identified multi-family as one of the focus areas of the plan
Clear and Ambitious Targets	• The plan needs clear, ambitious, and transparent targets with 5 and 10 year milestones, sector specific goals (Residential, IC&I, C&D), and both per capita and total tonnage reporting. • Calculations and assumptions (like diversion rate formulas) published in a consistent way	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: • Added 2036 targets and a 5-year target for disposal per capita • Highlighted key focus areas that will drive progress toward the plan's targets Targets were set based on current waste composition data and are meant to be ambitious but achievable. Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency and accuracy.

PLAN COMPONENT / INTEREST	WHAT WE HEARD	METRO VANCOUVER RESPONSE
Clear, Accessible Definitions and Language	• Use precise, consistent definitions for recycling, diversion, recovery, zero waste, circularity, carbon neutrality, etc. • Confusion about these terms is seen as undermining credibility, especially when "recovery" is counted toward diversion. Comment that "recovery" should not count as diversion. • Include simple and consistent glossary explaining key terms like recycling, diversion, recovery, and "zero waste." • Commit to actions by using stronger language in the plan – use active voice to demonstrate commitment to the goals	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: • Clarified definitions of diversion and recycling • Strengthened language throughout the plan to become more actionable The draft plan's waste hierarchy prioritizes waste reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
Construction and Demolition Materials	The construction sector was identified as a major source of waste and a major opportunity for ambitious goals in the plan. Suggestions included: • more consistent deconstruction practices across the region • better tracking of construction and demolition materials flows • reuse hubs for salvaged building materials • clearer rules for drywall, wood, and concrete handling • calls for separate tracking of construction and demolition data, mandatory source separation, deconstruction over demolition, house moving corridors, and transparency about end markets (especially for concrete, wood, and drywall) • some feedback suggested that including concrete and asphalt in recycling can distort diversion rates. • support for deconstruction and salvaging building materials	The draft Solid Waste Management Plan includes several actions that address this feedback: • Develop, test and share improved tools and approaches for house relocation and deconstruction programs and policies including data review • Work toward annual solid waste management reporting by material type and sector on all levels of the waste hierarchy, starting with organics, wood, and textiles • Pursue comprehensive materials flows for key sectors every 5-10 years to better track progress toward keeping materials in circulation for longer • Prioritize the development of local facilities and collection programs for triaging building materials to their best and highest use The solid waste and recycling annual report shows the construction and demolition diversion rate both with and without concrete to demonstrate there is still work to be done in this sector.

PLAN COMPONENT / INTEREST	WHAT WE HEARD	METRO VANCOUVER RESPONSE
Financial Overview and Affordability	Need for the plan to have cost transparency and estimates: • lifecycle costs of the Waste-to-Energy Facility • cost per tonne of different disposal and diversion options • budgets for upstream actions • budget seems weighted toward disposal rather than waste prevention	The plan prioritizes waste reduction. The Metro Vancouver solid waste system is cost effective compared to solid waste systems in other major Canadian cities. After accounting for recycling and waste centre and transportation costs, the Vancouver Landfill and Waste-to-Energy Facility are comparable. In contrast, contingency disposal is nearly double the cost. The draft Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics. Annual reporting will indicate how funds were allocated to Solid Waste Management Plan initiatives including corresponding metrics on the effectiveness of each, such as progress toward plan targets and improvements in secondary metrics. This reporting strategy will assist in prioritizing funding and informing where investments can be most strategically allocated. More detail has been added to the draft Plan with respect to allocation of funds across the solid waste hierarchy, as well as more detail on the rational for allocation of funds within the solid waste budget.

PLAN COMPONENT / INTEREST	WHAT WE HEARD	METRO VANCOUVER RESPONSE
Food Waste and Organics	Food waste was highlighted as a major opportunity for environmental and community benefits. Feedback emphasized: • stronger reduction targets • clearer definitions (e.g., "preventable food waste") • better support for food recovery organizations • more data and reporting on commercial and institutional food waste	The draft Solid Waste Management Plan includes several strategics and actions that address this feedback: • Prioritize food waste reduction initiatives for the commercial and institutional sectors (Strategy 2.3) • Scale up efforts to recover food (Strategy 3.6) These are also complemented by action 1.2.2.2: Co-develop industry-supported targets and standardized methods of tracking waste prevention performance by business type.
Member Jurisdiction Roles and Collaboration	Member municipalities requested • clear, easy to find summaries of municipal actions • shared standards and resources • support for multi family buildings, public recycling, and construction and demolition initiatives • collaboration seen as critical to successful implementatio	Metro Vancouver will address this feedback during plan implementation by working closely with members to implement waste reduction initiatives. Member actions are clearly identified in the draft Solid Waste Management Plan. Member jurisdiction actions are intended as potential areas of focus for members to consider – they are not requirements. Actions where many potential participating parties have been identified including member municipalities have been clarified to remove member municipalities unless specific member actions are required to implement the action.

PLAN COMPONENT / INTEREST	WHAT WE HEARD	METRO VANCOUVER RESPONSE
Prioritizing Reuse and Repair	• Show clear intention to invest in reuse and repair infrastructure like regional hubs, repair cafés, reuse days, and deconstruction/ salvage programs. • Track reuse separately from recycling. • Commit to seeking more opportunities to reuse and repurpose materials.	The draft Solid Waste Management Plan includes several strategies and actions that address this feedback: • Work toward annual solid waste management reporting by material type and sector on all levels of the waste hierarchy, starting with organics, wood, and textiles (Action 1.4.1) • Work with businesses, institutions and event organizers to expand reuse, repair and refill options (Strategy 3.4) • Increase access to and foster the broad adoption of reuse, refill and repair (Strategy 3.5) Metro Vancouver plans to continue to scale up reuse drop-off at recycling and waste centres, and work with member jurisdictions to facilitate opportunities to expand repair and reuse events such as repair cafes.
Regulatory Strategy and Enforcement	There was support for much stronger enforcement, including: • mandatory source separation • clear/inspectable bags • load inspections • standardized enforcement protocols • consistent fines for waste generators • education alone is seen as insufficient. Some feedback not in support of additional regulation, noting that more regulation would be a barrier to innovation and private industry participation	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: • Added clear bags as a potential option to explore to enhance disposal capacity. Landfills account for more than 95% of residuals disposalban inspection efficiency • Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation as an early initiative in Canada.implementing the Plan. Where a feasible alternative exists, Metro Vancouver aims to manage materials according to the highest applicable level of the waste hierarchy (e.g. recycling before recovery). Recovering energy from non-recyclable materials is preferable to disposal according to Metro Vancouver's waste hierarchy, which is consistent with the provincial and federal hierarchies.

PLAN COMPONENT / INTEREST	WHAT WE HEARD	METRO VANCOUVER RESPONSE
Reporting and Plan Monitoring	• Transparent and clear public reporting: • accessible dashboards with information on progress towards targets and goals • sector-specific level data (separate sectors) • inspection results published • diversion vs. disposal clarity • public sharing of consultant reports • independent oversight of the waste system	Metro Vancouver will continue to publish sector-specific data, an annual report on the efficacy of the disposal ban program, and consulting reports. Staff will work on continuous improvement of data publishing formats in alignment with corporate standards as new data tools become available and adopted corporately. Waste-to-energy is considered as disposal and annual reporting will differentiate the between diversion and recycling rates. Metro Vancouver will continue to proactively work to move materials up the waste hierarchy. The draft Solid Waste Management Plan includes details on the plan monitoring advisory committee as well as other committees that will continue to provide guidance during the implementation of the updated solid waste management plan.

PLAN COMPONENT / INTEREST	WHAT WE HEARD	METRO VANCOUVER RESPONSE

Residuals Management and Disposal	• Questions about long term landfill capacity, environmental impacts, contingency planning, and how residual waste (what remains after recycling and composting) is measured.
	• Comments that recovery should not be counted as recycling, and that residual management must be transparent.
	• Clarity requested in the plan around:
	  ◦ landfill capacity planning,
	  ◦ landfill vs. Waste-to-Energy Facility roles
	  ◦ contingency disposal
	  ◦ environmental risk management (air emissions, landfill leachate, hazardous materials).
	• Comments to stop landfilling waste altogether.
	• Do not send material to cement kilns and other industries for recovery; this should be counted as disposal.
		Landfills are an important component of the regional solid waste system providing approximately 75% of regional disposal capacity. Landfills account for more than 95% of residuals disposal in Canada.
		
		Prioritizing local solutions (solutions within Metro Vancouver region or in close proximity) for solid waste management aligns with the vision and guiding principles of the Solid Waste Management Plan, and is a strategic principle. Metro Vancouver will optimize the use of the Vancouver Landfill and the Waste-to-Energy Facility to reduce reliance on remote disposal options, to help maintain affordability and reduce greenhouse gas emissions associated with transporting waste.
		
		Where a feasible alternative exists, Metro Vancouver aims to manage materials according to the highest applicable level of the waste hierarchy (e.g. recycling before recovery). Recovering energy from non-recyclable materials is preferable to disposal according to Metro Vancouver's waste hierarchy, which is consistent with the provincial and federal hierarchies.

PLAN COMPONENT / INTEREST	WHAT WE HEARD	METRO VANCOUVER RESPONSE
Role of Private Industry	• Privatize the regional solid waste system • Don't privatize the regional solid waste system	Metro Vancouver provides convenient drop-off for small loads of recyclables, and disposal of residential and commercial/institutional garbage for all residents, businesses and institutions in the region. This system provides reliable and resilient waste and recycling services that benefit and are available to all residents and businesses who generate waste in the region. It also allows Metro Vancouver to implement the disposal ban program at its facilities which encourages recycling rather than disposal of many recyclable materials. Recycling sorting and processing facilities, and most commercial recyclables collection and drop-off are managed by the private sector. An integrated system allows and encourages private sector innovation in recycling.
Waste to Energy (Incineration)	• Phase out or close the Waste-to-Energy facility. • Avoid projects that require new incineration capacity (e.g. District Energy). • Improve transparency about emissions, lifespan, and costs. • Participants emphasized that burning waste should be treated as disposal, not as recycling or diversion. • Requests for deeper assessment of pollution risks, cumulative exposure (especially close to the Waste-to-Energy Facility), microplastics in soil, disaster debris planning, and alignment with public health stakeholders. Some ask for independent toxicological monitoring.	Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. No work is underway to develop new waste-to-energy capacity in the region. Comprehensive emissions data is reported to various regulatory agencies, and publicly available on Metro Vancouver's website, including real-time continuous emissions monitoring data, stack test results, and other environmental performance data. In 2024, average emissions across parameters reported to the Zero Waste Committee were 17 per cent of the provincial Operational Certificate limits.

PLAN COMPONENT / INTEREST	WHAT WE HEARD	METRO VANCOUVER RESPONSE

Zero Waste and Circular Economy	• Adopt the Zero Waste Hierarchy and remove "recovery" in the hierarchy.
	• The plan should explicitly focus on upstream reduction and not position disposal as a major system pillar.
	• Across all groups, there was strong support for aligning the plan with zero waste principles, including:
	  ◦ redesigning systems to reduce waste
	  ◦ supporting local circular businesses and innovators
	  ◦ encouraging repair, sharing, and product longevity
	• Participants expressed enthusiasm for regional leadership in the circular economy.
		The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
		Leading the transition to a regional circular economy through waste prevention is a key focus area of the updated Solid Waste Management Plan. Many plan actions focus on waste prevention and reduction.

7. How Feedback Was Used

Feedback from this engagement phase has helped to refine the revised Solid Waste Management Plan to strengthen its strategic direction, clarify implementation pathways, and enhance accountability. The updated plan emphasizes prioritizing local solid waste management and sets clear targets for the next 10 years. It identifies several priority focus areas for near term action, new or significantly expanded from the 2011 plan, such as improving multi family diversion and preventing construction and demolition waste. An executive summary was added to the Solid Waste Management Plan in response to feedback calling for better articulation of key initiatives to drive progress towards the plan goals and targets. These initiatives are referred to in the revised Solid Waste Management Plan as Focus Areas and outline high priority strategies and actions that are new since approval of the 2011 of the plan.

8. Next Steps

This engagement summary report will be presented to the Zero Waste Committee and GVS&DD Board, along with a revised draft solid waste management plan. Following review by the GVS&DD Board, the draft solid waste management plan will be distributed for an additional public comment period prior to submission to the Ministry of Environment and Parks.

If you have any questions or comments about this project, please contact 604-432-6200 or zerowaste@metrovancouver.org.


metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
1	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Targets/Metrics	Metrics need detailed breakdowns to enable informed discussion and evaluation	Detailed targets calculations are published on MV's website
2	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Targets/Metrics	One-sentence summaries are insufficient; targets must be clearly calculated and justified.	Detailed targets calculations are published on MV's website
3	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Targets/Metrics	Inaccurate numbers can mislead the public and impact realistic planning. Current reported recycling rates are inaccurate; suggestion that actual rates are lower (closer to 30%)	Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency.
4	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Targets/Metrics	Concrete and asphalt skew recycling stats and should be excluded from municipal solid waste recycling rates	Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency. Concrete and asphalt recycling rates are also presented separately for transparency. Asphalt will no longer be counted as recycling in annual reports beginning in 2024.
5	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Targets/Metrics	C&D waste should be tracked separately from industrial, commercial, and institutional (e.g. hospital) and residential municipal waste with individual targets	Diversion rates are presented by sector in Metro Vancouver's annual reports. Sector specific targets have been added to the revised plan.
6	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Targets/Metrics	Recovery (especially energy recovery) should not be included in diversion targets	The draft solid waste management plan includes both diversion (which includes recovery) and recycling targets, with a goal of maximizing the portion that is recycling and minimizing the portion that is recovery.
7	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Targets/Metrics	Recycling metrics – more information needed: o How much recyclable material is used to produce new items? o Are current recycling collection systems effectively reducing plastic production needed: o How much recyclable material is used to produce new items? o Are current recycling collection systems effectively reducing plastic production	Metro Vancouver does not currently have access to the information that would be needed to include the suggested information in targets, but strives to share recycling statistics that are as transparent as possible.
8	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Strategies/Actions	The current plan is too complex. Simplify to 4–5 clear, achievable goals	Metro Vancouver believes the six goals of the draft solid waste mangement plan are clear and achievable. Linking each goal to the hierarchy allows for a simplified summary of each.
9	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Secondary Metrics	Conditional support for secondary metrics: o Need clarity and transparency in metric definitions and calculations. o Reuse metrics (e.g., food rescue) need clearer definii ons—human use vs. animal feed.	A glossary is included in the draft solid waste management plan to provide clarity and transparency in definitions. Detailed targets calculations published on MV website
10	4-Nov-25	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Secondary Metrics	Waste-to-Energy should be classified as "Dispose" if purpose-built, "Recover" if used as fuel substitute.	Waste-to-Energy is classified as dispose as it's primary function is for waste disposal.
11	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Secondary Metrics	Suggested secondary metrics lack transparency. Cost transparency is essential (e.g. where do tipping fee revenues go?). Metrics should reflect realistic, cost-effective outcomes	Secondary metrics will be reported annually, including methodology to demonstrate transparency.
12	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Secondary Metrics	Waste composition studies should inform targets. Show clearly how targets relate to waste composition and key actions	Detailed targets calculations are published on MV's website. These are based on waste composition.
13	4-Nov-25	Meeting	Industry Advisory Committee	Advisory Committee	Strategies/Actions	More committee discussions are needed to refine goals and strategies: o Focus should remain on materials and sectors within regulatory control. o Emphasis should be on source-separated recyclables and organics, not recovery. o Realistic goals must reflect material value and market viability (e.g., wood and plastics have low/no value). o Cost transparency across disposal options should be included in presentations to IAC	More committee discussions on the draft solid waste management plan were held following this comment.
14	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Discussed the importance of reducing food waste to achieve carbon neutrality. Support for efforts to address food waste. Highlighted that measuring total emissions from food waste is challenging and 80% of total emissions from food waste are not related production and distribution rather than landfill emissions.	The draft solid waste management plan includes food waste as a key focus area. Emissions targets do not include embodied carbon, however this is contemplated under Aci on 1 1.4.3.Develop methods for esi mai ng and repori ng environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts.
15	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Comment that the targets may not be ambitious enough and suggested having 5-year and 10-year targets, along with adding sub-targets (e.g., food waste).	The draft solid waste management plan has been revised to include 10 year targets and a 5 year disposal target. Targets have also been added by sector.
16	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Plastics and packaging fall outside Metro Vancouver's responsibility because they are covered under extended producer responsibility programs for residential sources. Members suggested looking at market conditions, as limited material value makes recycling challenging, and discussed how Metro Vancouver could start influencing markets.	The draft solid waste management plan includes several actions related to strengthening recycling markets.
17	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Discussion on separating concrete from the targets (can set a separate target for just concrete), because large tonnages of concrete significantly skew overall figures.	Quantities of all recycled material are reported in Metro Vancouver's annual report. Rates are listed with and without asphalt and concrete as of 2022.
18	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Clarification requested on the distinction between the diversion target (80%) and the recycling target (75%). Questions about the remaining 5%, specifically (the portion that is diverted but not recycled).	The remaining 5% would be is the portion that goes to recovery (such as using wood for fuel) rather than material-to-material recycling. Waste-to-energy is not included in that 5%, as waste-to-energy is considered disposal. Staff noted that if recycling markets become available, efforts would be made to close that gap, pushing more materials to recycling.
19	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Members asked about sub-targets for waste generation.	Staff confirmed that analysis was completed on roughly 170 waste composition material types which set out the amount of each material to be reduced or diverted. Work is underway to present them in a more digestible format and share with the committee.
20	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Members asked if Metro Vancouver is aligning with the United Nations Sustainable Development Goals (SDG), and noted that the SDG target includes a 50% reduction in food waste generation by 2030.	Staff are exploring this to see how they can align.
21	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Members suggested including an overall total waste generation target in addition to per capita targets.	All tonnage targets will be reported in both per capita and overall.
22	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members discussed that Metro Vancouver currently lists emissions only under "disposal," but there are additional sources such as transportation and other waste-related activities.	Staff noted that while the Climate 2050 Solid Waste Primer only looks at disposal emissions from disposal activities, it also lists carbon reduction projects in other areas such as low carbon transport. Other Climate 2050 road maps cover other areas such as transportation and built environment. Staff are exploring what carbon neutrality means, and will work with the climate team to align with the Climate 2050 approach.
23	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members suggested adding secondary metrics such as the number of material bans, regulations introduced, or other enforcement measures.	Staff considered this feedback in revising secondary metrics and made the following changes: -Percentage of region covered by reusable for dine in regulations -Percentage of region by population covered by deconstruction or hole relocation requirements Other suggestions were not incorporated, but the information can be provided upon request.
24	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members noted that secondary metrics are difficult to set without knowing the plan actions, and recommended developing metrics that align with finalized actions. (e.g. number of partnerships, businesses certified as zero waste, and municipalities with zero waste procurement processes).	Staff noted that the draft list of strategies and actions have been shared with committee and were used to inform the draft metrics, and encouraged members to provide feedback on secondary metrics that they feel might be missing based on that list.
25	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members requested that greenhouse gas data be shown in much greater detail, including emissions by type of disposal, so the information is clearer and more comprehensive than the 2021 biennial report.	Greenhouse gas emissions from disposal facilities is included as a secondary metrics in the draft solid waste management plan. Metro Vancouver will strive to make the information clear and comprehensive.
26	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members observed that under "recycle," the metric for "tonnes recycled" is missing, and similarly under "dispose."	Tonnes disposed is included as a primary metrics. Tonnes recycled is tracked and used to calculate generation rate and recycling/diversion rate. It is also reported separately in annual reports.
27	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members asked where the definitions for "circular jobs" come from.	Circular jobs are generally all jobs that support the plans definition of circularity. The exact methodology of how to define and measure circular jobs is the region is being worked on.
28	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members discussed the overlap between "reduce" and "reuse" and asked how this will be tracked.	Metro Vancouver acknowledged challenges with tracking the end fate of reused materials and indicated they are open to feedback on the best approach.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
29	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members suggested that under "reuse," metrics could include the number of programs offered in the region and the number of partners that have committed to offering reusables, along with other supporting measures.	Staff considered this feedback in revising secondary metrics and made the following changes: -Percentage of region covered by reusable for dine in regulations
30	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members emphasized the need to be careful with definitions. They noted that diversion currently includes recovery and suggested that there should not be a goal for recovery—focus should remain on material recycling.	The diversion target includes a recycling target, with the goal of minimizing the portion of diversion that is recovery over time.
31	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Secondary Metrics	Members noted that the "reuse" section lacks context and suggested adding more meaningful metrics (e.g. include number of homes relocated versus demolished, and number of homes demolished that could have been relocated).	Staff considered this feedback in revising secondary metrics and made the following changes: -Percentage of region covered by reusable for dine in regulations -Added percentage of region by population covered by deconstruction or hole relocation requirements
32	20-Nov-25	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Comment that the metrics look good but felt the targets for 2050 seem far away, and suggested that targets for 2030 and 2040 be set as well.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets
33	21-Nov-25	Email	Public/Technical Advisory Committee member	Advisory Committee	Strategies/Actions	Comment to refer to the Region of Peel's Mixed Waste Processing Feasibility Study and its conclusions based on waste system structure, disposal-cost environment, and diversion targets that closely resemble Metro Vancouver's context. Feedback that mixed waste processing is a favourable option here in Metro Vancouver, similar to Peel.	In the Residual Waste Management Options Review authored by Stantec, it noted that Toronto stated that studies have shown that mixed waste processing of residual waste would be unlikely to meet target outcomes of recycling and resource recovery and be less cost-effective than current waste recycling program efforts.
34	24-Nov-25	Email	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	* Most important to track metrics in the "rethink" category as this will guide strategic direction of private industries in the region. * recycling metrics: trust/confidence in recycling programs and recycling rate by material/sector *rethink: track metrics and profitability of circular economy * reduce: metrics on waste diverted at municipal events * reduce: # items repaired at repair events and track why items cannot be repaired.	The initial draft solid waste mangement plan included the following components: -Recycling rate by material/sector -Number of items repaired at repair events. Staff considered this feedback and did not make additional changes to the initial draft solid waste management plan as the additional metrics would require significant extra cost or data that is not currently available.
35	9-Dec-25	Email	Public/Technical Advisory Committee member	Advisory Committee	Other Plan Parts	Request for confirmation that there will be more opportunities to review the Draft Regulatory Strategy, following a comment at a previous meeting where staff responded to assure that a more detailed draft regulatory strategy would be forthcoming, for review.	The committee was provided with additional opportunities to review and discuss the Draft Regulatory Strategy.
36	9-Dec-25	Email	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	Comment that a Stantec report that informed targets and metrics was not shared with committee until after the meeting, and note the report has an old version of the hierarchy - did this impact reporting on metrics?	This did not impact reporting on metrics. The report was shared with committee following the meeting.
37	9-Dec-25	Email	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	* Include 5 and 10 year targets * Stronger target for per capita generation -- 15% reduction by 2036 * Add sub targets for residential, ICI, C&D, and food waste * Should be a 90% recycling/composting target for 2036 with interim 5 year target * Show the current recycling rate * add target to eliminate burning of clean wood and mixed waste). Add a target to reuse and recycle those materials. * Recovery should not be a part of diversion-only recycling and composting; diversion target for recovery could be associated with materials recovered after disposal, but prefer not to include a recovery target at all as it may send the wrong signals * Disposal reduction per capita target should be 50% reduction by 2036 (210 kg/capita) and align with a closure of the incinerator * should add a target for total waste (i.e. so if population goes up, there is need to work harder to meet the goal)	The initial draft solid waste management plan included the following components: -A commitment to provide tonnage metrics in both per capita and overall Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -10 year targets for all primary metrics and a 5 year target for disposal per capita. Other suggestions were not incorporated.
38	9-Dec-25	Email	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	* Need clear definitions for recycling and composting (existing standards rather than created by Metro Vancouver	The initial draft solid waste management plan included a glossary. The definitions for recycling and composting were created from existing provincial definitions.
39	9-Dec-25	Email	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	* Waste-to-Energy Facility metals are recovered (not recycled) because they are not source-separated * Should be a goal to close incinerator and save at least 130,000 t CO2e annually; should be emphasis on reducing emissions and not a reliance on carbon offsets; should be carbon accounting using embodied carbon and set a separate target for reduction in embodied carbon	Staff considered this feedback and did not make additional changes to the initial draft solid waste management plan. Metro Vancouver intends to continue using the Waste-to-Energy facility as it continues to be a safe and cost-effective method for managing residual garbage, alongside other disposal options. The draft solid waste management plan emphasizes the importance of reducing emissions through waste prevention. Action 1.4.3. "Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts" considers embodied carbon.
40	9-Dec-25	Email	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	* Metrics should be set after actions in plan are finalized * additional Rethink metrics: # partnerships, # actions advocated for that have ben enacted, # businesses certified zero waste, # municipalities with circular economy / zero waste purchasing policies, growth in zero waste / circular economy jobs and businesses, economic value of circular economy, funding and investment available for zero waste / circular economy initiatives * Additional Reduce metrics: # municipalities with dine in requirements, # municipalities with event permit requirements, # municipalities with zero waste plan requirements for business licenses, # engagements to support ICI transitions * Additional Reuse metrics: # municipalities enacting deconstruction bylaws, tonnes reuse for C&D materials, # repair options and awareness, # reuse programs, # refilleries, growth in share/repair/reuse assets, amount of reuse options and awareness, # repair shops, edible food recovered and redistributed * Additional Recycle metrics: # municipalities with full organics and curbside collection, % multi-family buildings with full Recycle BC service and organics service, organics recycling participation rate, % of ICI with full three stream collection, # municipalities with mandatory three stream collection (or % of region), amounts recycled by ICI, CD, SF, MF, Amount composted, % contamination in recycling and organics * Additional Recover metrics: what materials are recovered and # actions taken to move from recovery to higher levels; do not include recovery in diversion; understand why something was wasted * Additional Dispose metrics: understand why something was wasted; remaining incineration capacity, GHG from transport of waste, GHG from disposal facility by each facility, GHG reductions associated with waste and consumption, energy input and wasted at each facility, costs of disposal per tonne by disposal methods not including transfer station costs, costs for incinerator maintenance, do not show homes powered by incineration, % loads enforced (going to 90% in 10 years), % loads in clear bags, GHG by disposal option, GHG consumption based emissions, wildlife garbage interaction stats, illegal dumping, waste composition, diversion rates, total waste disposed, total discards generated	The initial draft solid waste management plan included the following components: -secondary metrics including number of jurisdictions with circular procurement policies, circular jobs, percentage of region covered by reusables for dine-in regulations, percentage of region by population covered by deconstruction or home relocation requirements, tonnes food rescued, trends in availability of and participation in organics and recycling programs, organics contamination rates, organics contamination rates. Other suggestions were not incorporated. While many potential metrics exist to measure progress, the list of secondary metrics selected aims to highlight the most important metrics for tracking progress of the updated solid waste management plan.
41	9-Dec-25	Email	Public/Technical Advisory Committee member	Advisory Committee	Targets/Metrics	The plan should commit to a list of metrics and data that will be made public. Shame that some stats in previous biennial reports are now not available.	All metrics listed in the solid waste management plan will be made public as available.
42	9-Dec-25	Email	City of Burnaby	Local Government	Strategies/Actions	As a follow up to the November 24, 2025 Regional Planning Advisory Committee, the City of Burnaby submitted the following information: * Burnaby informally tracks deconstruction and home removal * Burnaby is in the process of developing more flexible use definitions, creating fewer zones with broader range of uses, and removing some old, more restrictive conditions; new zoning bylaw should be more supportive of food production, reuse stores, smaller-scale retail commercial recycling centres, small and large scale manufacturing and food processing, recycling/waste processing facilities, sustainable energy systems * Also introducing a heritage adaptive use definition to allow broader range of uses in heritage buildings * Additional priority: streamlining permitting process for building relocation, working with heritage planner to identify projects to embed requirements for heritage building adaptive reuse, relocation, or deconstruction.	Thank you for this information. A focus area of the updated solid waste management plan is "Expand efforts to prevent disposal of valuable building materials."
43	17-Dec-25	Email	City of Richmond	Local Government	Member Actions	* Richmond's Official Community Plan and other policies establish supportive land use approach to protect and preserve industrial employment of designated and zoned land and also develops initiatives to intensify usage of these lands * Industrial Lands Intensification Initiative in 2021 reinforced protection of lands to support industrial uses and allow for increased economic viability and flexible use of lands * Existing zoning regulations support operation of facilities/businesses that support initiatives in the regional solid waste management plan, with the majority of these uses accommodated in the City's Industrial Zones, with additional allowance in some Commercial Zones * Richmond's Circular City Strategy will help guide Richmond's transition to a circular economy - initiatives are aligned with many actions in the regional solid waste management plan; initiatives and actions in the Circular City Strategy wills uport and help advance initiatives in Metro Vancouver's solid waste management plan	Thank you for this information. A focus area of the updated solid waste management plan is "Lead the transition to a regional circular economy through waste prevention."

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
44	18-Dec-25	Email	City of Vancouver	Local Government	Targets/Metrics	* Difficult to provide feedback on targets without seeing how per-capita targets translate to total waste generated and disposed, rationale for diversion assumptions, and baseline climate impacts of waste * Request for info: what are Metro Vancouver's waste flow projects to 2040 and 2050 for total disposed, diverted, and generated; what are assumptions and sources for line-by-line diversion targets for specific types of waste; how is carbon neutrality being calculated and what is the current baseline	Waste flow projections were provided for further detail. The calculations assume all actions within the plan have been completed by 2050. 2040 was interpolated based on 2050 values. These assumptions assume advocacy efforts regarding expanding the scope of EPR programs are successful, which would mean including material types that are in some cases beyond what is currently indicated.
45	18-Dec-25	Email	City of Vancouver	Local government	Secondary Metrics	Rethink: Add a consumption-based emissions inventory (CBEI), done at regular intervals over the course of the plan, to measure the embodied carbon (GHGs from a product's life cycle) in consumables and waste.	Action 1.4.3. (Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts.) is meant to position in us in a way to leverage our climate team's regional consumption-based emissions work to start looking at embodied carbon.
46	18-Dec-25	Email	City of Vancouver	Local government	Reuse Strategy/Action	Reuse: Add tonnes (or other applicable units) of reuse through EPR programs. For example: oProduct Care reuses paint. oReusable packaging and food service ware: The Province has advised that Recycle BC's "next proposed plan should target ini. atives to manage program materials at higher levels of the PPH [pollution prevention hierarchy] (e.g., consumer reuse initiatives), including targets to manage higher up the PPH." Recycle: Tonnes of waste recycled through EPR programs.	These details are reported on in our annual report, although it's not specifically described in the metrics table. We are in the process of updating our reuse methodology to improve the repeatability of our results. In the past we have reported on reuse through EPR and would continue to do so in the future.
47	18-Dec-25	Email	City of Vancouver	Local government	Reduce Strategy/Action	Reduce: Add tonnes of C&D waste reduced to disposal.	These will be measured and reported in the overall suite of performance metrics.
48	18-Dec-25	Email	City of Vancouver	Local government	Targets/Metrics	* As the targets are for 15 and 25 years from now, will Metro Vancouver review and potentially update them at the 10 year mark? We would suggest to do so and explicitly note that intention in the plan. This would align with the Province's guidance and allow adjustments based on innovation, green jobs, future senior government policies, and emerging science on climate change impacts of consumption and waste management	Additional text has been added to the draft plan describing that we will interpolate 10 year targets based on the targets provided following provincial approval of the updated plan. We will be initiating another solid waste management plan update at the 10 year mark following approval, and the targets will be reassessed at that time.
49	18-Dec-25	Email	City of Vancouver	Local Government	Targets/Metrics	Generally support the proposed secondary metrics and suggest adding a few more: * add a consumption-based emissions inventory done at regular intervals to measure embodied carbon in consumables and waste * add tones of C&D waste reduced * add tones (or other applicable units) of reuse through EPR programs (examples: Product Care reuses paint, and the Province has advised Recycle BC's next proposed plan should target initiatives to manage program materials at higher levels of the pollution prevention hierarchy * add tonnes of waste recycled through EPR programs	Staff considered these suggestions and did not add any additional metrics. While many potential metrics exist to measure progress, the list of secondary metrics selected aims to highlight the most important metrics for tracking progress of the updated solid waste management plan.
50	9-Jan-26	Meeting	Regional Engineers Advisory Committee (REAC)	Local Government	General	*Concern about microplastics in topsoil; encouraged consideration of how to better screen compost or ensure requirements are met, and also educate for minimizing plastic overall	The draft solid waste management plan includes actions to reduce plastic waste, which will help to reduce microplastics.
51	9-Jan-26	Meeting	Regional Engineers Advisory Committee (REAC)	Local Government	Member Actions	*Suggested collaboration on recycling space and access requirements for multi-family *Suggestion to host REAC Solid Waste Sub-committee discussion on public realm / streetscapes recycling with REAC members invited	*Metro Vancouver will convene a member staff working group on streetscapes / public realm recycling *Beyond the member action, there is a streetscape action on reducing litter from set-outs *Energy recovery for materials used as alternatives to fossil fuels are counted as recovery" which is added to "recycling" totals to obtain the "Diversion" rate
52	9-Jan-26	Meeting	Regional Engineers Advisory Committee (REAC)	Local government	Member Actions	*Question on whether there was a more specific action on Streetscapes	Yes, under 4.4 there is an action to advocate for, test, and share consistent approaches to improve public space waste reduction and recycling.
53	27-Jan-26	Email	Public members-at-large	Public members-at-large	Reuse Strategy/Action	Question on whether poor quality items received by thrift stores that are unsaleable are included as contributing to reuse or simply garbage.	Our solid waste statistics do not include information on the origin of materials for disposal, beyond whether they are residential, commercial, institutional, or construction and demolition. Material that is disposed of would be counted in our overall garbage estimate. Textile reuse is not included in recycling statistics. We are working on ways to better estimate reuse, which would be considered a separate metric.
54	27-Jan-26	Email	Public members-at-large	Public members-at-large	General	Question on how bird flu deaths from Westham Island were dealt with to prevent spread of virus.	The Bird Sanctuary on Westham Island is not managed by Metro Vancouver. These questions would be better directed to the responsible agencies.
55	27-Jan-26	Email	Public members-at-large	Public members-at-large	General	Questions about how waste from cruise ships, freighters, and ferries is handled, including expense, ownership. Questions about medical waste and where it goes.	The Canadian Food Inspection Agency requires that international marine waste (defined as waste from vessels not coming from U.S. ports) be disposed of at the Waste-to-Energy Facility. Other marine waste can be disposed of at any of the regional solid waste facilities.
56	27-Jan-26	Email	Public members-at-large	Public members-at-large	Dispose Strategy/Action	Question about future plans related to incineration. Recommendation to connect with federal bodies like NPRI, NAESI, CCME, IISD, and NASEM in Washington DC.	Metro Vancouver is not doing any work on the development of any new waste-to-energy capacity. Metro Vancouver is developing a district energy system to supply heat and hot water to up to 50,000 homes in Vancouver and Burnaby. This system will utilize energy from the existing Waste-to-Energy facility in Burnaby. Through the National Zero Waste Council, an initiative of Metro Vancouver, we work collaboratively with jurisdictions across Canada, including the City of Montreal, who is a leader in many circular economy initiatives.
57	27-Jan-26	Email	Resident	Public	Initial Draft Plan	Questions about several items and comment that information on these things is missing from the plan: Questions about the future of Vancouver Landfill, its capacity, and its height and footprint. Questions about methane and energy recovery, and comment that there is hope public tours will continue for public education and engagement. Question about residuals from Seymour treatment plan and how hey are applied to farmland and other uses.	The Vancouver Landfill operates according to an agreement between Metro Vancouver, the City of Vancouver, and the City of Delta. The agreement expires in approximately 2050. The Vancouver Landfill will continue to operate within the previously agreed upon footprint and height. The Vancouver Landfill is owned and operated by the City of Vancouver. They continue to collect landfill gas, a portion of which is utilized in renewable natural gas facilities. The definition of Residuals in the initial draft of the solid waste plan means the fraction of municipal solid waste that is left after prevention, reuse, and recycling and is destined for disposal. Metro Vancouver also manages residuals from the Seymour Capilano Filtration Plant (Drinking Water Treatment Residuals) and from the region's Wastewater Treatment Plants (biosolids). Drinking Water Treatment Residuals are beneficially used under the Drinking Water Management Plan and the beneficial use of biosolids is mandated under the Liquid Waste Management Plan. For over 35 years, Metro Vancouver has safely and responsibly used biosolids across BC to restore land, create healthy soil and bring vegetation back to life. Liquid waste system residuals that cannot be beneficially used are disposed in accordance with the solid waste management plan.
58	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Recycle Strategy/Action	Recycling is increasing, but this progress is not reflected in long-term planning for the draft plan.	Metro Vancouver reports annually on diversion rates. The plan targets a diversion rate of 75% by 2036 and 80% by 2050.
59	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Recycle Strategy/Action	Metro Vancouver's claimed 65% recycling rate is viewed as unrealistic when most global jurisdictions report 20%–30%.	Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency.
60	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Residual Management Strategic Approach	Accurate measurement is fundamental; without it, Metro Vancouver cannot effectively manage the system.	Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency and accuracy.
61	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Residual Management Strategic Approach	Waste residuals from organic processing are significantly higher than reported.	Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency and accuracy.
62	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Recycle Strategy/Action	There is no credible method to track residuals from recycling facilities, especially once materials exit the region.	Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency and accuracy.

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63	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Residual Management Strategic Approach	The plan overlooks asphalt and concrete recycling, despite these materials being almost entirely recyclable and representing over one million metric tonnes annually.	The initial draft solid waste management plan included the following actions: -Metro Vancouver and member jurisdictions will collaborate to: 4.1.2.Work with engineering design and construction organizations to include recycled asphalt and concrete in roads, fill, and other applications. 4.1.3.Develop, test, and share educational materials, procurement tools and templates for recycled products including asphalt, concrete, and compost.
64	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	General	The draft aims for carbon neutrality by 2050; comment disputing the relevance of carbon dioxide in climate change.	Metro Vancouver intends adopt the Climate 2050 targets in the Solid Waste Management Plan
65	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Targets/Metrics	C&D waste should be tracked separately from ICI and residential waste due to differing metrics and recovery pathways.	Diversion rates are presented by sector in Metro Vancouver's annual reports. Sector specific targets have been added to the revised plan.
66	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Residual Management Strategic Approach	Between 30,000 and 50,000 tonnes of C&D waste have been sitting on the north arm of the Fraser River for years, unresolved.	Metro Vancouver Environmental Regulation and Enforcement is pursuing legal action. The matter is before the courts.
67	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Residual Management Strategic Approach	A large portion of C&D wood waste has become nearly impossible to recycle or convert to fuel.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including a focus on end markets for wood.
68	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Residual Management Strategic Approach	The draft plan continues to rely on both the landfill and the incinerator even though the extended lifespan of the Vancouver Landfill reduces the need for incineration.	More waste is generated in the region than can be disposed at the landfill alone. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling.
69	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Dispose Strategy/Action	The plan includes the incinerator as a major capital asset despite some committee member's concerns.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage.
70	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Residual Management Strategic Approach	The future of the Eco Waste landfill remains unclear. Concern that licensing challenges and future regulatory pressures could restrict its operation.	The initial draft solid waste management plan included the following: -Engage with industry representatives to monitor disposal capacity and options for construction and demolition materials generated.
71	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Recover Strategy/Action	The incinerator experienced multiple shutdowns in 2025, with concerns these disruptions will only grow.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage.
72	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Recover Strategy/Action	Replacing the Waste-to-Energy Facility would cost approximately $1 billion, and it is unclear whether this is reflected in the plan.	There are no plans to replace the Waste-to-Energy facility.
73	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Recover Strategy/Action	Comments that the incinerator should be removed from the plan unless its necessity can be clearly demonstrated.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage.
74	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Financial Overview	Concerns were raised about referencing affordability when the global cost of reaching net-zero by 2050 is estimated at $375 trillion, questioning how such figures relate to the regional budget.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview to provide more detail
75	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Risk Analysis	The plan does not directly address federal methane reduction requirements for Canadian landfills, nor does it indicate if they apply.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Referenced the federal landfill methane regulations under the role of the federal government
76	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Reduce Strategy/Action	Efforts by Environment and Climate Change Canada to harmonize carbon pricing nationwide are absent from the plan.	Staff considered this feedback and did not make additional changes to the initial draft solid waste management plan, as it was not considered relevant in the context of the plan content.
77	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Regulatory Strategic Approach	Haulers have been requesting a draft licensing template for years, yet the topic was never raised in Industry Advisory Committee meetings.	Hauler licensing is referenced as an example in the plan, but no actions commit to implementing hauler licensing.
78	28-Jan-26	Meeting			Regulatory Strategic Approach	If licensing is to be included in the plan, Metro Vancouver must provide details, rationale, and implementation guidance.	Hauler licensing is referenced as an example in the plan, but no actions commit to implementing hauler licensing.
79	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Financial Overview	The plan needs to be grounded in fiscal reality and clearly outline the actual financial impacts on the region.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview to provide more detail
80	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	General	Industry input is not adequately weighted.	Metro Vancouver staff diligently considered all feedback and provided information to committees on areas not considered advisable by staff, including their rationale for them not being considered advisable.
81	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	General	Some feel that issues raised by the Industry Advisory Committee remain unaddressed.	Metro Vancouver staff diligently considered all feedback and provided information to committees on areas not considered advisable by staff, including their rationale for them not being considered advisable.
82	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	General	Several draft-plan topics, including the District Energy System, were not discussed with the committee.	The action to maximize utilization of energy generated at the Waste-to-Energy Facility through projects such as district energy was included in the draft plan. Staff provided committee members with the ability to select which topics they wanted to talk about during committee meeting with plan engagement components. A round table plenary style session also provided opportunity for committee members to bring up any topic they wished to address. Members were also informed of the opportunity to provide feedback outside of committee meetings.
83	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Targets/Metrics	Targets could be more ambitious.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added ambitious 2036 targets to the plan
84	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Recover Strategy/Action	Material recovery should be distinguished from recovery for fuel use, as counting both together weakens performance metrics.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Removed material recovery from "recover" under the waste hierarchy
85	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Recover Strategy/Action	Overreliance on recovery indicates failure to progress toward reduction and reuse in the waste hierarchy.	The initial draft solid waste management plan included a goal of minimizing the amount of diversion that comes from recovery.
86	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	General	Everything included in the plan should be essential to achieving outcomes – not optional or "nice to have."	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets.
87	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Targets/Metrics	Some feel the draft reads more like a narrative of what is already being done rather than a plan focused on measurable, outcome-driven improvements.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets.
88	28-Jan-26	Meeting	Industry Advisory Committee (IAC)	Advisory Committee	Financial Overview	There are no cost estimates for reduction, reuse, or recycling initiatives.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Included an estimate of the percentage of costs allocated to waste prevention in the financial overview section

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
89	28-Jan-26	Email	Vancouver Food Runners	Food	Initial Draft Plan	Suggested adding to 2.3: 2.3.3. Develop and provide standardized food waste measurement tools, guidance, and technical support for commercial and institutional food sectors to support food waste prevention and continuous improvement. 2.3.4. Implement incentive-based pilot programs to support food waste prevention practices and infrastructure in commercial and institutional settings, such as grants, reduced tipping fees for pilot participants, and recognition programs for high-performing waste reducers. 2.3.5. Expand any sector-specific food waste prevention resources and engagement to major institutional food sectors, including post-secondary institutions, healthcare facilities, large-scale catering operations, and food distributors. Suggested adding to 3.6.1: 3.6.1.4. Integrate food recovery organizations into regional waste diversion planning and coordination processes to support long-term scaling, system efficiency, and increased diversion outcomes. 3.6.1.5. Support and pilot regional logistics coordination, infrastructure, and rapid redistribution systems to improve the efficiency and reach of surplus food recovery across the region. 3.6.1.6. Conduct feasibility studies and planning assessments for regional food recovery hubs or shared infrastructure that support processing, storage, and redistribution of surplus food. Suggested adding to 3.6: 3.6.3. Strengthen regional edible food recovery data collection and reporting by standardizing metrics across food recovery organizations and integrating results into Metro Vancouver's waste diversion performance monitoring.	We have adjusted actions under 2.3 and 3.6 to reflect the suggested additions.
90	29-Jan-26	Meeting	Regional Engineers Advisory Committee Solid Waste Subcommittee (REAC SW)	Local Government	Initial Draft Plan	Agreed to hold meeting on February 9, 2026 to further discuss the initial draft plan in detail, including extending invitation to REAC members. Areas of focus include municipal actions, actions related to buildings not currently serviced by Recycle BC, facility development/siting plans. Streetscapes is of interest and it was suggested to form a member staff working group. Comment that the scope of the plan is beyond the portfolio of just solid waste staff in some cases, and it will be good to involve staff from other departments. Member staff to invite colleagues to the February 9 session.	Metro Vancouver will host a February 9, 2026 feedback session as well as help to convene a streetscapes working group for 2026.
91	29-Jan-26	Email	Vancouver Food Runners	Food	Regional Food System Strategy	Feedback on regional food system strategy, with topics that crossover with the solid waste management plan. Comments on the importance of shifting to a circular food system, improving data and measurement, and strengthening regional coordination. Focus on engagement, tools, education, and convening partners is key. Recognizing important role of nonprofit and community groups in rescuing and redistributing surplus food is important. A gap in the strategy is lack of sustainable funding mechanisms for food recovery operations -- need to address the real cost of large scale recovery systems. Suggest to recognize food recovery as an essential regional infrastructure and explore long term funding approaches (for operations, diversion incentives tied to greenhouse gas reduction, service agreements within the waste management system, and links to climate and circular economy funding).	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened food recovery actions
92	29-Jan-26	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Initial Draft Plan	Inconsistency in key definitions, including how "recycling," "recovery," and related terms are used and positioned within the waste hierarchy. Members stated that perceived loopholes should be addressed and that definitions should be clarified to reduce ambiguity. •The term "zero waste" was not referenced in the plan. •Requested a clearer definition of "carbon neutral" in the context of the plan, including scope and boundaries, and how it relates to waste sector emissions.	Zero Waste was defined and used in the initial draft solid waste management plan. Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Definition of recovery was updated for clarity -The section describing carbon neutral goals was revised
93	29-Jan-26	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Initial Draft Plan	•Draft reads more like a high level strategy than a detailed implementation plan. Concerns were raised about the lack of: sector specific targets and near term milestones (e.g., 5 and 10 year targets); clear timelines sequencing when actions will occur; detail implementation describing how targets will be achieved (including enforcement, standards, and financial drivers); and a budget or cost framework showing estimated costs, funding approach, and allocation across levels of the hierarchy (including future costs, not only current/past costs).	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -added sector specific targets and near term milestones -provided more information on timelines -expanded the financial overview section
94	29-Jan-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	•Raised concerns that the targets are not ambitious enough, particularly on prevention and reduction and noted the Regional District of Nanaimo's solid waste management plan as an example with concrete and ambitious goals and targets	The solid waste management plan targets are considered ambitious but acheivable.
95	29-Jan-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Some targets extend beyond the plan's actionable timeframe and recommended establishing interim targets comparable to (or stronger than) the previous plan.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -added 2036 targets
96	29-Jan-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Percentage based targets be converted to metric tonnes to improve clarity and interpretability.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -More clearly showed tonnage targets alongside percentage targets
97	29-Jan-26	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Plan Monitoring	•More detail on enforcement and compliance, noting the plan includes many strategic or aspirational goals but provides limited clarity on how Metro Vancouver would ensure compliance during implementation, including minimum standards, inspection capacity, and enforcement tools.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -added a section on compliance promotion
98	29-Jan-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	•Raised implementation questions about hauler licensing and disposal ban enforcement, including the need for clearer requirements and specificity regarding: oload inspection processes and capacity ouse of clear bags to improve visibility of materials entering disposal facilities oclarity on how surcharges would be applied or reduced, and under what criteria	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -added clear bags as an option to enhance disposal ban inspection efficiency More clarity on specific regulations would be provided as part of dedicated engagement if specific regulations were to be considered.
99	29-Jan-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Effective past system changes (e.g., disposal ban programs and collection system shifts) indicate that regulatory tools can be among the most effective levers and asked whether the draft plan includes sufficient regulatory actions, including mandatory source separation and access to recycling.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -added stronger language regarding advancing regulation
100	29-Jan-26	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Initial Draft Plan	•Expressed concern with respect to the continued role of the Waste to Energy Facility, particularly considering the extension of Vancouver Landfill disposal capacity. Some members indicated the Waste-to-Energy Facility is no longer needed and noted concerns regarding long term liabilities. Members also expressed concern that the draft language could be interpreted as allowing for additional waste to energy capacity in the future.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage.
101	29-Jan-26	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Initial Draft Plan	The draft includes goals related to recovery and disposal that should be minimized, and that recovery pathways involving fuel production or combustion should be treated as disposal, as they reflect upstream system failures.	Recovery helps reduce GHG emissions by creating alternatives to fossil fuels, which is considered preferable to disposal.
102	29-Jan-26	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Initial Draft Plan	•Food waste was identified as an area requiring strengthening. Members requested: oclearer definitions of preventable vs. non preventable food waste; oclearer alignment with broader food waste frameworks (including reference to sustainable development goals, where applicable); and ostronger articulation of actions across the food lifecycle.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -added food waste reduction as a focus area -strengthened wording of actions, including food waste focused actions -referenced the UN sustainable development goals Other suggestions were not incorporated, as the terms preventable and non-preventable are not used in the plan.
103	29-Jan-26	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Plan Monitoring	•Supported the establishment of a plan monitoring/advisory committee and emphasized that progress reporting should be public, transparent, and disaggregated (e.g., reported separately for sectors such as commercial/institutional, construction & demolition, and residential), rather than consolidated in a way that obscures performance in specific areas.	Metro Vancouver will consider this feedback during plan implementation.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
104	29-Jan-26	Meeting	Public/Technical Advisory Committee member	Advisory Committee	Financial Overview	•The plan should contain indicative costing, suggesting the use of historical costs from similar initiatives over the past decade to provide ballpark estimates. Members noted that approximate costs — even with a margin of error — would support assessment of feasibility, comparison of action effectiveness, and prioritization. •Concerns about whether provincial guidance requires inclusion of costing and whether the current draft would meet provincial expectations.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: --Expanded the financial overview to provide more detail
105	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	•Inconsistency in how member actions are displayed. Preference for member actions to be separated so they are visually distinct from the other actions in the plan and easy to find	Updates to initial draft plan considering member feedback: •Provided clarity within strategies and actions on the importance of collaboration with members •Broadened Action 4.1.2 to be inclusive of additional materials •Added action on member amplification of behaviour change campaigns •Provided more detail on actions that are expected to make the biggest impact
106	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	Some supported current wording in the plan whereas others felt member jurisdiction roles are too voluntary, and that language could be strengthened. Discussion that a balance must be struck so that the actions are not prescribing actions but serve as a guide.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language in the plan
107	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	Question whether there is a municipal action related to food waste	Yes under 4.3 there is an action to promote and provide education on worm bins, home composting, proper use of green bins, and use of compost products.
108	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	•Note that member action on recycled concrete (4.1.2) could be broader to include other materials	A more broad action for circular porcurment which covers all priorty materials is included in 1.3 develop, test and share circular procurement approaches, tools and templates
109	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	•Actions should drive collaborative work and sharing between members, to help increase consistency across the region	Metro Vancouver will consider this feedback during plan implementation.
110	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	•Support for Action 2.1.7 as commercial and institutional waste is the biggest opportunity, but also flagged as difficult to measure at a local level	Thank you for your support.
111	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	•Support for Strategy 4.4 and 4.5 on improving recycling convenience and education	Thank you for your support.
112	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	•Support for maintaining and enhancing behaviour change campaigns, developed by Metro Vancouver and amplified by member jurisdictions	Thank you for your support.
113	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	•Comment to expand the actions around reuse, beyond just reuse at recycling and waste centres. For example, one municipality is collecting furniture for reuse	Metro Vancouver will consider this feedback during plan implementation.
114	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	•Suggest a summary table for member actions so they are accessible at-a-glance and note what type of intervention is represented (e.g. regulation, education, business change)[CU2.1]	Metro Vancouver will consider this feedback during plan implementation.
115	9-Feb-26	Meeting	Member Jurisdiction	Local government	Member Actions	•Could we relate member actions to targets, noting potential impact? •Request for breakdown of what will make the biggest impact and relate to cost (aim for maximum impact and low investment first) •After plan is approved, develop a summary table to aid with implementation	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets.
116	9-Feb-26	Meeting	Member Jurisdiction	Local government	Regulatory Strategic Approach	•Need for clearer regulatory strategies •Importance of managing construction and demolition materials, including recycled aggregates •Municipalities need to be able to leverage plan actions to drive local progress •Working well: inclusion of regulatory strategy, education actions related to recycling including multi-family, alignment of the approaches with regional district authority, and innovation strategies are appreciated •What's missing: oClear timelines for implementation, especially for mandatory source separation oStronger regulatory strategy overall, including more explicit regulatory tools (e.g. Hauler licensing, generator-level requirements) oClear connection between regional actions and other government level responsibilities oMechanisms for benchmarking and tracking progress that can be adopted by members oMore discussion of advocacy in the strategies and actions •What needs to be strengthened: oCollaboration with and reliance on other regulatory bodies oClearer articulation of actions that fall within regional authority oStronger regulatory tools oMore emphasis on high-impact actions and quick wins oClarity on regional processing capacity for organics and construction and demolition oStronger language in general for firmer commitments oEducational components to accompany regulatory changes •Desire for regulatory options that put pressure on manufacturers •Interest in replicating successes similar to the organics disposal ban •Need for clearer linkage between regulatory priorities and the actions[CU3.1] •Accessibility concerns need to be considered, such as placement of bins •Suggestion to highlight where readers can find actions by other levels of government	Updates to initial draft plan considering member feedback: •Highlighted regulatory priorities in an executive summary for the plan •Clarified where to find actions relating to regulations at other levels of government, including advocacy •Strengthened language throughout the plan
117	9-Feb-26	Meeting	Member Jurisdiction	Local government	Targets/Metrics	•Interest in aligning with municipal metrics and targets where they exist •Many municipalities rely on regional targets and metrics as they do not have local versions •Agreement that the targets feel ambitious but achievable, and even if targets are aspirational, they help the region to progress •Support for per-capita targets •Request for more information on specific pathways (e.g. actions) to achieve targets. How were targets calculated, and describe supporting analysis •Suggest a visual tool or dashboard to track progress towards targets •Responsibility cannot rest solely on consumers or education efforts •Suggest having specific by-sector targets, such as single-family, multi-family, commercial, to help municipalities understand where to focus efforts •Measuring progress is challenging as municipalities do not have access to the necessary data locally •Need to determine who will be supplying data for secondary metrics, and what the responsibility of municipalities will be in collecting that data. Concern about workload and added costs for municipalities to track new metrics. •Suggested modifying the secondary metrics on single use items and food waste to include metrics on the amount found in recycling/organics, to continue to push up the waste hierarchy to waste prevention rather than simply recycling. •Suggestion that secondary metrics should clarify whether it is the number of buildings or number of units (for construction and demolition materials reuse) •Interest in exploring technology such as AI to improve data collection, as measuring performance remains a major challenge	Updates to initial draft plan considering member feedback: •Added clarity that municipalities are not expected to adopt new data collection to support secondary metrics •Updated the secondary metric on organics to include the amount of avoidable food waste in the organics stream. Did not update the secondary metric on single use items as Metro Vancouver does not track single use items in the recycling stream •Added sector-specific targets
118	9-Feb-26	Meeting	Member Jurisdiction	Local government	Dispose Strategy/Action	•In Action 6.1.1 remove reference to greenhouse gas emission offsets, focus on maximizing landfill gas utilization •Consider enhanced actions to address illegal dumping, particularly in relation to it as a member jurisdiction action/role •Support for high level actions under dispose •Action 6.4.4 – Remove reference to City of Vancouver as that appears to have been included in error •Suggest an action to ensure there are easily accessible options for residents to dispose or recycle challenging materials such as drywall •Suggest member action to expand large item pick up programs •Amend Action 6.6.5 to include illegal dumping of construction and demolition waste •Include definition of international waste in the glossary •Need more specifics about the education component for residents to recycle large items as illegal dumping often becomes the alternative. Touched on in 3.2.5 but not specific to education. •It is confusing that some member actions are separated out while other actions that are not designated member actions still involve collaboration with members	Updates to initial draft plan considering member feedback: •Removed reference to GHG emission offsets and City of Vancouver where indicated above •Added definition of international waste •Provided clarity within strategies and actions on the importance of collaboration with members

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
119	11-Feb-26	Meeting	Industry Advisory Committee	Advisory Committee	Targets/Metrics	Most important topics in this area: •Current diversion numbers do not reflect actual recycling and rely heavily on unregulated materials (e.g., concrete, asphalt) that inflate performance. •True residuals and recovery rates are not being measured, resulting in inaccurate reporting and unrealistic targets. •Metrics and targets are not grounded in operational or market reality, creating credibility issues. What needs to be strengthened •Accuracy and transparency of measurements – track what is actually recycled, including residuals leaving facilities and material shipped overseas. •Evidence-based target setting to align targets with physical limits of recyclability and market conditions; acknowledge that realistic diversion rates are in the 20–30% range. •Cost transparency that outlines the cost per tonne or per unit of diversion for proposed initiatives and provide cost–benefit analysis for major actions. •Differentiation between diversion and recovery. Track recovery separately, do not count recovery as success. What's missing •A clear explanation of how targets will be achieved (e.g. sequencing, strategies, or implementation plan) •Tracking and reporting of facility-level residuals, including organics and construction and demolition materials C&D processing. •Analysis of downstream environmental impacts such as organic residual contamination of farmland. •Consideration of affordability impacts, especially on multi-family building residents. •A plan for addressing declining or stagnant recycling markets for plastics, wood waste, and cardboard. •A new baseline methodology that reflects actual conditions rather than aspirational metrics. Other comments •Some participants expressed frustration with having the same conversation about numbers. •Stakeholders voiced concerns that current reporting mimics other jurisdictions but is not ideal for the Metro Vancouver region. •Zero waste is seen as unattainable, and municipal responsibility should focus on efficiency and affordability rather than aspirational targets.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a clear definition for diversion -Added focus areas and how they will help acheive targets Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency and accuracy.
120	11-Feb-26	Meeting	Industry Advisory Committee	Advisory Committee	Recycling and Waste Centre Strategic Approach	Most important topics in this area: •Recognizing and duplicating the United Boulevard model, which is viewed as the regional standard for service quality. •Ensuring recycling and waste centres supports extended producer responsibility EPR integration, reuse opportunities, and access for all residents, including those in high-density areas. What needs to be strengthened •Clear direction on the role of organics at recycling and waste centres and how to integrate commercial organics handling without displacing private sector operators. •Improved planning for equitable access, particularly for dense urban areas where residents cannot drive 30+ minutes to a site. •A more transparent approach to mixed waste processing (is it being considered, what studies exist, and what feasibility looks like, etc.) •Standardization or simplification for extended producer responsibility EPR product handling, including disposal ban enforcement and reducing the burden on haulers. What's missing •A clear articulation of the capacity of existing processors in the region. •A stronger plan for active transportation access to sites, beyond conceptual statements. •Structural barriers to reuse (e.g., scavenging policies) that may need policy adjustments. •A clear regional approach to managing extended producer responsibility EPR materials entering the residual waste stream. Other comments •Want more clarity on how transfer stations fit within the broader system. •Some noted that disposal ban inspectors often put responsibility on haulers, which should shift upstream to generators. •Suggestions were raised about exploring a municipal enforcement bylaw to improve enforcement of sorting at source.	The initial draft solid waste management plan included the following components: -A priority of expanding recycling and reuse at all recycling and waste centres -A section emphasizing accessibility -A discussion of Metro Vancouver's roles -A description of why mixed waste processing is not being considered -Actions referencing increased recycling capacity Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -An action on expanding local organics processing capacity -Revised the solid waste system section for clarity Other suggestions were beyond the scope of the plan and were not incorporated. Scavenging at disposal sites is considered a health and safety risk.
121	11-Feb-26	Meeting	Industry Advisory Committee	Advisory Committee	Residual Management Strategic Approach	Most important topics in this area: •Residual waste management is the largest cost driver in the system and must be managed strategically. •Increasing Rising amount of residuals, especially from multi-family housing, require new approaches to measurement, material separation, and long-term disposal planning. •Ensure that environmental impacts (air emissions, pollutants, hazardous waste) are minimized and controlled. What needs to be strengthened •A clear framework for measuring residuals from all streams (curbside, transfer stations, recycling facilities, and organics processing). •Transparent information about the future of landfill capacity, including Vancouver Landfill timelines, renegotiation requirements, and how diversion affects landfill lifespan. •A financial outline of disposal approaches including projected cost per tonne and long-term financial implications. •Stronger emphasis on resilience, such as managing more residuals within the region to avoid dependence on external jurisdictions. What's missing •The Waste-to-Energy Facility should not be in the plan long-term – the plan does not outline a clear argument for the Waste-to-Energy Facility: why it is included, what purpose it serves, and whether its costs and risks are justified. •Details on hazardous waste management where no extended producer responsibility EPR options exist. •A detailed understanding of the constraints on Vancouver Landfill, including: olevel of accuracy of the 2050 estimated lifespan opost-settlement height limits otonnage thresholds (e.g., 750,000 tonnes) •Explicit listing of contingency landfill options instead of general references to "contingency sources." Other comments •Members want more focus on upstream solutions, such as product design changes informed by waste composition. •Some requested that mixed waste processing be reconsidered given the increasing multi-family waste stream. •Recognition that residuals from organics processing facilities must be accounted for.	The initial draft solid waste management plan included the following components: -A residuals management strategic approach -A guiding principle of environmental stewardship -Rationale why mixed waste processing is not included as an action Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Referenced increasing residuals from multi-family housing construction -Added clarity on the Vancouver landfill -A priority of local solid waste management -Explicit listing of remote landfills used Other suggestions were not incorporated. Residuals are accounted for in statistics regardless of source of origin. Tipping fees, including project increases, are reported to the GVS&DD Board Annually. Metro Vancouver intends to continue using the Waste-to-Energy facility as it continues to be a safe and cost-effective method for managing residual garbage, alongside other disposal options.
122	11-Feb-26	Meeting	Industry Advisory Committee	Advisory Committee	Regulatory Strategic Approach	Most important topic in this area: •The regulatory strategy lacks operational detail, does not reflect industry realities, and may introduce regulation without solving root problems (contamination, system complexity, lack of infrastructure). What needs to be strengthened •Clear explanation of what new regulations would do, how they would improve outcomes, and how benefits outweigh costs. •Greater integration of private sector expertise and clarity on the role of industry in implementing the plan. •Stability and predictability in regulation so private operators can plan investments confidently. •A more realistic understanding of system complexity and how it affects both residents and haulers. What's missing •An appendix or outline of potential regulatory actions being considered. •Consideration of why some residents cannot participate, and how regulatory design could address those barriers. •Explanation of how mandatory source separation or hauler licensing would actually increase diversion. •A realistic acknowledgement of system limitations, including lack of infrastructure for post-collection separation. Other comments •Some felt the strategy appears to reflect input from people who don't understand how waste flows or are not as aware of how the system works •Industry participants felt unheard and that past input was not reflected. •Concerns raised about "mission creep" and excessive red tape. •Emphasis that more regulation will increase system costs, which are already high. •Members noted the need for opportunities for the private sector to innovate, own infrastructure, and deploy technology.	The initial draft solid waste management plan included the following components: -A regulatory strategic approach which outlines priorities but does not commit to implementing specific regulation -A description of Metro Vancouver's role vs. Industry's role -A guiding principle of collaboration and innovation Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clarity on how example regulations would meet strategic priorities -Expanded and clarified the solid waste system overview -Expanded the risk analysis section to discuss factors outside of Metro Vancouver's control Other suggestions were not incorporated. Residuals are accounted for in statistics regardless of source of origin. As the plan does not commit to implementing specific regulatory initiatives, detailed analysis on each has not been completed at this time.
123	12-Feb-26	Email	Public	Public members-at-large	General	•Adopt the Zero Waste Hierarchy and definition. This clear peer-reviewed definition and waste hierarchy will support progressive action. In addition, prioritize waste reduction over recovery.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The solid waste management plan's waste hierarchy prioritizes reduction over recovery.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
124	12-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	•Set ambitious 5 and 10 year targets that are aligned with the Capital Regional District and/or Regional District of Nanaimo. Targets should be for waste generation, reduction, and diversion (recycling and composting, NOT incineration). Measure and work to reduce the climate footprint of materials by including consumption-based emissions with planning and proposed actions.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita. Action 1.4.3. "Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts" considers embodied carbon.
125	12-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	•Commit to phasing out the Burnaby incinerator, which is one of the top 25 point sources of GHGs in BC and emits dioxins, mercury, cadmium, lead, acid gases, NOx, and other pollutants. Also, commit to not building or using any new incineration or thermal treatment facilities.	Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits. No work is underway or planned to investigate additional waste-to-energy capacity.
126	12-Feb-26	Email	Public	Public members-at-large	Rethink Strategy/Action	•Invest in zero waste solutions like redesign, reduce, repair, reuse, composting, and recycling and ensure actions are implemented rather than just tested, encouraged, and piloted. Actions should include: •Waste Prevention: Eliminate unnecessary packaging and prevent food waste. •Reuse and Repair: Make it easier to reuse and repair existing items than buy new ones so usable items do not get thrown out. •Recycling and Composting: Enhance programs to be simple and consistent to ensure clean materials are properly captured. Introduce better waste management programs and services in apartment buildings, businesses, institutions, public places, and industry/construction locations. •Reduce Toxicity: Include actions to decrease the use of toxic materials and the emission of toxic pollutants. •Enforce and Enhance Existing Bans: Implement more inspections, a requirement for clean bags, and mandatory source separation.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Enhanced disposal ban actions
127	12-Feb-26	Email	Public	Public members-at-large	General	•Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be realistically implemented. •Pledge to be transparent by clearly reporting waste performance so the public can see what is working. Do not call waste incineration "recycling" or "diversion," as burning waste creates pollution and ash and should be treated as disposal. •Spend money wisely and invest in the future by choosing solutions that reduce waste without locking the region into expensive disposal systems.	The initial draft solid waste management plan included the following components: -A guiding principle of transparency -Waste-to-energy considered disposal Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more detail on the plan implementation schedule
128	12-Feb-26	Email	Nonprofit organization	Nonprofit organization	General	Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour or more work on reduction.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The solid waste management plan's waste hierarchy prioritizes reduction over recovery. Recovery helps reduce GHG emissions by creating alternatives to fossil fuels, which is considered preferable to disposal.
129	12-Feb-26	Email	Nonprofit organization	Nonprofit organization	Targets/Metrics	Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions. Include consumption-based emissions and life-cycle assessment for materials in strategy and action sections. The plan has a section on "Regional Solid Waste System" but does not include strong commitments for zero waste infrastructure expansion like: reuse centres, repair hubs and textile and building material recovery facilities. The plan needs to commit to infrastructure targets along with budget and implementation timelines.	Targets were set based on current waste composition data and are meant to be ambitious but achievable. Action 1.4.3. "Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts" considers embodied carbon. The Recycling and Waste Centre strategic approach considers expanding reuse to all facilities. Metro Vancouver supports the development of the other types of facilities suggested, but these types of facilities are typically developed by the private sector.
130	12-Feb-26	Email	Nonprofit organization	Nonprofit organization	Dispose Strategy/Action	Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage.
131	12-Feb-26	Email	Nonprofit organization	Nonprofit organization	Rethink Strategy/Action	Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include: •Waste prevention such as cutting unnecessary packaging and preventing food waste. •Reuse and Repair -making it easier so unusable items do not get thrown out. •Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services. •Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution •Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Enhanced disposal ban actions
132	12-Feb-26	Email	Nonprofit organization	Nonprofit organization	Financial Overview	Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented. Pledge to be transparent – report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal. Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.	The initial draft solid waste management plan included the following components: -A guiding principle of transparency -Waste-to-energy considered disposal Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more detail on the plan implementation schedule
133	12-Feb-26	Email	Nonprofit organization	Nonprofit organization	General	The plan acknowledges collaboration with First Nations but doesn't set measurable co-governance outcomes.	Metro Vancouver notes that BC's Declaration Act Action Plan identifies First Nations participation on regional district boards as an item that will be advanced by the Ministry of Housing and Municipal Affairs. Metro Vancouver has been in close communication with the Ministry on this work and looks forward to receiving further direction and information regarding the legislative changes to the Local Government Act that are required to support a change to Board membership for First Nations.
134	12-Feb-26	Email	Public	Public members-at-large	General	•Adopt the Zero Waste Hierarchy and definition. This clear peer-reviewed definition and waste hierarchy will support progressive action. In addition, prioritize waste reduction over recovery.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The solid waste management plan's waste hierarchy prioritizes reduction over recovery.
135	12-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	•Set ambitious 5 and 10 year targets that are aligned with the Capital Regional District and/or Regional District of Nanaimo. Targets should be for waste generation, reduction, and diversion (recycling and composting, NOT incineration). Measure and work to reduce the climate footprint of materials by including consumption-based emissions with planning and proposed actions.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita. Action 1.4.3. "Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts" considers embodied carbon.
136	12-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	•Commit to phasing out the Burnaby incinerator, which is one of the top 25 point sources of GHGs in BC and emits dioxins, mercury, cadmium, lead, acid gases, NOx, and other pollutants. Also, commit to not building or using any new incineration or thermal treatment facilities.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage.
137	12-Feb-26	Email	Public	Public members-at-large	Rethink Strategy/Action	•Invest in zero waste solutions like redesign, reduce, repair, reuse, composting, and recycling and ensure actions are implemented rather than just tested, encouraged, and piloted. Actions should include: •Waste Prevention: Eliminate unnecessary packaging and prevent food waste. •Reuse and Repair: Make it easier to reuse and repair existing items than buy new ones so usable items do not get thrown out. •Recycling and Composting: Enhance programs to be simple and consistent to ensure clean materials are properly captured. Introduce better waste management programs and services in apartment buildings, businesses, institutions, public places, and industry/construction locations. •Reduce Toxicity: Include actions to decrease the use of toxic materials and the emission of toxic pollutants. •Enforce and Enhance Existing Bans: Implement more inspections, a requirement for clean bags, and mandatory source separation.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Enhanced disposal ban actions

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138	12-Feb-26	Email	Public	Public members-at-large	General	•Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be realistically implemented. •Pledge to be transparent by clearly reporting waste performance so the public can see what is working. Do not call waste incineration "recycling" or "diversion," as burning waste creates pollution and ash and should be treated as disposal. •Spend money wisely and invest in the future by choosing solutions that reduce waste without locking the region into expensive disposal systems.	The initial draft solid waste management plan included the following components: -A guiding principle of transparency -Waste-to-energy considered disposal Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more detail on the plan implementation schedule
139	12-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	We all know that the highest tiers of the Zero Waste Hierarchy are to redesign, reduce, repair, reuse, and recycle (including composting). I did not see any clear commitments to these tiers except for some weak language to encourage these actions. Metro Vancouver has advertised itself as a leader in Zero Waste and it is time to walk the talk. The targets are not good enough.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Enhanced disposal ban actions
140	12-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	How is Metro Vancouver a leader when Capital Regional District and the Regional District of Nanaimo are doing better? Targets should be for waste generation reduction and diversion. And diversion does not include burning of material!	Targets were set based on current waste composition data and are meant to be ambitious but achievable. Diversion does not have an industry standard definition. In the context of this plan, it includes both recycling and recovery.
141	12-Feb-26	Email	Public	Public members-at-large	Residual Management Strategic Approach	Metro Vancouver needs to actually enforce existing bylaws to prevent so many materials from going to landfill or incineration. That doesn't just help with moving us towards a goal of Zero Waste, but saves us so much money by prolonging the lifespan of our disposal infrastructure. As a taxpayer, I don't want to be wasting my money on upgrading an old incinerator that spews toxic pollution when all those billion of dollars could have gone towards preventing things from going into the garbage in the first place. Put funding and staff into real solutions for Zero Waste, like infrastructure for local reuse, repair, recycling, and composting. Imagine all the things we can do with that money that is currently earmarked for the incinerator. Metro Vancouver could be a world leader in Zero Waste. That's what we asked for in the engagement sessions, but it seems like our voices were ignored.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Enhanced disposal ban actions
142	12-Feb-26	Email	Public	Public members-at-large	General	I am a proponent of the Provincial government's hierarchy for solid waste management – that the first line of attack should be to reduce the amount and toxicity of the waste that enters the solid waste management program, followed by reuse, recycle and lastly, recovery and residuals management.	The solid waste management plan's waste hierarchy is very similar to that of the province but adds an additional R: "Rethink" which aims to design waste out in the first place.
143	12-Feb-26	Email	Public	Public members-at-large	General	That high schools be outfitted with commercial kitchens. Currently in Burnaby, only 1/8 high schools have a commercial kitchen. If high schools and larger elementary schools had commercial kitchens, they could cook/prepare nutritious food on site and serve the food on china plates that can be reused indefinitely instead of bringing in food from outside sources in plastic containers. Also, school kitchens could serve the type and amount of food that each student actually wants to eat, thereby generating less food waste.	Metro Vancouver supports reuse and food waste reduction initiatives and will consider this feedback during implementation.
144	12-Feb-26	Email	Public	Public members-at-large	General	I notice when I shop at Safeway nowadays, they put a label on the packaged food that says if the product is very high in sugar and/or salt (see bran muffins, for example.) It deters me from buying those products. Since it is difficult to see if there is a recycling symbol on plastic packages while at the store when the food is in the package, I would like to see a label on packages to say if the package is recyclable or not so that I can avoid the non-recyclable packages. This goes for food outlets and delivery services too.	Strategy 4.5 is to "Make recycling more effective by simplifying sorting." This includes several actions with a similar intention of what has been suggested.
145	12-Feb-26	Email	Public	Public members-at-large	Accessibility and Inclusion	4. In Burnaby, we do not yet have curbside pick up for soft plastics. This should be happening. Currently, I take my soft plastics to Still Creek Eco Centre. However, I am told that the three companies that pick up soft plastics all do different things with it – one sends it to the dump, one sends it overseas and one turns it into pellets. I believe the only reasonable solution is pelletizing. 5. In Burnaby, food scraps are picked up at the end of my street in the early morning on Tuesdays. It is inconvenient for me (a retired senior) to get dressed and run up the street in all kinds of weather to deposit my food scraps in the bin before 8:00 a.m. I therefore take my food scraps to Still Creek Eco Centre where they put it with the grass clippings. I think more people would recycle their food scraps if it was more convenient to do so (i.e.. if they didn't have to do this first thing in the morning or drive to a central location).	Thankyou for your feedback. We will share this with the City of Burnaby.
146	12-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	I also wish to address Recovery and Residuals Management. I am very opposed to the current plan of continuing to burn solid waste at the Metro Vancouver incinerator. I oppose this plan because: 1. the Metro Vancouver incinerator emits a lot of greenhouse gases. I am advised that it is one of the top 25 GHG source emitters in the Province. 2. the incinerator emits toxins such as dioxins, cadmium, mercury, lead, acid gases and nitrogen oxide gases that are not being captured. It saddens me to think these are being emitted over the Fraser Foreshore ecological reserve, as well as being distributed more widely. 3. I believe the incinerator is an obstacle to reducing waste. It runs on waste. It therefore disincentivizes cities to reduce, reuse and recycle. 4. The incinerator is past its expected lifespan and it will take millions of dollars and energy to keep it going. I believe this to be a huge waste of taxpayers' money. 5. I do not think the burning of waste should be considered recycling. It is not. It generates GHGs, harms our atmosphere and generates toxic materials. There needs to be greater public transparency on this issue. I believe it is tempting for politicians who are trying to get "quick and easy wins" on the environment front to look for one or two large projects that they think will make them look like they are effectively addressing climate change and the pollution of our environment. In considering the future of the incinerator, I hope that decision makers will look at the whole picture – that they will weigh the negatives of continued use of an incinerator vs. the benefits that can be obtained in terms of cheap thermal or steam energy as compared with solar energy with hydro-electric back up.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
147	12-Feb-26	Email	Public	Public members-at-large	Rethink Strategy/Action	I would like to see more exploration of solar energy and a lot more politicians rolling up their sleeves on the important work of reducing, reusing and recycling. This work is not easy. It requires the Province and local governments to be innovative and collaborative with public institutions, businesses and ordinary citizens.	The Zero Waste Committee, which consists of local elected officials, has been involved in approving various components of this plan, including goals to rethink, reduce, reuse and recycle.
148	13-Feb-26	Email	Nonprofit organization	Nonprofit organization	General	Please consider using the Zero Waste Hierarchy 8.1 definitions. Perhaps start with: "Refuse" at step 1. Things people don't buy don't become waste. Perhaps insert: "Repair" between "Reuse" and "Recycle". This could include more emphasis on the "right to repair" and support for that in Metro Van as well as support for the Repair Cafes Program. This is mentioned later in the report. As much as possible we should be eliminating waste "upstream". Waste management is not a policy or practice that happens in isolation of other decisions made by government, industry and individuals that either prevent or create waste. Consider separating out construction material which can be reused/recycled from packaging which can be recycled and from "waste". Construction operators/sites should be mandated to sort all their garbage just like households. A lot of wood that is good for small projects gets thrown away.	The initial draft solid waste management plan included the following components: -A glossary of definitions developed based on provincial or industry definitions where available -An emphasis on waste prevention -Several actions to encourage construction and demolition waste reduction The hierarchy includes repair as a component of a reuse.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
149	13-Feb-26	Email	Nonprofit organization	Nonprofit organization	General	Eliminate incineration. This is just a way of adding more CO2 and other toxic gases to the air and many of the products of burning organic material with plastic are toxic and cause cancer. We don't need these added to our already polluted environment. We also do not need heavy metals aerosolized and then precipitating in the airshed of waste incinerators. Incineration should not be in the plan. (page 9 "6. Dispose (waste to energy…) Recovery of materials is not the same as generating energy (and pollution). Strategy 5.1 puts these two options together when really they are quite different. Some form of physical or chemical reprocessing to create new raw materials is quite different than incineration where heat is used to generate electricity but where emissions of GHG's and toxins also occurs. Same for 5.2. This is alluded to in "Table 6: Technical Criteria for Evaluation Residual Waste Management Options" (Environmental) (Social - potential impact on public health) (page 54) Thus 6.1.2.2 "exploring options to further reduce emissions and increase environmental monitoring" of the Waste-to-Energy(-and-Emissions) facility is of critical importance. Waste management should have to abide by the precautionary principle and protective action should be the norm rather than waiting for proof of harm and then acting after the fact.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
150	13-Feb-26	Email	Nonprofit organization	Nonprofit organization	Targets/Metrics	In reality we need to reduce the absolute amount of waste, not just the per capita amount of waste. This will mean more ambitious targets which could be met by preventing waste form n=being generated in the first place. The Waste Management Team needs to be talking up to the Metro Van Board about absolute reductions in waste. This means changing regulations about packaging materials. We want a cleaner world not just a world that's less dirty per capita. It would be nice to see some hard numbers for per capita and total waste by category on pages 7 and 8. Also, Figure 4 (page 16) should have the total amount not just the per capita amount. The waste is filling up the environment which is a fixed space. The total amount of waste is what matters. This data may be in the Appendixes which I did not review in detail but I think it is important enough to deserve a summary graph in the main report.	The plan references that metrics will be reported both per capita and absolute.
151	13-Feb-26	Email	Nonprofit organization	Nonprofit organization	Circular Economy	There is a lot of "Advocacy" for the steps in the "circular economy" but what are we actually going to do. One thing that's needed is at source sorting of waste into all the different types of materials that can be reused and recycled. Most people who have curb/lane pick up of garbage, recycling and compost don't sort their garbage and take what can go to the Zero Waste depot to the depot. this means all this composite of theoretically repurposable material ends up mixed together and goes to the landfill. There needs to be better recognition and use of the Zero Waste depot(s) and some incentive to use tis service to reduce waste.	Strategy 4.5 of the plan is "Make recycling more effective by simplifying sorting." These actions aim to make it easier to separate materials to reduce waste. Reycling and Waste Centres provide opportunities for residents to drop off recyclable and reusable material.
152	13-Feb-26	Email	Nonprofit organization	Nonprofit organization	Regulatory Strategic Approach	I don't see a "Table 3B: Proposed Regulations" to complement "Table 3: Existing Regulations". (page 41) What if all of the services were covered by taxes with free use of reuse, repair, repurpose, recycle, reprocess facilities by citizens who properly sort their waste? What if these facilities existed and were staffed by knowledgeable and helpful Metro Van employees such that funding for this quality of service which would help us all maintain a healthy environment with less waste became the normal form of our behaviour? This is alluded to in "Table 4: Regulatory Priorities" (row 6) (page 44) and "Table 5: Recycling and Waste Centre Priorities" priority #2 (page 49). It would be nice to see some specific ideas about how this could be done.	The best practices section of the Recycling and Waste Centre Priorities is meant ot provide specific ideas of how the outcomes will be acheived. Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided clear linkages between regulatory priorities and example future regulatory enhancements.
153	13-Feb-26	Email	Nonprofit organization	Nonprofit organization	Risk Analysis	I find it interesting, sad and somewhat disturbing that there is only one small paragraph on "Risk Analysis" (page 61). Anything from the Technosphere that ends up in the biosphere is a long-term health hazard to our children and all future generations. Many compounds/chemicals that have been tossed "away" are now known to cause birth defects, disrupt hormone systems and affect male fertility and pregnancy, cause chronic inflammatory/immune diseases, and cause cancer. These compounds bioaccumulate. This means that they concentrate up the food chain. We (humans) are near the top and thus susceptible victims of our own poisoning of the environment. This realization must underpin the overall approach to waste management, which, in reality, is what do we do with the toxic stuff from the Technosphere (fossil fuels, petrochemicals, plastics, metals). The best answer is not to produce the waste in the first place.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Risk analysis section has been expanded -A description of how actions were assessed, including environmental criteria, has been added to the strategies and actions section
154	13-Feb-26	Email	Nonprofit organization	Nonprofit organization	Plan Monitoring	The Committees listed in Table 8 (page 62) need members of the public and environmental scientist representatives as members, as well as industry and elected officials.	-Provided clear linkages between regulatory priorities and example future regulatory enhancements.
155	13-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	Reduce solid waste is the primary goal, include better education and increased penalties, year by year. Recycle and compost. Eliminate burning and be transparent annually on status of progress. Assertive reduction targets for the near future, based on those of the Capitol Regl. Dist. and Nanaimo.	Reducing waste generation, increasing diversion, reducing waste disposal, and reducing greenhouse gas emissions are the primary goals of the plan. Several actions within the plan speak to better education, recycling and compost. Transparency is a guiding principle of the plan. 2036 targets have been added.
156	13-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	Burnaby incinerator - reduce use immediately and aim towards decommission in near future.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage.
157	13-Feb-26	Email	Public	Public members-at-large	Residual Management Strategic Approach	Commit to a timeline and budget. Align current plans with a long future vision of functioning with minimal solid waste and simpler systems..	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview section -Provided more detail on schedule -Linked focus areas to achieving targets
158	13-Feb-26	Email	Public	Public members-at-large	Regulatory Strategic Approach	Endorse and act to implement suggestions by zero waste BC •Eliminate unnecessary packaging and prevent food waste. •Reuse, repair, maintain and upgrade. In local tech hubs. Lobby to penalize manufacturers of short-life products. •Recycle and compost - simple and consistent programs. Multifamily, business, institutions, industry and construction locations need to have better programs and services. Lobby to maintain existing buildings if at all possible. •Reduce toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution •Enforce and enhance existing bans with more inspections, a requirement for clean bags and mandatory source separation.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -added clear bags as an option to enhance disposal ban inspection efficiency
159	14-Feb-26	Email	Public	Public members-at-large	General	1.Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour or more work on reduction.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The solid waste management plan's waste hierarchy prioritizes reduction over recovery.
160	14-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	2.Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan. 5.Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions. 7.Pledge to be transparent – report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.	The initial draft solid waste management plan included the following components: -Transparency as a guiding principle Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita. Action 1.4.3. "Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts" considers embodied carbon.
161	14-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	3.Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
162	14-Feb-26	Email	Public	Public members-at-large	Rethink Strategy/Action	4.Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include: - Waste prevention such as cutting unnecessary packaging and preventing food waste. - Reuse and Repair -making it easier so unusable items do not get thrown out. - Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services. - Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution - Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Enhanced disposal ban action include clear bag policies as on of the approaches to potentially pursue

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
163	14-Feb-26	Email	Public	Public members-at-large	Financial Overview	6.Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented. 8.Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more details on implementation schedule -Expanded the financial overview
164	16-Feb-26	Email	Public	Public members-at-large	General	For this reason, please consider closing the Burnaby burning facility as soon as possible, and find different ways to deal with the garbage. Currently this facility alone is responsible for a large percentage of all emissions from the whole province. Instead of putting more money to fix it, please create a commission and pay them to figure out a good way to deal with the remnants of our society. There are better ways to generate energy at this day and age.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
165	16-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	My other suggestion is, improve your goals. We must tighten the belt while there is still time. Some other Districts have stricter goals, and are working hard toward them. Please send a sign to the students that you care enough to make difficult decisions. Make smaller targets closer. For instance, 2030, 2035, 40, and then 50. Because for the kids and anyone paying attention, it is disheartening to see goals set in the Paris agreement not only ignored, but the country's emissions actually ramp up and increase.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita.
166	16-Feb-26	Email	Public	Public members-at-large	General	Thank you for creating an Initial Draft Solid Waste Management Plan. I support the 7 principles of your draft plan. In addition, I have the following feedback: 1.Please commit to phasing out the Burnaby incinerator. This is a 38 year old facility that will require significant capital upgrades and maintenance if it is not retired soon. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 BC sources of climate pollution (it's a carbon bomb!) and a big releaser of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx which are carried on the wind into my city of New Westminster. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
167	16-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	2.Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for short terms, like five years (2032) and ten years (2037), and not only in the future beyond the time frame of the plan. 3.Pledge to be transparent – report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.	The initial draft solid waste management plan included the following components: -Transparency as a guiding principle Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita.
168	16-Feb-26	Email	Public	Public members-at-large	Rethink Strategy/Action	4.Work to implement the following actions: -Waste prevention such as cutting unnecessary packaging and preventing food waste. Support organizations that are working to rescue food so it is not wasted. •Reuse and Repair -making it easier so unusable items do not get thrown out. •Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Our New Westminster Secondary School's waste separation is so contaminated that all of the waste is thrown in the garbage. Provide education and/or penalties to solve this problem. •Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution •Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -added clear bags as an option to enhance disposal ban inspection efficiency
169	16-Feb-26	Email	Public	Public members-at-large	General	1. Use the Zero Waste Hierarchy and definition* in the plan. A peer-reviewed definition and hierarchy drives progressive action. Eliminate the goals for recovery in favour of more work on reduction. *Zero Waste Hierarchy and definition: The Conservation of all resources by means of responsible production, consumption, reuse, and recovery of all products, packaging, and materials without burning them and with no discharges to land, water, or air that threaten the environment or human health.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
170	16-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, NOT burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan. 5. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions. 6. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented. 7. Be transparent: Report waste performance clearly so the public can see what works. Burning waste creates pollution and ash and should be treated as disposal (NOT "recycling" or "diversion").	The initial draft solid waste management plan included the following components: -Transparency as a guiding principle Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita. -Provided more detail on implementation schedule Action 1.4.3. "Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts" considers embodied carbon.
171	16-Feb-26	Email	Public	Public members-at-large	General	3. Phase out the Burnaby incinerator, one of the top 25 point sources of GHGs in the province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
172	16-Feb-26	Email	Public	Public members-at-large	Rethink Strategy/Action	4. Invest in zero waste solutions: Redesign, reduce, repair, reuse, compost and recycle. Include: - Waste prevention, like preventing food waste and unnecessary packaging. - Reuse and Repair, so unusable items don't get thrown out. - Recycle and Compost in multifamily, business, institutions, industry and construction. - Reduce toxicity. - Enforce and enhance existing bans with more inspections, a requirement for clean bags, and mandatory source separation.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -added clear bags as an option to enhance disposal ban inspection efficiency
173	16-Feb-26	Email	Public	Public members-at-large	Financial Overview	8. Spend wisely and invest in the future: Choose solutions that reduce waste without locking the region into expensive disposal systems.	Affordability is a guiding principle and will be considered in all aspects of plan implementation.
174	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Targets/Metrics	1. Clear Targets That Measure Real Zero Waste Outcomes What the Plan Should Do The Plan must include clear, measurable targets aligned with the Zero Waste Hierarchy: ● Sector Specific: Each sector (Residential, IC&I, C&D) must have its own diversion targets and not one aggregate target for the region. ● Waste reduction: Reduce per-capita municipal solid waste generation by 15 percent by 2036, relative to a 2023 baseline, with interim targets. ● Zero Waste performance: Zero Waste targets under this Plan are achieved through waste reduction, reuse, and diversion, with diversion limited to source-separated recycling and composting only. ● Disposal reduction: Reduce per-capita disposal by at least 50 percent by 2036.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added sector specific diversion targets -Added 2036 targets Other suggestions were not incorporated. Some targets presented were unrealistic in a 10 year timeframe. Recycling is differentiated from diversion, which includes recovery. Recovery is preferred over disposal.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
175	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Targets/Metrics	2.1 Separate Reporting of Waste Streams The Plan requires that the following waste streams are measured, tracked, and reported separately: ● Residential Solid Waste ● Industrial, Commercial, and Institutional (IC&I) ● Construction and Demolition (C&D) C&D waste must never be aggregated with residential or IC&I diversion rates. 2.2 What Counts Toward Diversion Diversion is intentionally defined narrowly. Counts toward diversion: ● Source-separated third-party reuse ● Source-separated recycling, defined as: The reprocessing of source-separated materials into new products, materials, or substances for their original or similar purpose, in a manner that displaces the use of virgin materials. Recycling does not include processes that convert materials into fuels, energy, or products used primarily for energy recovery or disposal ● Source-separated composting or anaerobic digestion Does not count toward diversion: ● Recycling or composting of materials recovered from mixed waste ● Post-residual sorting ● Stabilization of organics after disposal ● Metals Recovered from Incineration Ash ● Incineration ash incorporated into concrete or other materials ● Combustion or fuel substitution (e.g.: refuse derived fuel, chemical processing of plastics to fuel) 2.3 Treatment of Recovery Recovery must be reported as disposal because it occurs only after materials have failed to be captured through source-separation. Recovery includes post-residual sorting, recovery of metals from ash, and stabilization of organics after disposal. Under this Plan: ● Recovery is maximized to reduce environmental harm. ● Recovery is tracked as a diagnostic indicator. ● Recovery is reported as disposal for performance measurement	Aggregated diversion rates provide a helpful overall snapshot of progress, while per sector rates are still provided. Diversion does not have a standardized definition in Canada. In the context of this solid waste management plan it includes both recycling and recovery. Recovery helps reduce GHG emissions by creating alternatives to fossil fuels, which is considered preferable to disposal.
176	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	General	2.4 Energy Recovery and Combustion-Based Pathways All combustion-based management of waste is classified and reported as disposal, regardless of where combustion occurs or how fuel is prepared. This includes waste-to-energy, energy-from-waste, refuse-derived fuel (RDF), and fuel substitution. These pathways do not count toward diversion or Zero Waste targets, and must never be counted as material recovery.	Recovery helps reduce GHG emissions by creating alternatives to fossil fuels, which is considered preferable to disposal.
177	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	General	2.5 Stabilization of Organics Biological stabilization of organics is supported as a pollution control measure where source-separation fails. However: ● Stabilization alone does not count toward diversion. ● Only source-separated organics processed through legitimate composting or anaerobic digestion pathways count toward diversion.	Biological stabilization of organics is not considered in the draft plan.
178	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reduce Strategy/Action	3. Waste Reduction (Metro Vancouver-Controlled Priorities) Waste reduction delivers the greatest environmental and financial benefits and relies on tools that Metro Vancouver can directly control through regulation, service requirements, enforcement, and targeted investment. The Priority actions within Metro Vancouver's control are described in detail below:	Metro Vancouver agrees that rethinking and reducing waste are the highest priorities, as reflected in the waste hierarchy for the plan.
179	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reduce Strategy/Action	3.1 Enforcement-led reduction using disposal bans as a true front-end control Use disposal bans to prevent recoverable materials from entering the disposal system, not to justify downstream correction. ● Mandate use of clear bags. ● Increase inspections and consequences (linked to Section 6). ● Require repeat offenders to submit a compliance plan with specific corrective actions and timelines. ● Use inspection data to target high-impact generators and sectors for follow-up.	The initial draft solid waste management plan included the following components: -Action 4.8.4, Explore the potential to increase the number of disposal ban inspections Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -added clear bags as an option to enhance disposal ban inspection efficiency Other suggestions could be considered under options explore to enhance the disposal ban.
180	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reduce Strategy/Action	3.2 Multi-family reduction program at scale Multi-family is a large, controllable opportunity where service gaps and inconsistent standards drive disposal. ● Require organics and recycling service for multi-family with minimum service standards and clear timelines. ● Require building-level performance measures (set-out rates, contamination, and disposal per unit). ● Fund building supports that directly reduce disposal: signage packages, caretaker training, and initial on-site audits.	The initial draft solid waste management plan included the following components: -A regulatory priority of increasing reuse and recycling, and reducing barriers to participation -Many actions with a multi-family focus Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Increasing access to organics and ercycling services for multi-family residents, businesses, and institutions has been highlighted as a focus area of the plan Other suggestions were not incorporated.
181	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reduce Strategy/Action	3.3 Food waste prevention and redistribution enablement Prevention is of higher value than processing. Metro Vancouver can enable prevention through targeted partnerships and standards. ● Expand support for food waste prevention and redistribution partnerships (best before handling, safe donation logistics). ● Require large generators with high organics volumes to implement prevention practices before relying on organics processing. ● Report prevention results as avoided tones and avoided disposal costs.	The initial draft solid waste management plan included the following components: -Actions on circular food systems -A strategy on scaling up food waste recovery Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanding efforts to prevent disposal of valuable food and organics has been highlighted as a key focus area of the plan Other suggestions were not incorporated as they would require significant additional authority, resources, or expenditures beyond what is already contemplated in the plan.
182	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reduce Strategy/Action	3.4 Public events and venues: minimum prevention and reuse standards Large events are visible, controllable, and can set regional norms. ● Require reuse service plans for major permitted events (cups, dishware, and service ware). ● Require organizer reporting on waste generation, separation performance, and contamination. ● Use a simple compliance ladder: education, conditions on permits, then penalties for repeat failures.	The initial draft solid waste management plan included the following components: -Action 3.4.3 Collaborate with event organizers, event venues, and institutions to implement reuable food service ware, bag reuse programs, and food recovery. -Action 3.4.4. Metro Vancouver and member jurisdictions will collaborate to: Develop, test, and share best practices for waste reduction and recycling for public realm events, prioritizing surplus food resdistribution, use of reusable food serviceware, and litter reduction. The suggestions provided could be explored as part of these actions.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
183	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reduce Strategy/Action	3.5 Economic signals that reward prevention and penalize repeated disposal of banned materials Metro Vancouver can realign incentives through disposal pricing and generator accountability. ● Use disposal surcharges for loads with banned materials or non-inspectable bagging patterns, consistent with inspection protocols. ● Align tipping fee structures to reward clean source-separation and penalize mixed disposal. ● Use generator-facing charges where applicable to shift costs toward preventable material in the garbage stream. ● Report avoided tonnes tied to specific programs (multi-family supports, event standards, food prevention). ● Publish annual results by sector (Residential and IC&I) so underperformance cannot be masked by C&D.	Annual results are published by sector in the annual report. The initial draft solid waste management plan included the following components: -Action 4.8.1 Explore options to enhance disposal ban such as innovative technology and solutions -Action 4.8.2 Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency -Added a section on the user-pay principle Avoided tonnes may be reported by initiative but are not considered a secondary metrics of the plan.
184	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reduce Strategy/Action	3.6 Track and report avoided waste Reduction must be visible. The Plan must track avoided waste as a core performance indicator. ● Report per-capita generation, in addition to per-capita disposal.	The initial draft solid waste management plan included the following components: -A primary metric of per-capita generation Avoided tonnes may be reported by initiative but are not considered a secondary metrics of the plan.
185	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Financial Overview	Metro Vancouver should establish an Upstream Investment Envelope inside Solid Waste Services and report it transparently. ● Create a dedicated annual envelope for reduction and reuse programs with a minimum share of the Solid Waste Services budget, increasing over time. ● Fund the envelope through a mix of reallocation from downstream programs, generator levy revenues, and avoided disposal costs as performance improves. ● Tie funding to measurable deliverables: enforcement activity, compliance improvements, avoided tonnes, and sector-specific performance. Metro Vancouver should allocate a stable share of upstream funding to reuse and repair as long-term cost control. ● Use the Upstream Investment Envelope to provide predictable multi-year funding for reuse hubs and repair networks. ● Fund only outcomes that are verifiable (items reused, tonnes captured, participation, and reduced bulky disposal). ● Prioritize initiatives that reduce disposal volumes and contamination pressures on recycling and organics systems.	The Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics. Annual reporting will indicate how funds were allocated to Solid Waste Management Plan initiatives including corresponding metrics on the effectiveness of each, such as progress toward plan targets and improvements in secondary metrics. This reporting strategy will assist in prioritizing funding and informing where investments can be most strategically allocated.
186	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reuse Strategy/Action	4.1 Regional reuse infrastructure program (hubs and collection channels) Metro Vancouver should support a network of reuse hubs focused on high-volume categories that drive disposal. ● Bulky goods and furniture capture (reduce bulky disposal and illegal dumping). ● Textiles and household goods capture with clear sorting standards. ● Building materials capture in coordination with municipalities and private operators. Metro Vancouver can enable this through siting support, partnership agreements, and targeted grants tied to tonnage captured and verified reuse outcomes.	The initial draft solid waste management plan included multiple strategies focusing on expanding reuse in the region. The concept of reuse hubs is supported and complementary to the reuse actions specified in the plan, however not explicitly noted as a priority.
187	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reuse Strategy/Action	4.2 Repair and refurbishment network scaling Repair extends product life and reduces waste generation. ● Expand repair events and permanent repair capacity through small grants, space access, and promotion. ● Support refurbishment pathways for electronics and durable goods through partnerships and standards for safe handling. ● Advocating for repair and refurbishment as a key part of provincial and federal regulations.	The initial draft solid waste management plan included the following components: -Strategy 3.3 Increase reuse of building materials -Action 3.5.4 Metro Vancouver and member jurisdictions will collaborate to facilitate opportunities to increase the size, number, and frequency of repair and reuse events such as community garage sales, repair cafes, and clothing swaps. -Multiple reuse and repair advocacy actions The suggestions offered are complementary to what is in the plan, and while not explicitly listed as priorities could be considered during implementation to further advance the goals of the plan.
188	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reuse Strategy/Action	4.3 Deconstruction and building material reuse enablement Metro Vancouver can support municipal deconstruction policies by enabling markets and pathways. ● Work with municipalities to standardize salvage expectations where feasible. ● Support aggregation and resale channels so salvaged materials have reliable markets. ● Licensing all C&D material service providers and tracking all material flows from C&D to ensure accountability. ● Track outcomes separately from C&D diversion to avoid inflating Residential or IC&I results.	C&D is reported separately in annual reports, as well as presented in an overall regional number. The initial draft solid waste management plan included the following components: -Strategy 3.1 Support consistent approaches to reuse, which includes house relocation and deconstruction programs -Strategy 3.3. which contemplates strengthening markets Changes to the licensing framework would require a separate, dedicated engagement process beyond the scope of the plan update.
189	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reuse Strategy/Action	4.4 Reuse-first procurement leadership and standards Metro Vancouver should lead by example and normalize repairable and reusable products. ● Adopt internal procurement standards favoring refurbished and repairable products where feasible. ● Incorporate the reuse of materials into Metro Vancouver procurement, with a focus on C&D materials. ● Encourage member municipalities to adopt similar standards and share templates.	The initial draft solid waste management plan included the following components: Metro Vancouver and member jurisdictions will collaborate to: 1.3.5. Develop, test and share circular procurement approaches, tools and templates The suggestions offered are complementary to this action, and while not explicitly listed as priorities could be considered during implementation to further advance this action.
190	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Reuse Strategy/Action	4.5 Measurement: track reuse separately Reuse should be reported as a distinct performance line item, not blended into recycling or diversion totals. ● Track verified reuse tonnage and participation indicators. ● Report reuse separately by sector and program area. ● Use reuse metrics to support funding decisions and program scaling.	The initial draft solid waste management plan included the following components: -A secondary metric for tonnes measurable reuse -Several additional reuse participation indicators Reuse is not considered diversion and is reported separately. Reuse metrics are broken down into sectors and program areas, and are used to support decisions.
191	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Recycle Strategy/Action	The Plan must require recycling and organics service for: ● Multi-family residential buildings ● Commercial, institutional, and industrial properties The plan should also provide support for these changes such as signage, information and technical assistance. Minimum service standards and clear compliance timelines are required to support disposal bans and Zero Waste targets.	The initial draft solid waste management plan included the following components: -A regulatory strategic approach priotizing increasing reuse and recycling, and reducing barriers to participation -Example regulatory enhancements including mandatory source separation and hauler licensing including mandatory source separation and separate management of streams -Several actions supporting education, signage, information and technical assistance for residents. Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clearly demonstrated linkages between example regulations and regulatory priorities -Strengthened language on advancing source separation Other suggestions were not incorporated.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
192	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Regulatory Strategic Approach	6. Strengthened Disposal Bans and Inspection Quality (A Core Zero Waste Delivery Mechanism) 6.1 The Core Problem Disposal bans rely on inspections, yet current practices cannot meaningfully inspect opaque or non-transparent bags. Bagged waste routinely passes without review, creating a systemic enforcement loophole that undermines both effectiveness and fairness. 6.2 Required Changes The Plan must close the bagging loophole and raise inspection quality through: ● Inspectability as a condition of disposal: require loads to be reasonably inspectable using transparent bag requirements, bag limits, or loose loading requirements where appropriate, and treat non-inspectable loads as presumptively non-compliant. ● Standardized inspection protocols: random bag opening using approved safety procedures, designated inspection areas, and clear thresholds for rejection, surcharge, or follow-up. ● Clear responsibility: generators ensure compliance and inspectability, haulers flag problematic loads, and disposal facilities enforce outcomes. ● Strategic use of data: track inspection outcomes by sector and material type, report publicly, and use results to target enforcement and service gaps.	The initial draft solid waste management plan included the following components: -Strategy 4.8 Enhance approaches to Metro Vancouver's disposal ban program Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as a potential method to enhance disposal ban efficacy Other suggestions were not directly incorporated, but can be considered as other potential options to enhance disposal ban inspection efficacy.
193	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	Dispose Strategy/Action	7. Disposal and Infrastructure Alignment The SWMP must align infrastructure planning with waste reduction by: ● Committing to the phase-out of the Burnaby incinerator within the planning horizon. ● Avoiding new "must-run" disposal capacity. ● Using flexible landfill capacity for true residuals, so the region pays for what it needs as disposal declines.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Any additional disposal capacity will consider the residuals technical criteria presented in the residuals management strategic approach, however no new capacity is contemplated over the life of the plan. Actions within the plan speak to optimizing local disposal facilities.
194	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	General	Summary Rules Applied Throughout the Plan ● Zero Waste targets are achieved through waste reduction, reuse, and diversion, with diversion limited to: source-separated 3rd party reuse, recycling, and composting only. ● Waste streams are reported separately (Residential, IC&I, C&D). C&D is not aggregated into Residential or IC&I diversion. ● Material recovery is maximized but reported as disposal. ● Combustion-based pathways, including RDF and energy-from-waste, are disposed of (and phased out). ● Disposal bans require inspection systems that allow meaningful review of bagged waste and remove the automatic free pass for opaque bags. ● Upstream investment is formalized through an Upstream Investment Envelope with transparent reporting and measurable deliverables.	The initial draft solid waste management plan included the following components: -An intention to reduce the amount of diversion that consists of recovery. Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as a potential mechanism to increase disposal ban efficacy Diversion rates are presented by sector in Metro Vancouver's annual reports. Aggregated diversion rates present a helpful overall snapshot of progress. Recovery helps reduce GHG emissions by creating alternatives to fossil fuels, which is considered preferable to disposal. The Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics. Annual reporting will indicate how funds were allocated to Solid Waste Management Plan initiatives including corresponding metrics on the effectiveness of each, such as progress toward plan targets and improvements in secondary metrics. This reporting strategy will assist in prioritizing funding and informing where investments can be most strategically allocated.
195	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Nonprofit organization	General	Signatories agree that the core elements of this framework are necessary to deliver credible Zero Waste outcomes, including: ● Clear and transparent measurement and reporting ● Stronger enforcement of disposal bans ● Meaningful investment in waste reduction and reuse ● Alignment of infrastructure planning with long-term waste reduction goals While implementation details may continue to evolve through the SWMP process, the undersigned support the overall structure, direction, and key policy positions set out in this document and encourage Metro Vancouver to incorporate them into the final Plan. This submission reflects the considered views of industry and sector participants engaged in the SWMP process. It does not represent a consensus position of any single advisory committee, but it does represent substantive, informed support for a more upstream-focused, enforceable, and accountable Zero Waste system.	The initial draft solid waste management plan included the following components: -Action 4.8.1 Explore options to enhance disposal ban inspection efficacy Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency and accuracy. The Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics. Annual reporting will indicate how funds were allocated to Solid Waste Management Plan initiatives including corresponding metrics on the effectiveness of each, such as progress toward plan targets and improvements in secondary metrics. This reporting strategy will assist in prioritizing funding and informing where investments can be most strategically allocated.
196	17-Feb-26	Email	Public	Public members-at-large	General	PAGE 5 — Vision & Guiding Principles Referenced Paragraph "A vision statement and guiding principles for the solid waste management plan have been established, with input from First Nations, member jurisdictions, neighbouring regional districts, advisory committees, interested parties, and the public. Vision: A thriving region where nothing is wasted and resources are valued." Comment 1 "First things first – reverse the order of these two clauses in this sentence." Comment 2 "what about other aspects of the waste hierarchy - e.g., reusing, repurposing?" Comment 3 "Choice of terms 'guide' (over 10 years) and 'address' (over 20-25 years)?"	Thankyou for your feedback. The vision statement was developed based on feedback from multiple interested parties and approved by the GVS&DD Board in 2023. Reuse is considered a way of valuing resources and preventing waste.
197	17-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	PAGE 7 — Primary Performance Metrics & Targets Referenced Section "Performance metrics for this plan are categorized into primary and secondary metrics… The plan establishes a target to reduce per capita waste generation… the second target is to achieve a 75% recycling rate and 80% diversion rate by 2050…" Comment 1 "Would not anaerobic digestion be better under 'S'?" Comment 2 "What is the latest (over the last 10–15 years) on WtE? Aren't most European countries shutting them down now?" Comment 3 "20% by 2025 is in the past now. What has been the reduction % by 2025? Also, additional targets prior to 2050 prompt more pragmatic shorter term efforts (2030, 2035, 2040)." Comment 4 "If the Burnaby incinerator should be closed, statements such as this are unnecessary." Comment 1 "To what extent should Metro Vancouver's SWMP recognize efforts with other departments/levels of government… to reduce embodied emissions?" Comment 2 "Are not other BC jurisdictions more 'progressive' in the targets… MV should lead the way!"	Thank you for your feedback. Anaerobic digestion is considered recycling for the purpose of the plan, as it recycles the material content of organics (digestate) as well as creating biogas. Waste-to-Energy is still a common residuals management method in Europe and was explored as part of the Residuals Management Options Review conducted to support development of the plan. 2036 targets have been added to the plan. Metro Vancouver's solid waste department works closely to align with other strategic initiatives, including Climate 2050.The targets were selected to be both ambitious and achievable based on the content of the plan.
198	17-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	PAGE 9 — Secondary Performance Metrics Referenced Paragraph "Secondary metrics will provide quantitative or qualitative indicators… Tracking progress can be challenging where quantitative data is limited…" Comment 1 "What is the baseline year for the reduction, diversion, recycling percentages shown? Show the baseline on Figure 2." Comment 2 "'…and to the public annually.'" Comment 3 "What is the reasoning to not include, or prioritize 'absolute waste generation and disposal targets'?" Comment 4 "This is indeed reasonable and consistent for secondary metrics in general." Comment 5 "Sense of 'frequency' of such measurements?"	The plan has been updated to show baseline statistics. Absolute waste generation and disposal will be reported in conjunction with annual report statistics, which are shared publicly. Many indicators will be reported annually, however some which require more effort or rely on external data that is not available annually may be reported less frequently.

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199	17-Feb-26	Email	Public	Public members-at-large	General	PAGE 12 — Governance, Roles & Responsibilities Referenced Paragraph "…The waste and recycling industry in Metro Vancouver includes haulers, facility operators, material processors…" Comment 1 "And since the BC Ministry of Environment aggregates solid waste data… this should be included here."	Thank you for your feedback. Staff made the suggested correction.
200	17-Feb-26	Email	Public	Public members-at-large	General	PAGE 16 — Regional Solid Waste System Referenced Paragraph "The primary purposes of Metro Vancouver solid waste facilities are to receive a range of recyclables… and to receive primarily residential, commercial, institutional and residential garbage." [Metro Van...nuary 2026 | PDF] Comment "'residential' repeated." PAGE 17 — Waste Composition Over Time Comment "co locating" (Simple correction to spelling in the referenced list bullet.)	Thank you for your feedback. Staff made the suggested correction.
201	17-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	PAGE 22 — Alignment with Other Initiatives Comments 1."Not a MV action… these targets appear 'very' modest… Is the next Federal Strategy out for comment?" 2."30% appears noble by 2050 but still conservative…" 3."So only a 3% reduction of single use plastics by 2030, yet a 30% overall waste reduction?" 4."Then the Province needs to 'raise its game'!" 5."Though dissimilar… landfills affect water/soil, incineration affects air…" 6."How is the incinerator reconciled/rationalized here?"	Staff have reviewed the alignment with federal initiatives and updated it to reflect published federal targets
202	17-Feb-26	Email	Public	Public members-at-large	Reuse Strategy/Action	PAGE 24–30 — Strategies (Goal 1–3) Comments: •"Though it was mentioned above that 'agriculture' is not a component of the MV SWMP." (re: circular food systems) •"share 'learnings with and from other jurisdictions'." •"Would encouraging more localized food production… not also be in the purview of MV's SWMP?" •"Is this 'software' or does 'ware' have some other meaning?" (re: "food service ware")	Agricultural waste is not considered municipal solid waste and as such its management is excluded in this plan. Reusable food serviceware generally refers to plates, bowls, cups and cutlery made from durable materials that can be washed 100+ times.
203	17-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	PAGE 53 — Waste-to-Energy Facility Comments: •"Present power for 16,000 homes, but will supply heat to 50,000? (Clarify.)" •"What are the outstanding air/water/soil toxicity issues that still need to be addressed?" PAGE 54 — Future Disposal Capacity Comments: •"Is that still true today? … Most WtE systems in Europe have now been closed." •"So, is this the present Burnaby WtE facility operation?"	The conversion to heat and hot water is more efficient than to electricity/power. Power is also not restricted to just heat/hot water, so the two are not directly comparable. Waste-to-Energy continues to be a common residual management option in Europe. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
204	17-Feb-26	Email	Public	Public members-at-large	General	1.Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour of more work on reduction. Relatedly, it would be incumbent on MV to explain, where required, why those SWMP hierarchy exceptions differ from the BC Pollution Prevention Hierarchy.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort. The plan's hierarchy is similar to the province's except adds "Rethink", which came out of engagement on the draft hierarchy.
205	17-Feb-26	Email	Public	Public members-at-large	General	2.Work with other MV departments, other levels of government and companies by working higher up the waste hierarchy to rethink and reduce waste by: •highlighting the planning and proposed actions to reduce the Region's climate footprint of materials by including consumption-based emissions (including embodied carbon) and where key opportunities exist to continue to build the circular economy, and •using the SWMP to recognize and/or link to other plans and policies of the MV and those member municipalities that are making progressive efforts on the circular economy and embodied carbon front (such as MV's collaborative efforts with the City of Vancouver, City of North Vancouver and City of Richmond).	The initial draft solid waste management plan included the following components: -Action 1.4.3. "Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts" considers embodied carbon. Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added additional clarity to the discussion on climate targets The plan focuses on future actions rather than recognizing efforts of others to date.
206	17-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	3.Set ambitious targets to match or exceed the aspirations of other progressive regions, such as the Capital Regional District and the Regional District of Nanaimo. Regarding target-setting and reporting frequency, these targets should be set for successive five-year terms (2032, 2037) within the accountability timeframe of the plan, and not simply to 2050. Similarly, these reports need to be kept straightforward and fully transparent to the public. Regarding the choice of indicators: -Report in both per capita and absolute metrics, at least when aggregated. -Guard against an over-supply of secondary indicators (aka 'indicatoritis') that, in themselves, can divert attention to core metrics. -If 'proxy' indicators do not serve their ap'proxi'mate roles, resist using. NOTE - MV (with a larger population and economies of scale capabilities) and other regions of the Province should encourage the provincial government to be more aggressive on its waste reduction aspirations (while still acknowledging some of the challenges of more rural communities). Also, targets should be on waste generation reduction and diversion (meaning recycling and composting), not burning of material (creating pollution and ash). 6.Single use plastics – "Metro Vancouver's targets are based on a 30% reduction in single-use items by 2050." While the 30% reduction may appear reasonable by 2050, this issue will likely take greater and greater prominence with all levels of government and circular economy organizations, a much greater aspiration to 2050 would seem reasonable. This is underscored by: the emerging science on micro-plastics; the relative importance of the issue as emphasized in Strategy 1.1; and, since 'Plastics' is one of the top five priority sectors being focused on in Strategy 1.3.3. And, again, interim targets of sufficient aspiration would help to further focus efforts towards greater achievement.	The initial draft solid waste management plan included the following components: -Transparency as a guiding principle -A commitment to report both per capita and absolute metrics -Primary metrics and a limited number of secondary metrics -Waste reduction advocacy actions -Indication of minimizing the percent of diversion that is recovery Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita. -Revised section on alignment with Environment and Climate Change Canada targets
207	17-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	4.Commit to phasing out the Burnaby incinerator. This 38-year-old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. In addition to the financial outlays to undertake necessary retrofits (where those monies could be directed higher up the waste hierarchy, the incinerator is one of the top 25-point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
208	17-Feb-26	Email	Public	Public members-at-large	Reduce Strategy/Action	5.Invest in zero waste solutions such as redesign, reduce, repair, reuse, composting and recycling, and work to be more action-oriented (e.g., 'implement, enact, develop') versus the present emphasis on 'testing, encouraging and piloting'. Actions should include: •Waste prevention such as cutting unnecessary packaging and preventing food waste. •Reuse and Repair - making it easier so presently unusable items do not get thrown out. •Recycling and Composting - enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services. •Reducing toxicity - include actions to decrease the use of toxic materials, let alone to reduce the emission of toxic pollution. •Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Enhanced disposal ban actions, including the addition of clear bags
209	17-Feb-26	Email	Public	Public members-at-large	Financial Overview	7.Establish and commit to a timeline with strategically-selected quantifiable actions, and the associated budget to ensure the plan can be fully implemented to achieve the final agreed-to targets. 8.Invest in the future - choose solutions that reduce waste without locking the region into expensive disposal systems.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more details on implementation schedule -Expanded the financial overview

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210	17-Feb-26	Letter	Public	Public	Dispose Strategy/Action	I am writing to request the evidentiary basis for the continued inclusion of the Burnaby Waste-to-Energy Facility as a necessary component of the Solid Waste Management Plan. The Plan establishes performance targets through 2050, including increased diversion and waste reduction objectives. Continued operation of this aging combustion facility through 2050 is therefore implicitly assumed to support achievement of those goals. Given the facility's age, emissions profile, capital reinvestment obligations, regulatory exposure, and operational limitations, that assumption requires clear and compelling substantiation.	This request was forwarded to the Zero Waste Committee as requested in the submission.
211	17-Feb-26	Letter	Public	Public	Dispose Strategy/Action	Asset Integrity and Long-Term Reliability To substantiate continued reliance on the facility as a long-term asset, provide the following documentation: • The original design life and any life extension assessments • The most recent independent engineering or asset integrity review • A capital replacement forecast for major systems through 2050 • Historical availability, outage, and major maintenance records sufficient to assess long-term reliability trends If updated service life and reliability assessments are not in place, then the assumption that the facility can operate dependably through 2050 lacks an evidentiary foundation.	This request was forwarded to the Zero Waste Committee as requested in the submission.
212	17-Feb-26	Letter	Public	Public	Dispose Strategy/Action	Emissions Performance and Public Health Risk To substantiate that presumption, provide the following documentation: • Emissions monitoring data for dioxins, furans, and particulate matter for the period immediately preceding and following identification of dioxin-containing ash • Documentation of any expanded testing or monitoring initiated in response to the ash findings • Any deviation reports or operational anomalies recorded during that timeframe • Details of any independent third-party investigation commissioned to determine source and deposition pathway	This request was forwarded to the Zero Waste Committee as requested in the submission.
213	17-Feb-26	Letter	Public	Public	Dispose Strategy/Action	Lifecycle Financial Exposure and Regulatory Resilience To evaluate whether long-term regulatory and financial exposure has been appropriately assessed, provide the following documentation: • Copies of any Operational Certificate amendments, exemption requests, or limit adjustments related to stack emissions • The technical and financial basis for such requests • Lifecycle cost forecasts through 2050, including projected capital upgrades and emissions control reinvestments • Scenario analysis reflecting potential tightening of emission limits and associated capital or operational implications	This request was forwarded to the Zero Waste Committee as requested in the submission.
214	17-Feb-26	Letter	Public	Public	Dispose Strategy/Action	Strategic Necessity and Alignment with Plan Objectives To substantiate strategic necessity, provide the following documentation: • Analysis demonstrating that continued operation through 2050 is required to achieve the Plan's stated objectives under projected waste reduction scenarios • Comparative analysis of continued facility operation relative to available landfill disposal pathways and other flexible residual management options • Scenario modeling showing projected residual volumes with and without the facility under varying reduction performance assumptions • Clarification on how continued ownership reduces overall system risk relative to flexible disposal capacity arrangements	This request was forwarded to the Zero Waste Committee as requested in the submission.
215	17-Feb-26	Letter	Public	Public	Dispose Strategy/Action	Enforcement Capability and Disposal Ban Alignment If enforcement is to be strengthened through 2050, infrastructure capability must align with that objective. To assess alignment between enforcement goals and facility design, provide the following documentation: • Disposal ban enforcement protocols at the facility • Data on loads rejected or investigated annually • Clarification on the facility's ability to isolate and physically inspect suspect loads prior to combustion • Protocols for identifying and managing hazardous or prohibited materials	This request was forwarded to the Zero Waste Committee as requested in the submission.
216	17-Feb-26	Letter	Public	Public	Dispose Strategy/Action	Climate Alignment and Net Zero Commitments Continued operation through 2050 presumes alignment with regional climate commitments and net zero objectives. To evaluate whether that alignment has been demonstrated, provide the following documentation: • Current and projected greenhouse gas emissions through 2050 • Analysis of fossil carbon content in the waste stream • Modeling demonstrating alignment with regional net zero commitments • Any mitigation or offset strategies incorporated into long-term planning	This request was forwarded to the Zero Waste Committee as requested in the submission.
217	17-Feb-26	Email	Member Jurisdiction	Local government	Risk Analysis	I wanted to flag on page 61 of the draft Solid Waste Management Plan the reference to Strategy 2.4 (under Risk Analysis). While the original 2010 plan has a Strategy 2.4 (Target demolition, land clearing and construction (DLC) sector for increased reuse and recycling) it appears this new plan does not, stopping at Strategy 2.3.	Thank you for your feedback. Staff made the suggested correction.
218	18-Feb-26	Email	Public	Public members-at-large	Glossary	1) add to your glossary a description or definition of "AcidGas";	This was added to the revised draft plan.
219	18-Feb-26	Email	Public	Public members-at-large	General	2) Add a few comments about the following reminder to the reader: a) that the plans developed by Metro to manage and maintain the main components of our essential services for a healthy community, appear to be siloed, but they are in fact deeply interconnected. The solids we manage also appear in our atmosphere in particulates and end up in our surface waters, aquifers, soils, marine waters and back into the atmosphere in a continuous cycle often as residuals. Nano and micro plastics are especially one of the most serious health crises we are now facing, especially the impact on babies, and infants. It is a daunting task to control because the chemical industry is a very powerful economic force with a large well paid lobby, especially at the provincial and federal levels. b) For clarity it could be said that the managers of Metro services do recognize whichever remedies and solutions they develop to deal with waste are connected to and have become part of the environment within which we live and will never be disconnected from it. This means that Metro has seriously considered the environmental impact on the gifts provided by Nature. We especially are gifted by our location on this planet.	Thankyou for your feedback. The plan is guided by a principle of environmental stewardship, which will be considered in implementation of all strategies and initiatives.
220	18-Feb-26	Email	Public	Public members-at-large	General	A Zero Waste approach means less garbage, less pollution, and a system that is healthier and more affordable for everyone. 1. Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour or more work on reduction.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The solid waste management plan's waste hierarchy prioritizes reduction over recovery.
221	18-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan. 5. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions. 7. Pledge to be transparent – report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.	The initial draft solid waste management plan included the following components: -Transparency as a guiding principle Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita. Action 1.4.3. "Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts" considers embodied carbon. Recovery helps reduce GHG emissions by creating alternatives to fossil fuels, which is considered preferable to disposal.
222	18-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	3. Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
223	18-Feb-26	Email	Public	Public members-at-large	Reduce Strategy/Action	4. Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include: - Waste prevention such as cutting unnecessary packaging and preventing food waste. - Reuse and Repair -making it easier so unusable items do not get thrown out. - Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. - Multifamily, business, institutions, industry and construction locations need to have better programs and services. - Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution - Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.	The initial draft solid waste management plan included the following components: -Actions on redesign, reduce, repair, reuse, composting and recycling Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Enhanced disposal ban actions, including the addition of clear bags

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
224	18-Feb-26	Email	Public	Public members-at-large	Financial Overview	6. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented. 8. Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more details on implementation schedule -Expanded the financial overview
225	18-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	I think in the visions, goals, and scope section there needs to be a section that emphasis why zero waste is important in terms of the landfill running out space, and the economic implications if our waste needs to be send to other regions.	Landfill capacity and economic implications of sending waste out-of-region are explored in the residuals management strategic approach.
226	18-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	Incinerators always have 'allowable emissions', alongside 'unplanned releases' and 'fugitive emissions'. Taken in concert, these emissions regularly exceed the stated allowable emissions for incinerators, whether solid waste or hazardous waste incinerators. When it comes to solid waste, incinerators emit dangerous chemicals such as dioxins, mercury, cadmium, lead, NOx, and SOx, along with acid gases on an ongoing basis. Cumulative effects may occur in an urban environment, along with increased greenhouse gases. Incinerators are dangerous and dirty and have proven solutions such as zero waste goals, recycling, composting, and the Circular Economy.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
227	18-Feb-26	Email	Public	Public members-at-large	General	It's very important to utilize the Zero Waste hierarchy and definitions in your solid waste plan. Producers and manufacturers use this, and so should planners.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
228	18-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	In your deliberations, please consider setting ambitious targets as your neighbours in Nanaimo have done, for example. We are borrowing this planet and time from our children, grandchildren, and future generations, and must keep their needs in mind. Waste reduction is possible! Recycling is growing, and our single use plastic ban in Canada has been upheld.	Targets were set based on current waste composition data and are meant to be ambitious but achievable.
229	18-Feb-26	Email	Public	Public members-at-large	Circular Economy	Enhancing recycling and composting programs keep our resources in circulation. The Circular Economy is an achievable goal when municipalities work together with producers and manufacturers to support these crucial programs. In your Solid Waste Management Plan, please include timelines and budgets for the upscaling of recycling and composting to make sure that the important resources contained in solid waste (plastics, paper products, glass, metals, organic materials) become embedded in the Circular Economy and not lost to landfill or incineration.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more details on implementation schedule -Expanded the financial overview
230	9-Jan-26	Meeting	Regional Engineers Advisory Committee (REAC)	Local Government	Targets/Metrics/Member jurisdiction actions	*Questions about calculation of energy recover in the diversion rate;	Materials that are processed as alternative fuels are considered recovery, and are accounted as such in the diversion rate. A definition of diversion has been added to the glossary.
231	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)		Glossary	Lock in precise definitions (recycling, diversion, recovery, circularity, “waste” as a verb rather than a noun), explicitly anchoring to Zero Waste hierarchy (incl. “rethink”) and circular economy.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort. Diversion has been added to the glossary. Definitions are based on federal, provincial or industry standards, where they exist.
232	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Move beyond pilots/soft language and tighten disposal bans, require region-wide source separation, and expand inspection/enforcement (incl. private sector/construction and demolition).	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Enhanced disposal ban actions, including the addition of clear bags
233	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Phase out the Burnaby Waste-to-Energy facility, with an aligned disposal strategy and transparent capital cost implications.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage.
234	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Set specific, time-bound, sector-specific targets (incl. per-capita waste and food-waste targets) with secondary metrics and benchmarks.	The initial draft solid waste management plan included the following components: -Specific time bound targets -Secondary metrics Metro Vancouver has not included a specific food-waste target, but preventing food waste has been highlighted as a focus area of the plan.
235	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	Expand progress reporting (esp. food waste), do region-wide spot checks on residential curbside (e.g., clear bags), and apply consistent penalties.	While many potential metrics exist to measure progress, the list of secondary metrics selected aims to highlight the most important metrics for tracking progress of the updated solid waste management plan. Region wide spot checks are outside of Metro Vancouver's authority.
236	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Scale deconstruction, reuse, repair cafés/reuse days, house relocation; enable reuse at depots; fund non-profits and innovators.	The initial draft solid waste management plan included the following components: -Strategy 3.3 - Increase reuse of building materials -Action 3.4.2. Explore the feasibility of a business funding program to support the transition to reuse, refill, repair. -Strategy 3.5 - Increase access to and foster the broad adoption of reuse, refill and repair, including scaling up reuse at facilities
237	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Provide transparent budgets, clear implementation timelines, and adaptive management check-ins.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more details on implementation schedule -Expanded the financial overview
238	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Accessibility and Inclusion	Ensure services work for residents without cars, (i.e. provide limited bulky-item pick up for supported housing) to reduce service inequities.	Metro Vancouver's approach to accesibility is guided by the Accessibility Plan (2023-2026) which emphasizes universal design, adaptability and collaboration. These principles will be integrated into implementation of the plan strategies and actions to remove barriers and foster participation by people of all abilities.
239	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Unified regional messaging, simpler public materials; consistency across municipalities (e.g., multi-family housing recycling rooms).	The plan includes many actions speaking to collaborating with a goal of consistency, as well as on simplifying sorting to make recycling more effective.
240	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regional District Collaboration	Greater clarity on Metro Vancouver’s support to municipalities (Plan section 4.2 & 4.4), extended producer responsibility roles/classifications, and retail/institutional/commercial partnerships.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a section on Metro Vancouver's role and authority
241	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Tie actions to consumption-based emissions and human health outcomes; make environmental outcomes explicit.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a section describing how actions were assessed, including the criteria that was used.
242	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Keep the plan progressive, with measurable actions, clear governance alignment, and solution pathways.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified key focus areas of the plan, including how they contribute to the plan targets
243	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Need specific, concise regulations to reduce waste and improve clarity.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan, including on regulatory initiatives
244	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee		Clear guidelines on what can be recycled, how materials must be handled, and increasing disposal ban inspections to reduce contamination levels.	The initial draft solid waste management plan included the following components: -Actions on providing clear recycling guidelines -An action on increasing the number of disposal ban inspections
245	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Strengthen implementation and enforcement of disposal bans (including at Waste-to-Energy facility).	The initial draft solid waste management plan included the following components: -Strategy 4.8 Enhance approaches to Metro Vancouver's disposal ban program
246	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Make enforcement consistent across all facilities and municipalities.	Metro Vancouver will consider this feedback in implementing Strategy 4.8- Enhance approaches to Metro Vancouver's disposal ban program.

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247	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Use fines, load rejections, and tipping fee adjustments to create meaningful consequences. Fines should motivate both haulers and site management to change behavior. Increasing tipping fees may further incentivize proper waste separation.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a section on the user pay principle -Added clear bags as an option to enhance disposal ban inspection efficiency
248	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	"Pay-as-you-throw" models used in Europe or mandatory clear bags could increase accountability but risk illegal dumping if residents don't want to participate.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a section on the user pay principle -Added clear bags as an option to enhance disposal ban inspection efficiency
249	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Clear bags as a potential tool for simplifying inspection and preventing cheating.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as a tool to increase disposal ban efficacy
250	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Haulers must take responsibility for contaminated loads and educate customers.	Under the disposal ban program, haulers are responsible to pay surcharges on banned materials.
251	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Clear mechanisms are needed so haulers cannot avoid responsibility or push back.	The disposal ban program and generator levy outline the responsibilities of haulers and are supported by compliance promotion activities
252	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	If contamination persists, haulers should face increased costs or lose customers due to higher service fees.	Under the disposal ban program, haulers are responsible to pay surcharges on banned materials.
253	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Mandatory source separation across all streams (organics, recycling, garbage).	The initial draft solid waste management plan included the following components: -A regulatory strategic approach including a regulatory priority to increase reuse and recycling, and example regulations including mandatory source separation
254	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Keep the system simple, enforceable, and uniform across municipalities.	A solid waste and recycling system that is affordable, convenient, and consistent across the region is a guiding principle of the plan.
255	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Consider phased campaigns focusing on one priority material at a time (e.g., organics). Regulations and communication campaigns must work together. Long-term education is required for residents to understand and adopt waste reduction habits.	Generally campaigns run one at a time, with content remaining available at all times. Campaigns are meant to complement regulations (e.g. food scraps campaign and organics disposal ban). The plan emphasizes the importance of education and outreach.
256	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Metro should maximize its enforcement powers at regional facilities. Could also track sector performance, redirect budgets strategically, and hold municipal members accountable.	The initial draft solid waste management plan included the following components: -Strategy 4.8 Enhance approaches to Metro Vancouver's disposal ban program -A guiding principle on accountability Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Sector specific diversion targets Other suggestions were not incorporated.
257	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Learn from places like San Francisco: license haulers and receivers more thoroughly, audit them, and track recycling performance. Increase transparency around actual construction & demolition waste volumes and practices. Current construction & demolition targets and reporting lack accuracy and clarity.	C&D transfer stations are licensed under Metro Vancouver's solid waste licensing bylaw. Improving data accuracy, transparency, and availability, increasing reuse and recycling, and supporting effectiveness of the generator levy are regulator priorities under the regulatory strategic approach. Example regulatory enhancements include updated reuse and recycling minimums and expanded typoes of facilities that require a license. Changes to the licensing bylaw would require a dedicated engagement process.
258	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Residents and businesses face confusion about what can be recycled. Regulations should specify recyclable materials clearly, with stronger supportive language. Need simpler, more accessible information resources, currently there are too many existing and it causes confusion for residents.	The initial draft solid waste management plan included the following components: -Strategy 4.4 - Make recycling easier by improving convenience -Strategy 4.5 - Make recycling more effective by simplifying sorting
259	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Connect food policy, climate policy, and waste policy for mutual benefit. Clarify roles for municipal, regional, and provincial governments.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the description of climate goals -Added a section on Metro Vancouver's role and authority
260	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Include a clear list of what Metro can and cannot regulate. Identify where provincial or federal leadership is necessary (e.g., food waste reduction incentives).	The initial draft solid waste management plan included the following components: -Several actions identifying advocacy for regulation at other levels of government Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a section on Metro Vancouver's role and authority
261	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Schedule	Strengthen open-data reporting to track progress on goals, budgets, and performance. Provide easy to understand visual summaries of waste data available online. Use accessible language to build trust and communicate results effectively to the public and to businesses.	The initial draft solid waste management plan included the following components: -The concept of a public dashboard for solid waste management data is contemplated under the plan monitoring section Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded details on financial reporting -Strengthened language throughout the plan
262	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Set defined, sector-specific, and/or explore material-specific targets. Differentiate impact across initiatives/events and across commercial/ICI sub sectors.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added sector specific diversion targets Material specific reporting is done on an initiative by initiative basis.
263	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Targets only work if they are paired with coherent metrics and consistent measurement frameworks.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided linkages between focus areas and targets
264	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Terms like "climate neutral" may be misunderstood and should be refined for accuracy and clarity.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Refined the description of climate targets
265	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Establish a budget and implementation schedule for each action, along with an assessment of projected impacts, to support transparent prioritization and resource allocation.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the project schedule section The Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics. Annual reporting will indicate how funds were allocated to Solid Waste Management Plan initiatives including corresponding metrics on the effectiveness of each, such as progress toward plan targets and improvements in secondary metrics. This reporting strategy will assist in prioritizing funding and informing where investments can be most strategically allocated.
266	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Expand the regenerative design approach demonstrated in construction and explore how similar principles could be applied across other waste streams.	Regenerative design as a concept can be considered in circular economy actions under Goal 1: Rethink.

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267	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Provide specific actions and pathways toward climate neutrality, including methodologies and assumptions. Demonstrate the climate benefits of reduced waste generation by quantifying associated decreases in carbon emissions.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Refined the description of climate targets
268	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Enhance reporting practices by presenting progress to date against targets, with a clear mechanism to adjust or pivot when performance is below expectations.	The initial draft solid waste management plan included the following components: -Provisions for reporting on progress against targets
269	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Goals should be more ambitious, and the budget should reflect the scale of desired impact.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets -Expanded the financial overview
270	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Allocate dedicated land and infrastructure to support repair, reuse, reduction activities, and material recovery—particularly for high-value materials such as wood.	The initial draft solid waste management plan included the following components: -Action 3.3.3.2 Research and explore innovative solutions to meet land use needs for key waste reduction activities such as house moving, deconstruction, and building material resale
271	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Acknowledge that the upper tiers of the hierarchy are transformative and less easily quantified, while committing budget and effort toward improving measurement to ensure meaningful action can still be tracked and evaluated.	The initial draft solid waste management plan included the following : -Strategy 1.4 Collect and share data to track progress toward a circular economy
272	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Assess the economic value of items repaired at repair events, rather than focusing solely on the number of items repaired, to better illustrate the financial and environmental benefits of repair.	While many potential metrics exist to measure progress, the list of secondary metrics selected aims to highlight the most important metrics for tracking progress of the updated solid waste management plan.
273	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Shift terminology from “pilot” or “testing” to “policy” and “regulation” to signal commitment, maturity of approach, and long-term implementation.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan
274	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	Revisit the construction recycling rate, noting that including concrete inflates the overall recycling percentage and may not accurately represent true material recovery performance.	The solid waste and recycling annual report shows the construction and demolition diversion rate both with and without concrete to demonstrate there is still work to be done in this sector.
275	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Increase transparency around recycling processes by clearly distinguishing between materials that are collected and those that are actually recycled, processed, or reused.	Recycling statistics used in the solid waste and recycling annual report are based on the quantity of commodities leaving brokering facilities such as material recycling facilities. Processing residuals data is not available unless processed within the region (such as for organics). The annual report provides a detailed methodology for transparency.
276	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Many targets are to 2050. What seems missing is a deep dive on capacity, assets needed, costs to manage waste in that timeframe.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets -Expanded the financial overview -Provided more detail on implementation schedule
277	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Plan should also account for disaster debris planning.	Metro Vancouver collaborated with member jurisdictions and the Integrated Partnership for Regional Emergency Management to develop an Joint Municipal Regional Disaster Debris Management Operational Plan in 2017 and intends to revisit this plan in coming years in collaboration with member jurisdictions.
278	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Health authority waste is disposed to the Waste-to-Energy (WTE) facility instead of to landfill. This requires contingency planning when WTE is down. Metro Vancouver should explore options.	The initial draft solid waste management plan included the following: -Action 6.4.5 Work with health authorities to review disposal options for hospital garbage
279	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	The strategies under Goal 6 should consider treatment of niche waste streams	The initial draft solid waste management plan included the following: -Action6.4 Monitor disposal options for waste that requires specialized disposal
280	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Europe considers WTE as a pretreatment to landfill. Look at other pretreatment options instead.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage.
281	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Look at specific issues such as organics creating methane in landfill, and what is created when waste is burned.	The initial draft solid waste management plan included the following: -Specific reference to organics creating methane in landfills -Actions on further enhancing environmental performance at disposal facilities
282	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Why is the plan considering additional disposal capacity? Previously MV had said that increasing WTE capacity would not be considered.	Technical criteria for evaluating residual management options is included in the plan if additional capacity is required during the life of the plan.
283	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Implement stronger regulatory standards, following leading jurisdictions.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan
284	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Shift spending from disposal toward zero waste investments; highlight the opportunity cost of disposal focused spending.	The Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics. Annual reporting will indicate how funds were allocated to Solid Waste Management Plan initiatives including corresponding metrics on the effectiveness of each, such as progress toward plan targets and improvements in secondary metrics. This reporting strategy will assist in prioritizing funding and informing where investments can be most strategically allocated.
285	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Risk Analysis	Add a robust testing program near WTE facilities (river sediment, soil, residential impacts).	Metro Vancouver complies with proinvical regulatory requirements for the Operational Certificate for the Waste-to-Energy Facility.
286	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Risk Analysis	Expand pollutant monitoring requirements and clarify what must be measured.	Metro Vancouver complies with proinvical regulatory requirements for the Operational Certificate for the Waste-to-Energy Facility.
287	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Advocate for provincial hauler licensing and standardized data reporting.	Hauler licensing is included as an example future Metro Vancouver regulatory enhancement. Any new regulatory measure will be accompanied by a transparent and meaningful engagement process.
288	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Improve enforcement of disposal bans, supported by better load inspection tools (e.g., clear bags).	The initial draft solid waste management plan included the following: -Strategy 4.8 Enhance approaches to Metro Vancouver's disposal ban program Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as potential method to enhance disposal ban inspection efficacy
289	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Clarify what resources remain in waste streams and why.	The initial draft solid waste management plan included the following: -Strategy 4.8 Enhance approaches to Metro Vancouver's disposal ban program Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as potential method to enhance disposal ban inspection efficacy
290	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Separate landfill and WTE in Strategy 6, because their impacts differ significantly (e.g., plastics behave differently in each).	Actions specific to the landfill and waste-to-energy are separated under Strategy 6.1
291	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Consider burnable vs. non burnable separation like Japan.	Burnable vs. nonburnable would likely be challenging in the North American system as compared to Japan.
292	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Add industry expert consultation to residuals management strategy.	Metro Vancouver regular discusses topics such as residuals managemnet with committees such as the Solid Waste and Recycling Industry Advisory Committee.

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293	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Provide more reuse opportunities at Recycling & Waste Centres (e.g., reuse days, bike reuse).	The initial draft solid waste management plan included the following: -Action 3.5.1 Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres
294	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	Add ability to capture reusable materials during disposal processes (Table 6).	The Technical Criteria for Evaluation of Residual Waste Management Options (Table 6) was developed by a consultant and would be considered in the event future disposal capacity is required. Additional considerations beyond the criteria could be considered as well.
295	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Describe contingency disposal facilities, locations, and costs more clearly.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more detail on contingency disposal facilities
296	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Add "contingency disposal" to the glossary and distinguish it from "remote landfills."	Staff use contingency disposal to refer to remote landfills that GVS&DD have contracts with and use remote landfills to describe landfills located outside the region
297	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Increase education around biomedical vs. standard hospital waste; most hospital waste should go to landfill with proper inspection.	The initial draft solid waste management plan included the following: -Action 6.4.5 Work with health authorities to review disposal options for hospital garbage
298	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Add wildlife-attractant management (e.g., bear-related issues in Coquitlam).	Wildlife-attractant management is typically managed by member jurisdictions, and was not identified by members as a priority for the updated plan.
299	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Include aggressive reduction targets, enforcement mechanisms, and measures to address potential illegal dumping.	The initial draft solid waste management plan included the following: -Strategy 6.6. Prevent litter and illegal dumping Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets -Added a section on compliance promotion
300	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Add actions to incentivize behavior change, currently incentives for residents are weak; consider reviewing residential bin fee structures.	The initial draft solid waste management plan included the following: -Several actions to incentivize behaviour change, including grant programs and recognition Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a section on the user-pay principle
301	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Promote reuse in addition to recycling, aligning with the waste hierarchy.	The plan includes many actions for reuse, which is considered a priority over recycling as per the waste hierarchy.
302	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Improve public understanding of metrics, scale, baseline, and relevance matter.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added more detail and clarity to the sections on metrics
303	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Advocate for extended producer responsibility for tires on rims.	The initial draft solid waste management plan included the following: -Action 3.2.1 Identify and advocate for additional products to be added to extended producer responsibility programs.
304	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Metro Vancouver should lead in waste labeling and reducing misclassification.	The initial draft solid waste management plan included the following: -Strategy 4.5 Make recycling more effective by simplifying sorting Metro Vancouver has limited authority with respect to labeling requirements, but the actions under Strategy 4.5 have a similar aim.
305	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Reconsider tours and communications that overly promote WTE without discussing negative impacts; shift emphasis toward zero-waste education.	-The initial draft solid waste management plan included the following: Action 6.1.2.4 Continue to provide and expand opportunities for education and public awareness on the Waste-to-Energy Facility and associated infrastructure such as interactive displays and tours, and the **importance of waste reduction and recycling over disposal.**
306	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Recognize that reuse is currently under-emphasized in referenced strategies and needs stronger integration.	There are seven strategies and 27 actions in the plan dedicated to reuse.
307	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Could plan monitoring include focus on adaptive management?	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a section on plan amendments
308	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Plan Monitoring	Could we include public consultation at the plan monitoring phase?	-The initial draft solid waste management plan included the following: -The concept of a committee to monitor plan progress, which could include members of the public.
309	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Need better strategy around multi-family. Can we consider regulatory or financial mechanisms to get strata companies supporting diversion better?	-The initial draft solid waste management plan included the following: -Multiple actions on multi-family waste reduction Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Included a focus area in the executive summary of the plan on increasing access to organics and recycling services for multi-family residents, businesses and institutions
310	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Need more space allocated for sharing/repairing/reuse as well as diversion in multi-family.	The initial draft solid waste management plan included the following: -Action 5.4.3 Update, test, and share multi-family residential waste and recycling container space and access technical specifications to support adequate space for expanded recycling Action 4.3.3 Accelerate adoption of donation collection options for reusable items such as clothing and books in multi-family buildings Action 4.3.5 Facilitate opportunities to increase the size, number, and frequency of repair and reuse events
311	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Appreciate there is strategy for extended producer responsibility (EPR) but maybe consider stronger language for consistent EPR. E.g., try to expand on actions 3.2.4. and 3.2.6.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan
312	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Circular Economy	Need stronger support for circular economy entrepreneurs. Missed opportunity to be more ambitious and invest in land for circular economy facilities and innovation.	The initial draft solid waste management plan included the following: -Action 1.1.1 Advocate for incentives and funding programs for key circular activities Although not the same as investing in land for circular economy facilities, this action and others under Goal 1: Rethink are meant to have a similar outcome in helping transition to a circular economy.
313	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Budget cycle is an issue. How can we fund those working in this space, like through accelerators?	The initial draft solid waste management plan included the following: -Action 1.2.6 Work with businesses to implement solutions to support circular products and services
314	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Would help to have more details on the funding/budget. Have a high-level overview and then budget table but no description of different sections in the budget.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview section

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315	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Strengthen analysis of capital, operating, and full lifecycle costs.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview section
316	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Need something stronger around contamination/source separation.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added consideration of regulatory initiatives such as mandatory source separation to the executive summary of the plan
317	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Can we put collection facilities at transportation stations, like Skytrain?	This would require dealing with another entity and having bins where there are large amounts of people, which may not be practical and may pose a security risk.
318	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	What is the engagement budget covering in future years when not in plan development phase?	It would cover engagement related to plan implementation.
319	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Can you provide overview of the finances?	The Board receives a five-year forecast but only approves budgets on a year-to-year basis as we can't fetter future Boards. Can't run deficit budgets.
320	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Risk Analysis	Is the economic system at risk?	Our model is slightly different from other municipalities. Metro Vancouver has a Tipping Fee Bylaw which contains a Generator Levy provision that provides funding to the core parts of the regional system for waste that is taken outside of the Metro Vancouver system for disposal.
321	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Can the private sector purchase their own landfill?	Land availability and costs in region are likely prohibitive. Accessibility issues to access landfills outside of the region (road access/border issue).
322	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Has there been a procurement of land for a new landfill?	No.
323	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Does Metro Vancouver have pop-up recycling events?	We work with member jurisdictions on this – e.g., we worked with Surrey to have drop off for Surrey residents. Increases awareness in community and numbers ramp up as a result after the events.
324	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	What are we doing about reducing soil disposal?	There is specific action to minimize soil taking up space at the Vancouver Landfill.
325	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	What is the risk and cost incurred if targets are missed?	Cost differential can be applied to methods to decrease waste.
326	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	The value of landfill space preserved for as long as possible should be considered FVRD did triple bottom line analysis of landfill space.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a description of how options were evaluated
327	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	What are the beneficial use opportunities for bottom ash?	Cement plant opportunity to substitute for raw materials. 90% of bottom ash could be used. A key requirement of any beneficial use opportunity is assurance that use of the ash will not lead to human health or environmental impacts. Any beneficial use of the bottom ash would require approval of the Ministry of Environment and Climate Change Strategy On May 20, 2021, the Ministry of Environment and Climate Change Strategy approved Metro Vancouver's 2020 Bottom Ash Management Plan. The 2020 Plan allows for the potential beneficial use of bottom ash that has been processed through the Waste to-Energy Facility's non-ferrous metal recovery system at cement plants.
328	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	Against beneficial use of bottom ash. Look at best practices to minimize potential toxins from bottom ash.	A key requirement of any beneficial use opportunity is assurance that use of the ash will not lead to human health or environmental impacts. Any beneficial use of the bottom ash would require approval of the Ministry of Environment and Climate Change Strategy On May 20, 2021, the Ministry of Environment and Climate Change Strategy approved Metro Vancouver's 2020 Bottom Ash Management Plan. The 2020 Plan allows for the potential beneficial use of bottom ash that has been processed through the Waste to-Energy Facility's non-ferrous metal recovery system at cement plants.
329	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	How did the metrics and targets get derived, did they incorporate increased reduction habits or is it solely based on reduction of just waste (waste composition)?	The metrics and targets were derived using a combined analysis of annual report data as well as waste composition.
330	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Are we counting repair metrics?	We track number of items repaired at cafes but noticed that requesting data deters municipalities from hosting repair cafes.
331	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	What is the source of the climate-neutral actions, and can the associated calculations be shared?	This is in the Solid Waste Primer, under Metro Vancouver's Climate 2050 strategy.
332	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	To what extent do the proposed waste-reduction targets contribute to achieving climate neutrality by 2050?	Detailed modeling and emissions-reduction calculations are in progress to verify the degree of alignment with the 2050 climate-neutral objective.
333	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Social criteria of the draft Technical Criteria for Evaluation Residual Waste Management Options should consider benefits of appropriate disposal of healthcare waste and address public perception and impact on public health.	The Technical Criteria for Evaluation of Residual Waste Management Options (Table 6) was developed by a consultant and would be considered in the event future disposal capacity is required. Additional considerations beyond the criteria could be considered as well.
334	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Strengthen and expand reuse initiatives, ensuring they play a more prominent role in the waste-reduction hierarchy.	There are seven strategies and 27 actions in the plan dedicated to reuse.
335	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Re evaluate contingency disposal pricing, consider alternative RFP approaches for better value. Keeping waste in Metro Vancouver at all costs, suggest closing WTE, paying more for contingency disposal, and reinvesting savings into waste reduction.	Contingency disposal is approximately twice the cost of in-region disposal options (waste-to-energy and landfill). Procurement processes consider cost, ghg emissions, regulatory compliance, environmental impact, availability, and reliability.
336	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Develop more detailed, sector-specific metrics, particularly for the commercial and institutional sectors, to better reflect differences in waste generation and diversion potential.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added sector specific diversion targets
337	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Define clear metrics for each tier of the waste-reduction hierarchy, ensuring consistent measurement from "rethink" to disposal.	The initial draft solid waste management plan included the following: -Secondary metrics for each level of the waste hierarchy
338	19-Feb-26	Meeting	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Use fines, load rejections, and tipping fee adjustments to create meaningful consequences.	The disposal ban program utilizes surcharges as a consequence for banned material.
339	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	The plan says that Metro Vancouver and member jurisdictions will collaborate to facilitate opportunities to increase the number and frequency of repair and reuse events. When doing that, ensure that the organizations receiving the goods have the appropriate storage space.	This will be considered during implementation of this action.
340	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	More needs to be done for Strategy 3.4.1, directing residents and businesses to a non-profit such as Urban Repurpose is problematic as UR does not have a facility large enough to store the quantity of goods that could be dropped off at the Waste Centre or their own facility.	Metro Vancouver will consider this feedback during plan implementation.
341	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Suggest clarifying in Strategy 3.5 that the intent is to scale up reuse-drop-off at Metro Vancouver recycling and waste centres and to work collectively with organizations to develop a where to reuse, refill, repair data set that can be displayed in universally accepted maps.	Metro Vancouver will consider this feedback during plan implementation.

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342	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Budget for foreseeable costs of scaling zero waste initiatives: - Allocate appropriate funding for the development of toolkits and policies to move beyond voluntary waste reduction programs that currently exist Ex. Event waste management toolkits/guidelines exist but requires advocacy and enforcement to ensure consistency across the region Ex. Pilot repair cafes funded by Metro Vancouver have been successful in reducing waste and providing education opportunities but require further resources to scale	The Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics. Annual reporting will indicate how funds were allocated to Solid Waste Management Plan initiatives including corresponding metrics on the effectiveness of each, such as progress toward plan targets and improvements in secondary metrics. This reporting strategy will assist in prioritizing funding and informing where investments can be most strategically allocated. Metro Vancouver agrees that rethinking and reducing waste are the highest priorities, as reflected in the waste hierarchy for the plan.
343	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Define diversion in glossary: - Diversion is not included in the glossary but clearly defined on p. 6 to "include all of the material recycled plus any material used to create alternatives to fossil fuels". - Recover does not include composting, anaerobic digestion, or mass-burn waste to energy (glossary, p. 67) - Reuse refers to one further use of a product in the same form (but not necessarily for the same purpose) (glossary, p. 67)	Diversion has been added to the glossary: Diversion refers to the sum of both recycling and recovery, but does not include reuse andr materials used as landfill cover.
344	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Sector specific targets and metrics for high generator industries promotes stronger accountability and strategic planning	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added sector specific diversion targets
345	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Accessibility and Inclusion	Providing a version with less technical jargon so people can easily understand the strategies outlined could increase participation to achieve these goals	Metro Vancouver will consider this feedback during plan implementation. While the plan itself is appropriate as a plan document, we are looking at additional resouces and tactics to make the plan more accessible to the public
346	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Accessibility and Inclusion	While it is Important to have a comprehensive SWMP, the information needs to be digestible and accessible to connect with the community and spark meaningful discussion	Metro Vancouver will consider this feedback during plan implementation. While the plan itself is appropriate as a plan document, we are looking at additional resouces and tactics to make the plan more accessible to the public
347	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	10% reduction by 2040 / 20% reduction by 2050 does not seem ambitious	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita.
348	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Food waste reduction can be achieved much more quickly that general waste	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including multi-family and commercial food waste.
349	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Suggestion: Add a secondary food waste reduction target that is more aggressive Ex in Washington DC: Reduce food waste by 60% by 2032 vs. 2019	Because the Metro Vancouver region already diverts approximately 400,000 tonnes of the 600,000 tonnes of food waste generated, we cannot expect the same level of diversion over the same timeline as a jurisdiction that started their curbside organics program in 2023. And phased in commercial sector organics diversion shortly there after.
350	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Secondary Metrics - The KPI for Reduce "Amount of preventable food waste in garbage plus a summary of available information on food loss" does not mention "food waste". And what one considers non preventable may be seen as preventable for another one. - Suggestion: Track & report food waste generated per capita (not just preventable) - 2016 = 158 kg food waste per capita - 2030 target to be aligned with SDG 12.3 = 79 kg food waste per capita	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including multi-family and commercial food waste. - Added a section on alignment with UN sustainable development goals
351	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	After "Recover", Reduce is the goal with the lowest number of strategies & actions, although it is mentioned as a priority	While there are a limited number of actions that directly reduce waste, there are additional actions under rethink and reuse that are expcted to also reduce waste overall.
352	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	ReFED Insight Engine is a great example of what could be done	Metro Vancouver will consider this feedback during plan implementation.
353	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Food waste solutions mapping beyond just food recovery (3.6)	Metro Vancouver will consider this feedback during plan implementation.
354	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Map our food waste solutions for all 6 goals (including rethink/reduce)	Metro Vancouver will consider this feedback during plan implementation.
355	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Suggested actions for Strategy 2.3: Explore feasability of a business funding program to support the transition to food waste tracking tools and reporting with digital innovations	Metro Vancouver will consider this feedback during plan implementation.
356	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Business funding explored for reuse (3.4.2)	3.4.2 seeks approval to establish a funding program to support the transition to reuse, refill and repair. Staff will consider this feedback in the implementation of that action.
357	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Incentives to encourage reporting for food donations (3.6.1.2)	Thank you for your support for this action.
358			Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Suggestions: Commit to a regional annual public report that breaks down food waste reduction progress specifically for the commercial and institutional sectors	This is addressed as part of action 1.4.1 work toward annual solid waste management reporting by material type and sector on all levels of the waste hierarchy, starting with organics, wood, and textiles.
359	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Guiding Principles: Accountability from businesses to prevent waste / transparency	Yes, accountability is part of the guilding principles.
360	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Circular Economy	Climate Action: - Food = 19% of consumption based emissions (vs. 3% of territorial emissions) - Suggestion: Improve the quantification of the carbon footprint of food	The Solid Waste Management Plan looks to quantify the climate benefits of waste reduction including looking into embodied carbon benefits starting with food and built environment as part of Strategy 1.4
361	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	The 2015 organic disposal ban was one of the actions with the biggest impact in the region	Yes, the organics disposal ban had a big impact on waste reduction.
362	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	For Generators, mandatory source separation should be the very least required	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
363	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Suggestions: Explore a food waste reporting requirement for businesses, move to penalties after education (penalties need to be high enough to change behavior)	This will be considered during implementation of this action.
364	14-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Definitions: - Need to clarify some terms - Suggestion: Define circular jobs, circular initiatives, preventable food waste	Circular jobs are generally all jobs that support the plans definition of circularity. The exact methodology of how to define and measure circular jobs is the region is being worked on.
365	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Figure 1 – Targets (page 8) Consider including a visual representation of the current baseline. This would provide clearer context and a more compelling illustration of progress. Targets should reflect bold, transformational change rather than incremental improvement.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: - Added baseline data to the targets figures.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
366	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Metro Vancouver's Strategic Priorities – "Financial sustainability and regional affordability" (page 10) Consider refining this to: "Financial sustainability and regional affordability through cost effectiveness." Affordability is often cited as a rationale for delay, whereas cost effectiveness underscores fiscal responsibility while advancing environmental objectives.	Affordability is a guiding principle and will be considered in all aspects of plan implementation. Metro Vancouver heard concerns across all sectors about the affordability. The Solid Waste Management Plan looks to leverage existing budget and collaboration to continue to be a leader in waste prevention.
367	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Figure 4 – Waste Composition Over Time (page 15) Clarification may be helpful, as the chart appears to indicate electronic waste at approximately 50 kg per capita, which seems high given that consumer electronics has been subject to an EPR program for nearly two decades.	The yellow for paper is close to 50kg per capita while the similarily coloured orange for electronic waste is reported to be less than 2 kg per capita.
368	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Strategy 3.2 – Extended Producer Responsibility (page 28) I appreciate Metro Vancouver's commitment to advocating for the continued expansion and enhancement of EPR programs. Consider adding a specific reference to the recycling and collection of lithium rechargeable batteries, reflecting their rapid growth (e-bikes, e-scooters, mobile devices) and the increasing fire risks associated with these materials.	Metro Vancouver will consider this feedback during plan implementation.
369	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Consider removing section 3.2.1, which limits EPR for mattresses and textiles to sector specific applications (e.g., care homes and schools). A broader advocacy position supporting comprehensive EPR programs for mattresses and textiles may be more appropriate, particularly as other jurisdictions are already developing regulations for these materials.	Metro Vancouver will consider this feedback during plan implementation.
370	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Wasted construction resources: Follow San Francisco's methodology and track wasted construction resources in all stages, generation, hauling and receiving. This will allow the measurement of resources that leave the region, and provide a means to confirm recycling and disposal rates as there are issues in reporting recycling rates.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures including engaging on updating GVS&DD Bylaw 181 for licensing private recycling facilities
371	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Wasted construction resources: Report concrete downcycling separately from other construction material diversion. Its weight and volume skew the numbers.	The solid waste and recycling annual report shows the construction and demolition diversion rate both with and without concrete to demonstrate there is still work to be done in this sector.
372	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Wasted construction resources: Phase out incineration and waste-to-energy and concentrate on eliminating 'waste'. Target specific material elimination, if quantities are known this can be translated to a percentage reduction, but percentage reductions on their own are too vague to plan for whereas material elimination is easier to signal to industry and consumers and to plan for.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. . Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
373	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Wasted construction resources: Prioritize reuse of existing buildings in location. Metro Vancouver's role in this could be education and promotion, as well as implementing for their own buildings.	Procurement is identified in Strategy 1.3 as a priority for the advancing a circular economy through collabroation.
374	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Wasted construction resources: Facilitate and prioritize house relocation (as Metro currently does, but formalize this and add to it, possibly by creating designated movement corridors that are kept free of obstructions - requires working with municipalities) and prioritize deconstruction over demolition – this could be by creating easily adoptable bylaws for municipalities.	The initial draft solid waste management plan included the following: -Strategy 3.3 increase reuse of used building materials
375	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Define the terms being used, such as diversion, recycling, etc. and use "waste" as a verb rather than a noun. Replace "waste" with "wasted resources" and use the Zero Waste Hierarchy and definition.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -clarified the difference between recycling and diversion The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
376	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Real vs perceived affordability: While rising costs and affordability are front of mind and concern for all, it would be unfortunate to have "perceptions" of unaffordability be used to justify delays to key system improvements and ambitions with real long-term impact. Just as pausing the inclusion of mattresses to recycling regulation amendments was justified based on affordability concerns, delaying effective waste diversion actions often shifts and externalizes costs in other ways and to other groups.	The targets of the plan commit Metro Vancouver to pursuing effective waste diverion actions. During plan implementation business casing options will be a key to following the guiding principle of affordability.
377	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Encourage sector-specific accountability: Effective waste management requires precision. The more specific targets are, the more effective efforts can be to achieving them. We encourage the plan to incorporate sector-specific targets for Residential, Multi-family, ICI, and C&D sectors. This ensures that enforcement and resources are directed exactly where the issue is greatest, allowing for sector-specific compliance tracking and greater accountability that can drive more effective improvements. It would be valuable to see the esJmated impacts of the actons outlined in the plan, by sector, to know which are expected to be the most impacPul.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added sector specific diversion targets -update 1.2.2.2 to be more specific about tracking by business type/sector
378	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Mandate source separation for ICI & C&D: As discussed in the last meeting, regulatory enhancements have been some of the most effective mechanisms to increase waste diversion. We would encourage Metro Vancouver to initiate the process to adopt mandatory source separation for ICI.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
379	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Stricter organics ban enforcement: We support stricter enforcement of the organics ban by increasing inspections and implementing clear bag policies to address the persistent volume of organics, plastics, and packaging that still ends up in landfill.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation -Highlighted key focus areas that will drive progress toward the plan's targets including focusing on diverting organics from commercial/institutional and mulit-family sectors
380	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Meaningful resources dedicated to Rethink, Reduce, Reuse, and Recycle: We would like to see narrative surrounding strategies 1-4 in the plan translate into meaningful resources to strategies higher up the waste hierarchy. While it's not entirely clear what the breakdown of allocations will be from the budget presented it appears to show that less $3 million of a total budget of $169 million will allocated to Zero Waste Implementation in 2026. We would like to see this broken out further and for it to be increasing in subsequent years, at least at the same rate as the overall budget. There are many impactful initiatives outlined in strategies 1-4 in the plan and it would be unfortunate for them to not be implemented because of a lack of funding when a disproportionate amount of funding is going to cover the cost of disposal and recovery.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan -Provided more details on implementation schedule -Expanded the financial overview to provide more detail
381	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Current System: The current system emphasizes coordination and reporting, but lacks independent verification, consistent enforcement, and structural accountability.	Strategy 1.4 looks to improve reporting.
382	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Education and Outreach	Education and Collaboration: While education and collaboration remain important, they cannot overcome economic incentives that favour disposal, poor product and building design, inconsistent enforcement, and opaque data reporting.	The Solid Waste Management Plan address this through advocacy for product redesign policies (Strategy 1.1) and funding (Strategy 1.1/3.4/4.2), collboration (Strategy 1.3), improved reporting (Strategy 1.4)
383	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Infrastructure: Disposal and recovery infrastructure provide system stability but without upstream accountability and independent verification they can normalize residual waste, discourage recycling investment, lock in material loss, and undermine the credibility and comparability of reported diversion and circular economy performance	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits. The Solid Waste Managment Plan commits to optimize the use of the local dispsoal facilities including the Vancouver Landfill.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
384	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Circular Economy	Case for an Ombudsperson or Agency: Complex waste systems cannot credibly self-regulate, and a Solid Waste and Circular Economy Ombudsperson is needed to independently verify performance, standardize metrics, ensure transparent reporting, and ensure that performance verification and compliance findings are independent of political influence	Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency and accuracy. The Solid Waste Management Plan regulatory stratety focus areas includes update the regional solid waste facility licensing framework following a comprehensive engagement process which is an opportunity to look at ways to furthre improve reporting and transparency.
385	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	What Success Looks like: With independent oversight, residual waste is treated as a problem to reduce rather than a performance credit, disposal is clearly separated from recycling and prevention, and strong performers are distinguished from chronic underperformers. Focus on strong disposal ban enforcement, mandatory source separation, third party audits and independent administrative oversight.	The plan monitoring section of the Solid Waste Management Plan outlines how the Ministry of Environment and Parks, the Plan Monitoring Advisory Committee and other committees with provide this function during the implementation of the plan. In also includes other plan monitoring activities to continuously improve reporting and transparency.
386	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Commit to stronger disposal ban enforcement	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
387	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Recommend mandatory source separation requirements	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
388	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Recommend that with the increased capacity on landfill space at the Vancouver Landfill the Waste to Energy Plant should be targeted for closure as soon as possible.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits. The Solid Waste Managment Plan commits to optimize the use of the local dispsoal facilities including the Vancouver Landfill.
389	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Waste Reduction can't be achieved through aspiration alone. It requires governance structures that make performance unavoidable.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
390	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Recommend generator audits	The Solid Waste Mangement Plan includes actions to improve generator waste generation data including: -1.4.1.Work toward annual solid waste management reporting by material type and sector on all levels of the waste hierarchy, starting with organics, wood, and textiles -1.2.2.2.Co-develop industry-supported targets and standardized methods of tracking waste prevention performance by business type.
391	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Recommend independent oversight of waste system performance	The plan monitoring section of the Solid Waste Management Plan outlines how the Ministry of Environment and Parks, the Plan Monitoring Advisory Committee and other committees with provide this function during the implementation of the plan. In also includes other plan monitoring activities to continuously improve reporting and transparency.
392	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	In line with the purported vision, refrain from using the term “waste” wherever possible and replace it with “material” or “resource” to reflect the need and opportunity to rethink how we view materials.	Thank you for your feedback. Staff do their best to reframe waste as a resource where possible but intend to continue to use the words waste, garbage and dispsoal for clarity.
393	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan (eg. from explore to implement).
394	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling.	The plan outlines several strategies and actions to rethink, reduce, reuse, repair, compost and recycle materials so that they don't go to waste.
395	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Commit a percentage of the Solid Waste budget to circular initiatives.	Instead of an arbitrary percentage, the cost and impact of each action will be looked and approveld by the board at as the plan is implemented. Where possible Metro Vancouver will look to maximize their spending through collaboration and seeking available funding. Annual reporting will indicate how funds were allocated to Solid Waste Management Plan initiatives including corresponding metrics on the effectiveness of each, such as progress toward plan targets and improvements in secondary metrics. This reporting strategy will assist in prioritizing funding and informing where investments can be most strategically allocated.
396	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Strengthen Rethink and Reduce strategies by including measurable targets (including interim and long-term) and clearer definitions.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan (eg. from explore to implement). -Provided more details on implementation schedule
397	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Gather metrics from circular economy operating business (re-use/refill/repair/share) to ensure we incorporate avoided waste into regional waste prevention statistics and achievements.	The Solid Waste Mangement Plan includes actions to improve generator waste generation data including: -Strategy 1.4 Collect and share data to track progress toward a circular economy -1.4.1.Work toward annual solid waste management reporting by material type and sector on all levels of the waste hierarchy, starting with organics, wood, and textiles -1.2.2.2.Co-develop industry-supported targets and standardized methods of tracking waste prevention performance by business type.
398	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Set real targets for expanding public and private infrastructure supporting the higher uses in the PPP, similar to how Metro Vancouver just negotiated to expand the life of the Vancouver Landfill.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita.
399	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Secondary metrics under the “reduce” goal need to more clearly address ALL single-use items, including single-use packaging on construction materials. The metrics currently have a very residential flavour in relation to single-use plastics. Single-use plastics from the construction sector dwarf the volumes of single-use plastics from residential uses and need to be called out and addressed.	The initial draft solid waste management plan included several actions to reduce single-use including: -1.1.2.Advocate for the phase-in of regulations that eliminate unnecessary, problematic, non-recyclable products and packaging. -1.3.3.Work with national waste reduction and circular economy organizations to learn and share circular practices with a focus on the following priority areas, and others as they emerge:1.3.3.5.Plastics -3.1.3.Update the regionally harmonized approach to reducing single-use items and phasing in reuse measures. -3.4.4.Develop, test and share best practices for waste reduction and recycling for public realm events, prioritizing surplus food redistribution, use of reusable food service ware, and litter reduction.
400	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	In addition to encouraging private sector solutions to increase waste reduction and recycling in the region (p.15), Metro Vancouver needs to address policies that undermine private sector innovation. For example, failing to enforce rules governing the handling and disposal of CRD materials and allowing industry players to avoid responsibility for the illegal handling of materials (e.g. avoiding abatement and removal of gypsum/drywall) by shipping demolition waste across the Canada/US border or be disposed in unauthorized locations to avoid regulatory requirements.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including conducting a comprehensive engagement process for the purpose of updating Metro Vancouver’s licensing bylaw for private solid waste facilities.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
401	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	In that regard, commit to enhancing enforcement of regional rules governing solid waste management, particularly with respect to CRD material, and commit to report out on enforcement efforts and acts of non-compliance.	Metro Vancouver is now able to use notice of bylaw viloation to enforce specific bylaw violations using a simple, cost-effective process. Penalty amounts vary up to a maximum of $500.
402	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Expand strategy 3.3.1 to cover regional projects and all new applications, not just new products (e.g. using reclaimed wood for public trails and recreational amenities like park benches and tables).	The initial draft solid waste management plan included the following: 3.2.1.Identify and advocate for additional products to be added to extended producer responsibility programs such as mattresses, textiles, household furniture, and packaging from sectors such as care homes and schools with similar materials to residential recycling programs.
403	18-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Draft Plan	Expand strategy 3.4.3 to include site infrastructure, not just single-use items	This is addressed in other parts of the Solid Waste Managemetn Plan. Rethink strategies and actions as well as strategy 3.2 enchance extended producer responsibiliyt programs look at collboration with business and advocacy for policies, funding and collboration opprotunities expand reuse and repair instructure.
404	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	A credible Solid Waste Management Plan must rely on clear definitions, honest accounting, and enforceable policy. When destructive pathways are credited as progress, diversion rates are inflated and system weaknesses are hidden.	Metro Vancouver is actively working to imporve data and definitions including gathering recovery information from recycling facilities so that recovery of energy can be reported separately from recycling.
405	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Define Recycling Properly: Recycling must mean the mechanical processing of discarded materials into products or materials for original or other purposes. It must exclude incineration, reprocessing into fuels, backfilling, and materials used as landfill cover. Combustion is destruction, not recycling.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clearer definitions of recycling vs diversion
406	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	Distinguish Recovery Categories: The Plan must clearly separate recovery of materials for the purpose of recycling and composting from recovery of materials for the purpose of fuel. The first attempts to return materials to productive use after system failure. The second permanently removes materials from the circular economy through combustion or thermal conversion. These outcomes are not equivalent and must never be grouped together.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clearer definitions of recycling vs diversion
407	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Do Not Count Recovery as Diversion: Diversion must measure prevention, reuse, recycling, and composting. Recovery occurs only after proper source separation has failed. It may salvage some value, but it does not represent successful system performance. Recovery for the purpose of fuel is disposal. Neither form of recovery should count toward diversion targets.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clearer definitions of recycling vs diversion
408	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Set Sector Specific Targets: Diversion goals and reporting must be separated for Residential, Industrial Commercial and Institutional, and Construction and Demolition sectors. Aggregated reporting masks underperformance and weakens accountability.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added sector specific diversion targets
409	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Enforce Disposal Bans and Implement Black Bag Inspections: Metro Vancouver already has disposal bans and inspection authority. These tools must be fully utilized. The Plan should commit to increasing inspection frequency at all disposal facilities and implementing black bag inspections, which are not currently being conducted. Consistent inspection at transfer stations, landfills, and the Burnaby incinerator, with public reporting of results, is the fastest way to drive source separation at businesses and residences.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation -Added clear bags as an option to enhance disposal ban inspection efficiency
410	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Phase Out Incineration and Acknowledge Its Liabilities: The Plan should establish a clear pathway to phase out the Burnaby incinerator. Incineration produces greenhouse gases, air contaminants, and toxic ash, and represents long term environmental and financial liability. As an owned public asset, it carries regulatory risk, escalating retrofit costs, and potential stranded asset exposure. It must never be presented as renewable or environmentally beneficial.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
411	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Require and fund Enforcement of landfill bans and inspection of loads. Fine haulers and publish data on the number of loads inspected/fined.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation -Added clear bags as an option to enhance disposal ban inspection efficiency
412	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Use the Zero Waste Hierarchy and definition. Eliminate the goals for recovery in favour or more work on reduction.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
413	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Develop and publish a plan to close the Burnaby incinerator.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
414	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Invest in (or allocate space to) infrastructure to support Zero Waste innovators, using the Zero Waste Demonstration site at the City of Vancouver plan as a reference.	The Solid Waste Management Plan looks to work with businesses and economic development agencies to attract circular businesses such as food upcyclers and wood remanufacture's.
415	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Require minimum 3 stream separation for all ICI across all municipalities in Metro Van. Use the City of Vancouver's business license application as a model for all other municipalities to use.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation -Added clear bags as an option to enhance disposal ban inspection efficiency
416	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Require clear bags for commercial and multi-family (if not all) loads tipped at our landfill	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency
417	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Set more ambitious targets; set targets in-line /consistent with regions in Canada & US that are leading the pack in waste prevention goals and metrics	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: --Added 2036 targets and a 5-year target for disposal per capita.
418	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Timelines should be more immediate with a maximum 5 year cadence, (i.e. 2032; 2037, 2042 etc.) and a potential structure for 'mid-term check-points' (i.e. 2029; 2034; 2039) in order to understand and monitor progress/compliance towards Metro's targets	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: --Added 2036 targets and a 5-year target for disposal per capita. -Provided more details on implementation schedule
419	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Longer timelines are hampering concrete action, slowing down system improvements and ultimately facilitating 'target slide'	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: --Added 2036 targets and a 5-year target for disposal per capita. -Provided more details on implementation schedule
420	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	This way the region can identify consistent challenges to inform Metro's strategy and future regulation/education/infrastructure implementation and enabling region to 'course correct' and/or adopt improvements	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets. -Added 2036 targets and a 5-year target for disposal per capita. -Added sector specific diversion targets -Provided more details on implementation schedule
421	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	ICI should be tracked Sector by Sector to identify gaps, gauge sector compliance, target enforcement and accurately apply penalties to drive improved waste prevention	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added sector specific diversion targets
422	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Possible ICI Sector Categories: Multi-Family; Office/Business Services; Food/Hospitality; Retail; Schools; Post Secondary; Government	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added sector specific diversion targets -Updated actions to work with specific sectors on better data and measurement

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
423	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Public reporting on non-compliant sectors (i.e. # of fines/penalties applied to each sector)	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation -updated 1.2.2.2.Co-develop industry-supported targets and standardized methods of tracking waste prevention performance by business type.
424	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Gather metrics from circular economy operating business (re-use/refill/repair/share) to ensure we incorporate avoided waste into regional waste prevention statistics and achievements	The Solid Waste Mangement Plan includes actions to improve generator waste generation data including: -Strategy 1.4 Collect and share data to track progress toward a circular economy -1.4.1.Work toward annual solid waste management reporting by material type and sector on all levels of the waste hierarchy, starting with organics, wood, and textiles -1.2.2.2.Co-develop industry-supported targets and standardized methods of tracking waste prevention performance by business type.
425	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Region-wide Source Separation requirements for all Metro municipalities/districts	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
426	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Consider clear bag requirements - especially for ICI sector	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency
427	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Increase inspection capacity at transfer sites	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency
428	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	With increased capacity incorporate SPOT CHECK bag tear visual inspections with photos for verifiable fines back to generator companies (through the haulers)	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency
429	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Consider focusing campaigns/fines on specific streams - especially with regards to organics in the garbage	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets which include diverting organics from multi-family and commercial sectors. -Clarified regulatory priorities including advancing regulatory measures to further source separation and reduce barriers to participation
430	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Is it more effective to 'blanket the region' with stream by stream campaigns on the top banned categories still found in the garbage (i.e. Organics); focus enforcement/penalties on the targeted stream and measure associated increased compliance; after 11 years of organics bans, why are businesses and multi-family still placing organics in the garbage with few consequences? There is an education/enforcement/penalty gap	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets which include diverting organics from mulit-family and commercial sectors
431	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Circular Economy	Proactively engage and leverage the existing eco-system of circular businesses and innovators, already operating/providing waste prevention/waste avoidance options in the region; we don't need to re-invent this wheel; we need to 'un-obstruct' the pathway	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets which include leading the transition to a regional circular economy through waste prevention
432	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Circular Economy	Facilitate and enable expansion of circular models through regulatory frameworks that help rather than hinder the growth of such services/products in the region	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets which include leading the transition to a regional circular economy through waste prevention
433	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Circular Economy	When hurdles remain in place, these types of businesses fail; early adopter momentum cannot be maintained; and broader mainstream roll-out/adoption cannot evolve	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets which include leading the transition to a regional circular economy through waste prevention
434	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Despite EPR's being under provincial jurisdiction, Metro should continue to press EPR structure in the following area: Responsible/verifiable reporting from producers to demonstrate they are proactively complying with EPR goals to 'design waste' out of their products	Metro Vancouver will consider this feedback during plan implementation.
435	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Despite EPR's being under provincial jurisdiction, Metro should continue to press EPR structure in the following areas: This way, EPR programs can demonstrate they are moving 'up the waste hierarchy' to prevent waste rather than developing infrastructure and systems to manage materials at the end of the tailpipe	The initial draft solid waste management plan included the following: 3.2.4.Participate in extended producer responsibility program engagements and advocate for: 3.2.4.4.The inclusion of reuse and repair in extended producer responsibility programs.
436	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Despite EPR's being under provincial jurisdiction, Metro should continue to press EPR structure in the following areas: Developing EPR local end markets that keep these stewarded materials in the region they were purchased/consumed/disposed	The initial draft solid waste management plan included the following: 3.2.4.Participate in extended producer responsibility program engagements and advocate for: 3.2.4.1Improvements to existing programs and the implementation of new programs.
437	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Despite EPR's being under provincial jurisdiction, Metro should continue to press EPR structure in the following areas: Verifiable/ transparent reporting on what end markets/end products EPR materials are being processed into (i.e. if textiles do not have a verifiable downstream they should not be counted as recovered, despite being collected	The initial draft solid waste management plan included the following: 3.2.4.Participate in extended producer responsibility program engagements and advocate for: 3.2.4.1Improvements to existing programs and the implementation of new programs.
438	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Given Metro Vancouver's goal to reduce waste disposal to 170 kg per capita by 2050, textiles represent a strategic opportunity. At approximately 8 kg of textile waste per person annually, textiles are a relatively small portion of the waste stream but one that is highly recoverable. Given the wide range of viable reuse and recovery pathways—such as insulation, fiber respinning, stuffing, industrial applications, and composting for natural fibres—textiles should not be entering disposal streams at scale.	The initial draft solid waste management plan included the following: -Textiles as priority for circular economy transition as part of part of 1.3.3
439	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycling and Waste Centre Strategic Approach	Overall, the SWMP would benefit from greater specificity, stronger commitments, and a plan to phase out the use of the incinerator.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
440	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Many actions within the Rethink and Reduce strategies would be strengthened by measurable targets and clearer definitions. Terms such as "advocate" and "connect" appear frequently but lack operational detail. For example, how often will advocacy occur, through which channels, and with what intended outcomes? Similarly, what constitutes successful "connection" under Strategy 2.1.3?	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan

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441	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Circular Economy	The plan also references "identifying" opportunities for circular businesses and "researching" reuse and repair options. However, much of this exploratory work has already been conducted by organizations and startups operating in the region. For instance, Dreamstill has developed software capable of identifying garment condition and recommending next-life uses with 40% accuracy; further improvements primarily require database expansion rather than feasibility research. I encourage Metro Vancouver to leverage existing innovations rather than duplicating work already completed within the ecosystem.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets which include leading the transition to a regional circular economy through waste prevention
442	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Circular Economy	Later the plan also commits to "implement circular business opportunities," and to "collaborate with external organization on circular initiatives, research, and pilot projects". To maximize effectiveness, greater clarity is needed regarding which partners are being prioritized, how collaborations will be structured, and what specific supports Metro Vancouver is prepared to provide. Do these supports include funding, data access, facilities, regulatory support, coordination, promotion, or administrative assistance? This is what the space needs to scale because demand for these initiatives is already evident: Repair Cafés, for example, consistently operate at capacity, demonstrating strong public interest but limited resources to implement it.	The Solid Waste Management Plan includes advocacy for funding, co-development of data collection approaches, advocacy for circular economy policy and sharing out of successful natrional circular businesses to inspire others to implement circular business opportunities.
443	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	I also note that the plan identifies multi-family residential buildings as high waste generators and opportunistic for implementation of waste diversion, but implementation barriers here are significant and the plan does not seem to acknowledge those. Actions such as 3.5.3 appear to assume willingness from strata corporations, yet in practice these entities are often resistant to installing collection infrastructure or hosting reuse initiatives. It would be helpful to clarify whether Metro Vancouver can play a stronger convening, regulatory, or policy role with property managers and strata organizations.	Thank you for your feedback. Staff recognize that there are barriers that we have to overcome to be successful and are working with behaviour insights efforts to make sure we focus our efforts on effective interventions.
444	17-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Lastly, and perhaps most importantly, the plan does not appear to directly address reduction in overall consumption, which is the highest-impact intervention within the waste hierarchy. While diversion, recycling, and circular initiatives are important, they do not substitute for upstream strategies that reduce material throughput in the first place. Without clear actions, targets, or policy mechanisms focused specifically on lowering per-capita consumption, the plan risks emphasizing downstream management over prevention. Strengthening this area would better align the SWMP with zero-waste principles and long-term sustainability goals.	The initial draft solid waste management plan included the following: -Rethink and reuse actions that aim to reduce consumption
445	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Highlighting the connection between environmental and human health: We see value in explicitly incorporating health as a guiding principle in this revised plan and clearly articulating the connection between proactive waste management and the prevention of climate-related impacts on both community health and the natural environment. Recognition of the interdependence between climate change and health would complement the collaborative work with First Nations given Indigenous teachings/beliefs linking health and the environment. Furthermore, it is critical that we recognize that climate change and environmental degradation affect disadvantaged populations and communities. A discussion of these inequalities and how the actions in the strategy address these should be included and recommendations for engagements for early connection with the population public health and environmental health departments in the region should be incorporated, to ensure health is a pillar of implementation.	Metro Vancouver embraces collaboration and innovation in providing sustainable regional services that contribute to a livable and resilient region, and a healthy natural environment for current and future generations. Climate action is a strategic priority that guides all of Metro Vancouver's work, including solid waste management. These over-arching strategic priorities, together with the solid waste management plan's guiding principles, guide the implementation of the solid waste management plan. First Nations have an important role in stewardship of the region's land, water, and air. This extends to working with all orders of government to advance improvements to solid waste management which can help to protect the health of the environment, and achieve environmental, cultural, spiritual, and economic goals for their communities
446	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Strengthen support for the commercial sector to continue to segregate optimally: The health sector strongly supports the zero-waste hierarchy. Reducing waste at the source decreases the volume requiring management at landfills and the waste-to-energy facility. Given the healthcare sector's substantial waste footprint, there is an opportunity to highlight ongoing initiatives within health care that align with Metro Vancouver's objectives. Evidence demonstrates that improper waste management can contaminate soil, air, and water4, underscoring the importance of a robust regional plan5. With the Vancouver Landfill expected to operate until 2050, continued support for large sectors, including healthcare, to improve organics segregation will further reduce emissions. Municipality support with Goal 4 of optimizing recycling, would greatly benefit the health authorities as they navigate vendor issues previously flagged with Metro Vancouver. Consequently, preventing and reducing waste will improve local air and quality, reducing 2 million tonnes of CO2 emissions from landfills and 277,877 tonnes CO2 from incineration annually demonstrating important public health co-benefits such as lower rates of respiratory illness and other pollution related health conditions.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The solid waste management plan's waste hierarchy prioritizes reduction over recovery. Metro Vancouver staff look forward to working collaboratively with the health sector to improve recycling outcomes of the sector.
447	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Classification of healthcare waste & clear communication: We ask Metro Vancouver to consider the classification of healthcare garbage as 'specialized waste'. Grouping healthcare waste with asbestos has been flagged by the lower mainland waste management teams in previous engagement sessions with Metro Vancouver as counter-productive to healthcare waste management. This problematic classification creates bias and fear around nonhazardous waste in healthcare.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
448	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Use the Zero Waste Hierarchy and definition. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour or more work on reduction.	This was already considered as part of the earlier phases of engagement.
449	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita.
450	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycling and Waste Centre Strategic Approach	Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. It represents a huge risk to the region. Firmly commit to not building or using any new incineration or thermal treatment facilities.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
451	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include: a. Waste prevention such as cutting unnecessary packaging and preventing food waste.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan (eg. from explore to implement).
452	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Actions should include: b. Reuse and Repair -making it easier so unusable items do not get thrown out.	The Solid Waste Management Plan has an emphasis on repair and reuse over recycling and disposal.
453	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Actions should include: c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including targeting recycling and organics in the commercial/institutional and multi-family sectors.

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454	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Actions should include: d. Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution	The Soldi Waste Management Plan includes a focus area on leading the transition to a regional circular economy. The circular economy includes eliminating waste and polution and regenerating nature which supports reducing the toxicity of materials.
455	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Actions should include: e. Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
456	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions.	Strategy 1.4 looks to better understand the climate benefits of waste reduction. More work is needed before this could become a standard reporting for all actions.
457	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview section -Provided more details on implementation schedule
458	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Pledge to be transparent - report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -clarified definitions of recycling and diversion
459	19-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
460	19-Feb-26	Email	Regional District	Local government	Dispose Strategy/Action	1. Phasing Out the Incinerator • Given the sensitivity of the shared Lower Fraser Valley Airshed, we are very disappointed that the SWMP does not include a long-term plan to eventually phase out the operations of their current incinerator. This is particularly disappointing given the age of the facility, which by 2050 will be more than double the usual operational lifespan for garbage incinerators built in the 1980s and 1990s. • While the draft SWMP does mention the FVRD's concerns for air quality, these concerns are largely dismissed by claiming the emissions from the garbage incinerator represent only a small percentage of regional totals. The SWMP fails to acknowledge that any reduction in cumulative and chronic exposure to air pollution is beneficial and fails to recognize the specific concerns from the Fraser Valley where pollutants accumulate, concentrate, and persist. The FVRD continues to be one of the fastest growing regions in the Province, expecting an almost 50% increase in population by 2050. This growth will place additional pressures on the airshed and will result in a larger number of residents being exposed to pollution from the unnecessary burning of municipal solid waste. A healthy airshed is important for this growing population, and phasing out the incinerator will assist in this regard. • The FVRD remains opposed to any incineration or thermal processing of municipal solid waste within the airshed. We strongly encourage Metro Vancouver to phase out the use of their current incinerator and to commit to no new incinerator or incineration capacity within the airshed. • If incineration of municipal solid waste continues, ongoing public health studies need to be conducted that look at cumulative and chronic exposure, epidemiological data, and biomonitoring to determine accumulation in soil, biota, and food. To enhance the credibility and transparency of this monitoring, it should be led by an independent third-party or health authority, as opposed to a consultant reporting directly to Metro Vancouver, and results be publicly accessible.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits. A third-party study in 2018, Waste-to-Energy Facility Public Health Risk Assessment, concluded that the current emissions from the facility do not pose a health risk to people. An updated public health risk assessment is being developed in consultation with Vancouver Coastal Health and Fraser Health. The assessment is avaialble here: https://metrovancouver.org/services/solid-waste/Documents/wtef-public-health-risk-assessment-2018.pdf#search=Waste%2Dto%2DEnergy%20Facility%20Public%20Health%20Risk%20Assessment
461	19-Feb-26	Email	Regional District	Local government	Dispose Strategy/Action	2. Emission Control Upgrades Needed • While we remain concerned with all air pollutants from the incinerator that have the potential to travel to the Fraser Valley, sulfur dioxide (SO2) emissions are of particular concern. SO2 is associated with its own significant health impacts, but one of the most harmful functions of SO2 is that it reacts with moisture in the atmosphere to form sulfate aerosols, which contributes to the levels of fine particulate matter (PM2.5) within the airshed. Metro Vancouver staff have asserted that direct PM2.5 emissions from the facility remain below their emission limits, but this fails to account for the formation of this secondary PM2.5 that is created as a result of precursor pollutants such as SO2 from the incinerator. The FVRD has experienced over 85 air quality advisories for PM2.5 since 2015 and reductions are needed throughout the airshed. • Metro Vancouver's Operational Certificate includes a discharge limit for SO2 of 50 mg/m3. Other comparable facilities have even lower discharge limits (e.g., 35 mg/m3 for the Durham York Energy Centre in Ontario). In recognition that Metro Vancouver needed to install critical emission control upgrades to meet the new limit however, the Province provided an "interim" discharge limit of 200 mg/m3. This interim discharge limit first expired in 2022, was then extended until 2025, and most recently, extended again until 2028. Despite it being a decade since the Operational Certificate was issued, the emission upgrades have still not been provided and SO2 emissions from the facility remain elevated, often in excess of 70 mg/m3 – well above the original discharge limit of 50 mg/m3. • We are pleased to see that $100M has been identified in the SWMP's five-year financial plan for "Acid Gas Reduction" at the incinerator. These upgrades would reduce the emissions of harmful pollutants such as SO2. We are disappointed however that Metro Vancouver continues to be non-committal to these important upgrades stating that they may not be required and implying they would only be added if mandated by the Province. The FVRD does not support continued use of the incinerator, but if Metro Vancouver insists on operating this facility, they need to at least commit to provide the upgrades already promised that will reduce SO2 emissions. The upgrades should be provided as soon as possible, regardless of being legally required or not.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits. In 2024, average emissions across parameters reported to the Zero Waste Committee were 17 per cent of the provincial Operational Certificate limits. Further, ambient air monitoring shows that concentrations of hydrogen chloride and sulphur dioxide are below 10 per cent of ambient air quality objectives all the time, and below 3 per cent of those objectives 98 per cent of the time. Comprehensive emissions data is reported to various regulatory agencies, and publicly available on Metro Vancouver's website, including real-time continuous emissions monitoring data, stack test results, and other environmental performance data.
462	19-Feb-26	Email	Regional District	Local government	Residual Management Strategic Approach	3. No Additional Incineration Capacity • While the draft SWMP states "Metro Vancouver has no plans to actively pursue additional capacity", it does not preclude this as an option. In fact, the SWMP goes on to include a list of technical criteria for evaluating future disposal options "if" additional capacity, through either landfilling or incineration, is required in the future. We are greatly disappointed that Metro Vancouver has not provided a firm commitment to not pursue new incineration within the planning horizon of the SWMP. We are also disappointed that the technical criteria does not include siting considerations that would exclude any new garbage incineration within a sensitive location such as the Lower Fraser Valley airshed. We suggest that the technical criteria be amended to include this provision. The FVRD remains strongly opposed to any additional and current disposal capacity through incineration or thermal processing within our shared airshed. • Greater transparency is required to alleviate the FVRD's concerns about Metro Vancouver's future disposal intentions. The draft SWMP recognizes the Vancouver Landfill is expected to be closed in 2050 but also maintains that the Vancouver Landfill and the incinerator are the region's two primary disposal options through the duration of the SWMP. It seems clear that a new landfill will be needed at the conclusion of the SWMP, unless Metro Vancouver has other undisclosed disposal intentions. Given the 10–15-year planning horizon generally needed for a new landfill, we would have expected this discussion to have been included within the timeframe of this SWMP, along with the necessary stakeholder and public input and debate. Since it is not discussed, the FVRD remains concerned that new incineration may be pursued as a default in the future.	Metro Vancouver is not doing any work on the development of any new waste-to-energy capacity

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
463	19-Feb-26	Email	Regional District	Local government	Glossary	4. Diversion Efforts and Clarification • The draft SWMP maintains the use of incineration or landfilling "only as a last resort" after all efforts to reuse or recycle have been exhausted. We fully recognize the challenges in plastic recycling due to contamination, composite materials, and limited recycling infrastructure, and understand that as a result, significant amounts of plastics are incinerated even though the material may have the potential to be recycled. Greater clarity is encouraged in the SWMP to describe Metro Vancouver's intentions to divert more plastic from disposal so it does not require disposal. The FVRD remains concerned that the ongoing use of the garbage incinerator acts as a disincentive that prevents investments in diversion because high energy material such as plastic continues to be needed to fuel the incinerator. • Greater transparency in the SWMP is also suggested for how material is defined as diverted. The SWMP defines disposal as anything sent to "landfill or mass burn waste-to-energy" and diversion as everything else, including "material used to create alternatives to fossil fuels". As the incinerator is being used as part of a district energy system, which could be interpreted as an alternative to fossil fuel, clarification of this is required. • Any municipal solid waste, including construction and demolition waste or recyclable material such as vehicle tires, sent for thermal processing, whether through incineration, pyrolysis, gasification, or just being burned at a cement kiln, should not be considered diversion. Confirmation of this should be provided within the SWMP.	The initial draft solid waste management plan included the following: -Strategy 1.4 to improve data -Starategy 4.7 increase trasparency of what happens to materials Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clafified the definitions of diversion and recycling
464	19-Feb-26	Email	Regional District	Local government	Regional District Collaboration	5. Impacts to the Fraser Valley • The draft SWMP does not clearly outline how proposed actions by Metro Vancouver may impact adjacent regional districts. As a result, we remain unable to submit specific comments on potential or proposed impacts on our region. Any proposed changes in policies, bylaws, or programs that may affect the FVRD, our member municipalities, or our businesses, should be disclosed to allow for informed comments back on these matters. Additional changes in the SWMP that adds newrequirements, costs, or revenue losses for private businesses in the Fraser Valley involved in the solid waste industry should be made transparent and have meaningful consultation conducted.	Metro Vancouver will continue to monitor impacts to adjacent regional districts throughout plan implementation, identifying and discussing any potential impacts with adjacent regional districts as they arise. Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the sectionn on regional district collaboration -Highlighted key focus areas and regulatory priorities that will drive progress toward the plan's targets. Metro Vancouver will continue to work collaboratively with adjacent regional districts to discuss consistency in solid waste management to work toward shared priorities on waste reduction and recycling.
465	19-Feb-26	Email	Regional District	Local government	Residual Management Strategic Approach	6. Illegal Dumping • Rural and agricultural lands within the FVRD have become significant targets for illegal dumping. While Strategy 6.6 in the draft SWMP recognizes that "litter and illegal dumping impact the environment and wildlife and result in significant costs for member jurisdictions to collect and dispose of these materials", the plan does not appear to examine whether rising disposal costs or other actions proposed may increase illegal dumping outside the regional district. Further analysis of the potential impacts of these policies on adjacent jurisdictions, including mitigative efforts that will be taken to reduce impacts, is needed. If illegal dumping out of region is partially due to a lack of processing capacity for construction waste or organics within Metro Vancouver, we expect the SWMP to outline policies that will increase this processing capacity.	Under strategy 3.3 increase reuse of used building materials ia a key strategy in making sure this material is valued and not illegally dumped. Finding the highest best use markets for wood and other building materials is a key priority in the Solid Waste Managment Plan
466	19-Feb-26	Email	Regional District	Local government	Regional District Collaboration	7. Greater Reuse of Wood Waste • Metro Vancouver's initial draft SWMP proposes to process "clean dimensional lumber not currently reused or recycled due to insufficient processing capacity or technical constraints" into biofuel. Turning biomass into biofuels via thermal processes such as gasification or pyrolysis produces harmful pollution such as particulate matter and nitrogen oxides. The sensitive Lower Fraser Valley airshed already has elevated levels of these pollutants and additional pollution needs to be avoided, whether from the initial conversion process or the subsequent combustion process. Reuse of salvageable materials should be preferred over energy recovery. If material is not being reused or recycled due to insufficient processing capacity, what policies are being proposed by Metro Vancouver to enhance processing capacity? • Greater reuse or recycling of construction and demolition waste throughout the Lower Mainland is needed and represents an area of opportunity for potential inter-regional collaboration. Development of a thermal processing system that would convert waste into biofuel would not only jeopardize investments that would allow for greater reuse or recycling of this material, it would result in additional air pollution and would eliminate potential opportunities for FVRD collaboration.	Under strategy 3.3 increase reuse of used building materials ia a key strategy in making sure this material is valued and not illegally dumped. Finding the highest best use markets for wood and other building materials is a key priority in the Solid Waste Managment Plan
467	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Inspectability as a condition of disposal: require loads to be reasonably inspectable using transparent bag requirements, bag limits, or loose loading requirements where appropriate, and treat non-inspectable loads as presumptively non-compliant.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
468	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Standardized inspection protocols: random bag opening using approved safety procedures, designated inspection areas, and clear thresholds for rejection, surcharge, or follow-up.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
469	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Clear responsibility: generators ensure compliance and inspectability, haulers flag problematic loads, and disposal facilities enforce outcomes.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
470	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Strategic use of data: track inspection outcomes by sector and material type, report publicly, and use results to target enforcement and service gaps.	Our standard response is: Staff considered this feedback and made the following changes to the initial draft solid waste management plan: --Highlighted key focus areas and regulatory priorities that will drive progress toward the plan's targets including mandetory source reduction and a focus on sectors that have an opportunity to reduce large amount of waste
471	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Committing to the phase-out of the Burnaby incinerator within the planning horizon.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
472	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Avoiding new "must-run" disposal capacity.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits. Metro Vancouver is not doing any work on the development of any new waste-to-energy capacity
473	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Using flexible landfill capacity for true residuals, so the region pays for what it needs as disposal declines.	Metro Vancouver will continue to pursue contingency disposal options to maintain adequate disposal capacity for the region.
474	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Vision: revise to: A thriving, sustainable region where resources are conserved and not destroyed or wasted.	Metro Vancouver intends to maintain the vision statement as developed through extensive consultation and engagement and GVS&DD Board approval in the vision and guiding principles phase.
475	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Principles: 1-6 as is but add a top one of: striving to reach zero waste.	Metro Vancouver intends to maintain the guiding principles as developed through extensive consultation and engagement and GVS&DD Board approval in the vision and guiding principles phase.
476	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Principles: Edit 7. to Transparency about what happens to garbage, recycling and organics and the impacts of those materials and systems.	Metro Vancouver intends to maintain the guiding principles as developed through extensive consultation and engagement and GVS&DD Board approval in the vision and guiding principles phase.
477	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Principles: Add Minimize use of toxic and harmful materials and output of pollution.	The Soldi Waste Management Plan includes a focus area on leading the transition to a regional circular economy. The circular economy includes eliminating waste and polution and regenerating nature which supports reducing the toxicity of materials.
478	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Principles: Add Precautionary Principle	Metro Vancouver intends to maintain the guiding principles as developed through extensive consultation and engagement and GVS&DD Board approval in the vision and guiding principles phase.
479	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Hierarchy -use the ZWIA one, eliminate goal 5, add a last goal to eliminate the use of incineration/waste to energy as well as the burning of clean wood waste.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
480	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Climate goal: Make the closure of the incinerator part of the path to climate neutrality; this would save at least 130,000 t CO2e annually (270,000 tonnes if full carbon accounting for biogenic emissions are included) and aim for 0% organics disposed in landfill by 2036. There should be a strong emphasis on reducing emissions and not a reliance on carbon offsets (the effectiveness of which have been questioned).	Metro Vancouver intends to work towards the goals set in Climate 2050
481	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	There should be a for total waste (so if population goes up, there is a need to work harder to meet the goal) as planetary boundaries are finite, regardless of population.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified that waste per capita and total waste will be included in annual reporting
482	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Food waste should also have its own metrics, goal and reporting. Keeping organics out of the waste stream is necessary to achieve Metro Vancouver's climate goals. The target should be aligned with the SDG 12.3 target -50% less food waste by 2030	Our standard response is: Staff considered this feedback and made the following changes to the initial draft solid waste management plan: - Added a section on alignment with the sustainable development goals - Clarified actions related to working with food businesses and manufactures to better measure, track and reduce food waste. Also, the initial draft solid waste management plan included the following: -1.4.1 Work toward annual solid waste management reporting by material type and sector on all levels of the waste hierarchy, starting with organics, wood, and textiles
483	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Target for % of loads fully inspected (as in clear bags or opening opaque bags) -to 90% in 10 yrs.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency
484	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Secondary Metrics, add the following to Rethink: number of partnerships	Metro Vancouver will consider this feedback during plan implementation. Currently most "partnerships" are termed collaborations and there is an action under Strategy 1.4 to look at how to measure success of collaborations.
485	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Secondary Metrics, add the following to Rethink: number of businesses certified Zero Waste	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
486	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Secondary Metrics, add the following to Rethink: Economic value of circular economy	Metro Vancouver will consider this feedback during plan implementation. Current data gaps make it difficult to report this type of information at a regional level.
487	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Secondary Metrics, add the following to Rethink: Funding and investment available for ZW/CE initiatives	Metro Vancouver will consider this feedback during plan implementation. Current data gaps make it difficult to report this type of information at a regional level.
488	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Secondary Metrics, add the following to Reduce: number of municipalities with event permit zero waste requirements	Metro Vancouver will consider this feedback during plan implementation. Current data gaps make it difficult to report this type of information at a regional level. The Solid Waste Management Plan looks to include not just zero waste but reusable foodservice wear and food recovery at events.
489	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Secondary Metrics, add the following to Reduce: number of municipalities with zero waste plan requirements for business licenses	Metro Vancouver will consider this feedback during plan implementation. Current data gaps make it difficult to report this type of information at a regional level.
490	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Secondary Metrics, add the following to Reduce: number of engagements to support ICI transitions	Metro Vancouver will consider this feedback during plan implementation.
491	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Secondary Metrics, add the following to Reuse: Tonnes reuse for C&D materials (separate)	The initial draft solid waste management plan included the following action to improve C&D data: -3.1.2.Develop, test and share improved tools and approaches for house relocation and deconstruction programs and policies including data review.
492	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Secondary Metrics, add the following to Reuse: number of repair options and awareness	Metro Vancouver will consider this feedback during plan implementation as a tool for residents to use. Current data gaps make it difficult to report this type of information at a regional level.
493	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Secondary Metrics, add the following to Reuse: number of reuse programs (encourage all groups to register their programs, support new ones, have RCBC share where they are)	Metro Vancouver will consider this feedback during plan implementation.
494	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Secondary Metrics, add the following to Reuse: number of refilleries -same as above	Metro Vancouver will consider this feedback during plan implementation as a tool for residents to use. Current data gaps make it difficult to report this type of information at a regional level.
495	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Secondary Metrics, add the following to Reuse: Growth in number of share, repair and reuse assets	Metro Vancouver will consider this feedback during plan implementation as a tool for residents to use. Current data gaps make it difficult to report this type of information at a regional level.
496	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Secondary Metrics, add the following to Reuse: Amount of reuse options and awareness	Metro Vancouver will consider this feedback during plan implementation as a tool for residents to use. Current data gaps make it difficult to report this type of information at a regional level.
497	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Secondary Metrics, add the following to Reuse: number of repair shops -same as above # municipalities with event permit zero waste requirements	Metro Vancouver will consider this feedback during plan implementation as a tool for residents to use. Current data gaps make it difficult to report this type of information at a regional level.
498	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: number of municipalities with full organics collection	Most municipalilties in the region already have organics collection, the Solid Waste Management Plan looks to focus on increasing multi-family and commercial/institutional organics divertion
499	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: number of municipalities with full curbside collection	Most municipalilties in the region already have organics collection, the Solid Waste Management Plan looks to focus on increasing multi-family and commercial/institutional organics diversion
500	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: % of MF buildings with full Recycle BC service	This is tracked and published by RecycleBC

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
501	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: % of MF buildings with organics service	Metro Vancouver will consider this feedback during plan implementation. Current data gaps make it difficult to report this type of information at a regional level.
502	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: Organics recycling participation rate	Metro Vancouver will consider this feedback during plan implementation. Current data gaps make it difficult to report this type of information at a regional level.
503	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: % of ICI with full three streams collection	Metro Vancouver will consider this feedback during plan implementation. Current data gaps make it difficult to report this type of information at a regional level.
504	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: number of municipalities with mandatory three stream collection or % of region (when MVRD implements)	Metro Vancouver will consider this feedback during plan implementation. Current data gaps make it difficult to report this type of information at a regional level.
505	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: Amount composted by sector	Staff will continue to report on diversion rate by sector
506	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: % contamination recycling	This is tracked by RecycleBC and is not currently published annually
507	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Secondary Metrics, add the following to Recycle: % contamination organics	Metro Vancouver will consider this feedback during plan implementation. Current data gaps make it difficult to report this type of information at a regional level.
508	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	Secondary Metrics, add the following to Recover: remove existing one as inaccurate representation of what diversion is	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified the definitions of recycling and diversion
509	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	Secondary Metrics, add the following to Recover: add what materials are recovered	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified the definitions of recycling and diversion
510	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	Secondary Metrics, add the following to Recover: number of actions taken to move from recovery to higher levels of the hierarchy	While many potential metrics exist to measure progress, the list of secondary metrics selected aims to highlight the most important metrics for tracking progress of the updated solid waste management plan. Metro Vancouver does not intend to annually count and report the number of actions taken to move from recovery but will highlight in annual reports notable changes to recovery and contributing factors to those changes.
511	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: number of actions taken to understand why something was wasted	Metro Vancouver will consider this feedback during plan implementation. While it may be impractical to report on this as a secondary metric. Metro Vancouver is working with UBC to apply behavioiur insights strategies to improve our understanding of why material is being disposed, especially when reduce, reuse, repair and recycling alternatives exist. Staff will consider how best to report out on any behaviour insights findings.
512	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Remaining incineration capacity (years and tonnes left until a rebuild/major retrofit is required)	Metro Vancouver intends to publically report out on the disposal capacity remaining in the region
513	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: GHG from transport of waste (from collection location to end fate)	GHG from transportation are included in the Climate 2050 reporting as well as in the Corporate Climate and Energy Performance Report.
514	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: GHG from disposal facility by each facility (include both biogenic and non-biogenic), show % of each.	Metro Vancouver will continue to report GHG emissions from disposal as part of our Climate 2050 work and will continue to follow international reporting standards.
515	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: GHG reductions associated with solid waste and consumption	Strategy 1.4 looks to better understand the climate benefits of waste reduction. More work is needed before this could become a standard reporting metric; therefore, this work is part of the strategies and actions not part of the secondary metrics.
516	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Show energy input and wasted at each facility	Metro Vancouver reports corporate energy consumption in the Corporate Climate and Energy Performance Report
517	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Clear costs of disposal per tonne by disposal methods and not including transfer station costs, only transportation from there to landfill or incinerator (which again should be separate by each location)	Metro Vancouver intends to continue to report out on the cost per tonne of disposal capacity but does not intend to include it as a secondary metric.
518	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Clear costs for incinerator maintenance (capital and anything in the contract)	Metro Vancouver intends to continue to report out on the cost of running the waste-to-energy facility as part of the facility repoting and budgeting processes but does not intend to include it as a secondary metric.
519	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Do not show homes powered by incineration as this is misleading	The metric of number of homes powered by an energy source is a common way of communicating the amount of power generated to a public audience. Metro Vancouver intends to continue to communicate to the benefits of waste-to-energy to the public in an accessible way.
520	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: % loads enforced	This information is collected and publically available through an annual report from staff to the Zero Waste Committee. Staff will consider if it warrants also being part of regular annual reporting as part of the plan implementation
521	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: % loads in clear bags	Metro Vancouver intends to look at the possible enhancements to the disposal ban program and possible alternative upstream interventions and implement the ones with the best business case to meet the plan goals in an affordable way. It is unlikely that there is a practical and accurate way to report on % of clear bags disposed annually, but it will be considered during implementation.
522	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: GHG - consumption-based emissions, if showing recovery for fuel, need to show what was lost by burning it.	Strategy 1.4 looks to better understand the climate benefits of waste reduction. More work is needed before this could become a standard reporting metric; therefore, this work is part of the strategies and actions not part of the secondary metrics.
523	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Wildlife garbage interaction statistics	This may be considered during implementation if data is avaialble and there is willingness on the parties that collect this data to voluteerily share it.
524	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Illegal dumping statistics	Metro Vancouver will consider this feedback during plan implementation. Metro Vancouver does aggegrate information from members on illegal dumping and has previously reported out publically on the data to the Zero Waste Committee. Staff will look at if this can be included in annual reporting.
525	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Waste composition (at least every three years and by sector)	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified language in strategy 1.2 to include co-develop industry supported targets and standard methods of tracking waste prevention performance by business type.
526	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Diversion rates (for the whole community and by sector) (as defined above)	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified sector diversion targets Staff will continue to report on diversion rate by sector
527	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Total waste disposed (for the whole community and by sector)	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified that annual reporting will include both total disposal and per capita disposal rates
528	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Secondary Metrics, add the following to Dispose: Total discards generated (for the whole community and by sector)	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified that annual reporting will include both total generation and per capita generation rates
529	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Overall commit to reporting -annual and biennial, include % spend by hierarchy level and actions conducted focused on sectors	Metro Vancouver will consider this feedback during plan implementation.
530	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Alignment with Provincial Initiatives: Add other provincial work such as single use plastics, expanding EPR, examining non-residential packaging and paper and improving organics collection and processing.	Staff considered this feedback and made the following changes to the initial draft Solid Waste Management Plan: – Updated the provincial alignment section to acknowledge how provincial work directly supports Metro Vancouver's waste-reduction efforts.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
531	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Alignment with Provincial Initiatives: Note the provincial guideline says very clearly that there is no need to align to the provincial hierarchy and in fact many do not (e.g. .RDN, City of Victoria, City of Vancouver, etc.). Suggest removing that paragraph and using the Zero Waste hierarchy instead.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
532	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Alignment with Metro Vancouver plans: For Climate 2050 -Do not use offsets, instead ensure the plan is developed to eliminate emissions which should: 1. reduce waste, 2. close the incinerator, 3. change to electric or LFG transport, 4. Plan that the next SWMP examines Material Recovery Biological Treatment (MRBT) for remaining waste.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified the description of climate targets which includes how waste reduction with a focus on diversion of organics will support reduction in disposal emissions.
533	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	Alignment with Metro Vancouver plans: For Liquid Waste -do not plan to burn biosolids. Look to make the biosolids cleaner by reducing contamination at source as well as post collection treatment.	Metro Vancouver's biosolids team continue to pursue alternatives to waste-to-energy for biosolids with waste-to-energy being a last resort
534	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	License haulers and all processing facilities; develop accountability systems including data reporting and verification (especially for C&D)	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing
535	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Promote renovation and retrofit options versus newbuilds	The initial draft solid waste management plan included the following: - 3.3.2.3 Motivate residents to incorporate more used building materials into their home renovation projects.
536	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Create a municipal template and toolkit for building removal bylaws that include house moving and deconstruction	The initial draft solid waste management plan included the following: -Metro Vancouver and member jurisdictions will collaborate to: 3.1.2.Develop, test and share improved tools and approaches for house relocation and deconstruction programs and policies including data review.
537	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Rethink Strategy/Action	Collect and share data on consumption based emissions (1.4)	Thank you for your support for this strategy
538	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Map out assets that can be shared -community reuse, repair and sharing (Squamish is working on it, Share Reuse Repair has some for the Lower Mainland and Portland, OR is a good example.) -can do this in partnership with RCBC. (goal 2)	The initial draft solid waste management plan included the following: -3.5.4.Research, trial and implement additional ways to scale reuse and repair. 3.5.4.1.Support community-based waste reduction and reuse programs for schools, non-profits organizations and community groups 3.5.4.2.Expand and improve convenience of online and in-person second-hand marketplaces. 3.5.4.3.Facilitate expansion of community-based solutions like community share fridges and buy-nothing groups.
539	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	For all actions that say advocate, also add implement where feasible (example 3.1.1)	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: --Strengthened language throughout the plan where Metro Vancouver can directly implement actions Avocate is used in cases where Metro Vancouver does not have authority or ability to directly implement actions
540	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Encourage reuse of additional items, encourage the addition of more material in the SUP bans, systems to reduce use of bottled water (goal 3)	The Solid Waste Management Plan focuses on transitioning to reuse. It also looks to work with national plastics orgnization to reduce plastic waste and to advocate for the phase-in of regulations that eliminate unnecessary, problematic, non-recyclable products and packaging (1.1.2).
541	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	Strategy 3.2 is in the reuse section so it needs to highlight requirements for programs to redesign, reduce, offer repair, longer life spans, supporting reuse, resale, refurbishment, collection of parts, parts availability, etc.	3.2.4.4.The inclusion of reuse and repair in extended producer responsibility programs intends focus on development of reuse and repair infrastrcuture which could include some of the more specific examples listed in this feedback.
542	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	3.2.1 include C&D materials	Metro Vancouver will consider this feedback during plan implementation.
543	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	3.3.1 and lead by example in MV and municipal projects.	The initial draft solid waste management plan included the following: 1.2.1.Lead by example by integrating additional waste prevention policy and programs within Metro Vancouver's corporate operations and share learnings with other jurisdictions.
544	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	3.3 also Set up systems to address costs of material storage (using public land or providing support) - Open land uses to recycling and facilitate land for receiving facility use with industrial rezoning and cost reductions - Create an environment to increase processing capacity and business opportunities for C&D resources	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan includeing prioritizing the development of local facilities and collection programs for triaging buildign materials to their best and highest use.
545	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	3.3.3.2 add implement, including use of incinerator land for a C&D reuse hub.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan
546	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reuse Strategy/Action	3.4.2 consider EPR program funding as in France	Metro Vancouver's role in extended producer responsibility programs is pirmarily advocacy. This feedback will be considered as part of strategy 3.2 enhance extended producer responsibiliyt programs.
547	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.1.1 and implement; also support federal initiatives for more clear labelling and reporting	Metro Vancouver intends to continue to encourage clear labelling and reporting for packaging materials through strategy 1.1 advocate for circular economy policies and programs, strategy 3.2 enhance producer responsibiliy programs and strategy 4.4 make recycling easier by improving convenience.
548	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.1.1.1 and the phaseout of non-recyclable or hard to recycle materials or contaminants	This is covered 1.1.2. advocate for the phase-in of regulations that eliminate unnecessary, problematic, non-recyclable products and packaging.
549	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.2 add implement a book recycling collection and processing system; implement a furniture collection and processing system.	The initial draft solid waste management plan included the following: -3.5.3 accelerate of donation collection options for reusable items such as clothing and books in multi-family buildings -3.2.4.6. advacoate for extended producer responsibility programs that reduce barriers for recycling large items.
550	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.2.2 and develop regionally-owned organics processing infrastructure	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language in 4.2.2 to say support the development of additional local organics processing through leveraging Metro Vancouver procurement processes for organics management from Recycling and Waste Centres.
551	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.2.3 start a wood waste reuse innovation hub instead of burning it; better to phase out plastic-lined paper product and switch to reuse	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: --Strengthened language throughout the plan including 3.3.2.1.prioritize the development of local facilities and collection programs for triaging building materials to their best and highest use
552	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.3 and for institutions as well	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added institutions to 4.3
553	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.6.1 and provide technical assistance /coaching	The initial draft solid waste management plan included the following: 2.1.4.2.Increase in-person education where businesses and others can talk directly with experts on how to reduce waste.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
554	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.7.1 and organics facilities	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Addedorganics facilities to 4.7.1
555	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.8.1 mandate use of clear bags	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency
556	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.8.2 instead mandate source separated collection like RDN	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
557	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	4.8.4 don't explore, commit to inspect 90% of loads by 2030	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added clear bags as an option to enhance disposal ban inspection efficiency -Strengthened langauge to say pursue instead of explore
558	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	Goal 5 this should not be a goal; the recovery of materials should happen but not for energy and not to direct staff time to this at expense of action above. Eliminate this section, if it still exists -only list ways to recover materials (not energy) and concentrate on getting materials back that should not have been used such as toxics like asbestos and mercury	The plan includes an intention to reduce the amount of diversion that consists of recovery. Recovery helps reduce GHG emissions by creating alternatives to fossil fuels, which is considered preferable to disposal.
559	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recover Strategy/Action	5.1.3 note use of ash is not beneficial but instead a way to spread toxic materials that will be almost impossible to track. It represents risk	A key requirement of any beneficial use opportunity is assurance that use of the ash will not lead to human health or environmental impacts. Any beneficial use of the bottom ash would require approval of the Ministry of Environment and Climate Change Strategy On May 20, 2021, the Ministry of Environment and Climate Change Strategy approved Metro Vancouver's 2020 Bottom Ash Management Plan. The 2020 Plan allows for the potential beneficial use of bottom ash that has been processed through the Waste to-Energy Facility's non-ferrous metal recovery system at cement plants.
560	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Goal 6 need section for disaster debris (perhaps incentivize disaster preparedness to preserve both life and property; Work with organizations that make decisions during disasters to prioritize waste minimization; Develop regional strategies for managing waste from natural disasters and land use changes)	Metro Vancouver will be working with interested member jurisdictions to update the Regional Disaster Debris Management Plan that was developed in 2017
561	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	6.1.1 add work with CoV for inspecting almost all loads, and work to decrease the amount of landfill cover and other non-waste materials to the minimum required	This is substantively covered by action 6.4.5 Work with the City of Vancouver and the City of Delta to pursue opportunities for beneficial use of soil within the Vancouver Landfill property so as not to displace garbage disposal capacity. And strategy 4.8 Enhance approach to Metro Vancouver's disposal ban program.
562	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	6.1.2 change to committing to phase out the waste to energy facility by 2030 (and then no longer using waste to energy or incineration by any name). Failing that, commit to best in class pollution emissions levels and testing. Also commit to comprehensive testing for dioxins around the facility overseen by a committee including health authorities, community groups, environmental groups, and local First Nations. Definitely no "promotional tours". Stop the connection to district energy and instead support a truly renewable source of energy for district energy.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
563	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	6.1.3 replace with explore use of other landfills as needed until the waste levels are reduced, ensuring they meet the highest environmental standards.	According to Metro Vancouver's current waste generation projections, there is sufficient capacity to manage most garbage through the Vancouver Landfill and Waste-to-Energy Facility, with some contingency remote disposal under contingency contracts currently required. No new long-term disposal capacity is currently anticipated over the duration of this plan, but in the event If new long-term disposal capacity is required in the future, Metro Vancouver will research, review, and evaluate options. The residual management strategic approach commits Metro Vancouver to high envirionmental standards when evaluating new options.
564	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	6.2 same as 6.1.3	According to Metro Vancouver's current waste generation projections, there is sufficient capacity to manage most garbage through the Vancouver Landfill and Waste-to-Energy Facility, with some contingency remote disposal under contingency contracts currently required. No new long-term disposal capacity is currently anticipated over the duration of this plan, but in the event If new long-term disposal capacity is required in the future, Metro Vancouver will research, review, and evaluate options. The residual management strategic approach commits Metro Vancouver to high envirionmental standards when evaluating new options.
565	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	6.3 delete this and commit to not using thermal treatment of waste, including at cement kilns	Metro Vancouver intends to continue to use recovery as a tool to reduce disposal of materials that cannot readily be recycled.The plan includes an intention to reduce the amount of diversion that consists of recovery. Recovery helps reduce GHG emissions by creating alternatives to fossil fuels, which is considered preferable to disposal.
566	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	6.3.2 advocate for provincial hauler licensing and data reporting	Hauler licensing is included as an example future Metro Vancouver regulatory enhancement. Any new regulatory measure will be accompanied by a transparent and meaningful engagement process.
567	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	6.4.4 this is regular waste. Instead work to educate the staff and any others on the nature of hospital waste versus biomedical waste (as defined by CSA). It should go in the regular systems. Any issues will be identified through the increased inspection of all loads	The Solid Waste Management Plan commits to working with sectors including health care to reduce waste and responsibly manage their remaining waste.
568	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	6.6 add a strategy to address wildlife attractant management (type of bins, timing of set out); also add advocate for litter cleanup to be included as part of EPR program responsibility (like in France)	Reducing impacts on wildlife is considered through actions which support reduction of plastics contamination in green bin programs, and strategy 4.9 which supports reduction in litter and illegal dumping. Staff will continue to advocate for improvements to EPR under strategy 3.2 enhance extended producer responsibility programs.
569	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Dispose Strategy/Action	Add 6.7 develop ways to increase implementation of pay as you throw	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added additional details on the user pay principle of the regional solid waste system.
570	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	For all actions, make 10 year timeline and show how they will evolve from testing, encouraging and piloting to revising, implementing, rolling out solutions, partnering, regulating , enforcing (example 4.5.1, 4.6.1.2)	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation -Provided more details on implementation schedule -Highlighted key focus areas that will drive progress toward the plan's targets.
571	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	Metro Vancouver's regulatory role: The RDN has proven it is possible for a regional district to be empowered to enact bylaws at the generator and property level.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
572	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regulatory Strategic Approach	An additional consideration should be collaborating with neighbouring jurisdictions on regulation.	Metro Vancouver will consider this feedback during plan implementation.
573	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycling and Waste Centre Strategic Approach	Table 5 -first bullet add in Reuse and recycling before the scale at all facilities	Reuse is covered in 3.5.1 continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres

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574	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycling and Waste Centre Strategic Approach	Commit to not using incinerator ash in construction	A key requirement of any beneficial use opportunity is assurance that use of the ash will not lead to human health or environmental impacts. Any beneficial use of the bottom ash would require approval of the Ministry of Environment and Climate Change Strategy On May 20, 2021, the Ministry of Environment and Climate Change Strategy approved Metro Vancouver's 2020 Bottom Ash Management Plan. The 2020 Plan allows for the potential beneficial use of bottom ash that has been processed through the Waste to-Energy Facility's non-ferrous metal recovery system at cement plants.
575	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycling and Waste Centre Strategic Approach	Look to add options for transit users (not just about drive times)	
576	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Should not reference cost unless willing to share actual calculations as misleading.	On May 20, 2021, the Ministry of Environment and Climate Change Strategy approved Metro Vancouver's 2020 Bottom Ash Management Plan. The 2020 Plan allows for the potential beneficial use of bottom ash that has been processed through the Waste to-Energy Facility's non-ferrous metal recovery system at cement plants.
577	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Future Disposal Capacity: Commit to conducting a residual disposal needs assessment based on the phaseout of the incinerator, a commitment to no thermal treatment for future disposal, ambitious zero waste targets and suitable procurement processes for any external landfills. Use this to help motivate the citizens and organizations to reduce their waste.	
578	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Table 6 criteria: Economic should also include opportunity cost, future capital costs	The technical criteria for evaluating residual waste management options includes overall costs as opportunity cost in comparison to alternative investments.
579	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Table 6 criteria: Environmental should also include requirements for comprehensive testing and monitoring of all pollutants.	The technical criteria for evaluating residual waste management options includes the potential to emit emission/discharge to air, land and waster, GHG emissions, dust and noise
580	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Table 6 criteria: Regulatory compliance -weak as obviously need to meet regulations. Should be a leader as in "meet or exceed strongest environmental standards globally"	Regulatory compliance is just one consideration, envirionmental considerations are also included
581	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Residual Management Strategic Approach	Table 6 criteria: Resource use -delete "energy generation and use…" as will always waste more energy than it took to make the items so should not be a focus, instead look at the potential to understand what remains in the waste and why and ability to decrease the waste; ability to inspect loads, enforce bans, etc.	The Solid Waste Management Plan prioritizes waste reduction over disposal. The criteria apply for only the waste that remains after waste reduction and recycling efforts are maximized . Energy generation is an option for landfills as well as other disposal options, and helps to address affordability and greenhouse gas reduction goals. Metro Vancouver intends to improve affordability and greenhouse gas reductions by capturing energy from disposal options when feasible.
582	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Recommend planning to change to have some costs paid by taxes as waste decreases (i.e. plan for success) as otherwise may be hard to fund the ongoing landfill and recycling/organics infrastructure as waste decreases.	There are no current plans to pursue additional funding of the solid waste utility through taxes.
583	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Table 7 - Do not include this if not making the full spreadsheet on how this was calculated available as misleading and unproven.	The level of detail provided in the plan is typical of regional solid waste plans. Additional details were provided to the October 9 2026 Zero Waste Committee and are publicly available in the Manager's Report. https://metrovancouver.org/boards/ZeroWaste/ZWA-2025-10-09-AGE.pdf.
584	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Also note the recycling costs should not be quoted unless also noting how much has been recovered under EPR program or material sales.	Metro Vancouver will consider this feedback during plan implementation.
585	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	All capital costs recent and future (at least next ten years) should be clearly mapped out.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview section -Provided more details on implementation schedule
586	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	Note comparison to other cities tipping fees is irrelevant unless also comparing services, ambition level and success rate, and other revenue sources (such as taxes, etc.). Also note that none of these are in BC which has a very different regulatory regime to these other jurisdictions.	Comparisons to other jurisdictions are helpful for benchmarking but not always directly comparable due various difference.
587	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Regional District Collaboration	The sentence "Waste-to-energy continues to be a cost effective and environmentally responsible method to manage residual garbage, and the facility's contributions of nitrogen dioxide, fine particulates, and anthropogenic (human caused) greenhouses gases are less than 1% of regional emissions" should be removed. All arguments for its cost effectiveness have not been proven. The WTEF is one of the top 25 point sources of GHGs annually and a quick look at the budget shows it will cost as much or more for the WTE facility to manage 25% of the waste than for the other 75%. Dilution is not the answer to pollution so the % of one point source against whole categories of polluters is not relevant. What matters is that this very large source of pollution could easily be eliminated. And that this would then show collaboration with a neighbouring regional district which may open the door to partnership on actual zero waste initiatives.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
588	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Risk Analysis	A risk assessment should be done on the continued use of the incinerator from a financial, public health, environmental health, regulatory and pollution mitigation perspectives. This should be done with oversight from independent relevant organizations.	A third-party study in 2018, Waste-to-Energy Facility Public Health Risk Assessment, concluded that the current emissions from the facility do not pose a health risk to people. An updated public health risk assessment is being developed in consultation with Vancouver Coastal Health and Fraser Health.
589	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Plan Monitoring	Commit to releasing all consultants' reports (including past ones like the 3Rs study, those done on Multifamily, ICI and C&D and the incinerator condition assessment).	Metro Vancouver will consider this feedback during plan implementation.
590	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Diversion -Add one for diversion which is materials discarded but processed through recycling, composting or anaerobic digestion (plus composting).	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added a definition for diversion
591	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Recycling -must exclude use for energy (example refuse derived fuel, burning clean wood waste)	Recycling does not include use for energy in the Solid Waste Management Plan
592	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Recover -eliminate energy part to match Zero Waste Hierarchy. Note recovery of materials from unsorted waste that get recycled are counted as recovered, not recycled.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
593	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Glossary	Zero Waste -use ZWIA definition.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
594	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	The draft SWMP does a good job identifying the various Metro Vancouver plans and strategies that are connected to solid waste management, including Climate 2050, air quality management, and the Regional Growth Strategy. However, the plan largely stops at listing these connections and does not explain how the SWMP operationalizes or advances the objectives set out in those other documents.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -clarified that carbon neutrality will be achieved through waste reduction and "offsets" from carbon reduction projects such as electrifying waste transport
595	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	A clear example of this gap is the relationship between the SWMP and Climate 2050. Climate 2050 explicitly states that future actions to reduce and o set emissions from solid waste disposal are not included in the Climate 2050 primer, but instead are identified within the Solid Waste Management Plan, with the goal of achieving carbon neutrality for solid waste disposal by 2050. This places a significant responsibility on the SWMP.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -clarified that carbon neutrality will be achieved through waste reduction and "offsets" from carbon reduction projects such as electrifying waste transport
596	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	However, the draft SWMP does not clearly articulate how its strategies and actions move Metro Vancouver toward that carbon neutrality goal. If carbon neutrality is the objective, then ultimately landfilling and incineration must be eliminated or reduced to near zero. The plan does not clearly describe how Metro Vancouver transitions from today's system to that end state, nor does it define what "zero waste" looks like in practical, operational terms.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -clarified that carbon neutrality will be achieved through waste reduction and "offsets" from carbon reduction projects such as electrifying waste transport
597	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	I would expect to see a clearer narrative along the lines of: where emissions from solid waste disposal stand today; where they are projected to be without the implementation of this plan; and what measurable impact the SWMP is expected to have on emissions, diversion, and disposal over time. Without that, it is difficult to understand how this plan supports Climate 2050 beyond broad alignment statements.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -clarified that carbon neutrality will be achieved through waste reduction and "offsets" from carbon reduction projects such as electrifying waste transport

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598	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	This lack of clarity also creates internal tension within the plan. For example, Strategy 6.3 states that Metro Vancouver will explore additional long-term disposal capacity if required. While it is realistic to acknowledge that disposal will continue to play a role in the near term, the plan does not explain how ongoing landfill or incineration capacity aligns with a stated objective of carbon neutrality by 2050. The trade-offs between short-term capacity needs and long-term climate commitments need to be explicitly addressed.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -clarified that carbon neutrality will be achieved through waste reduction and "offsets" from carbon reduction projects such as electrifying waste transport
599	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Because this is a plan, it should clearly define actions. In its current form, many strategies and actions are described at a high level, but without clearly defined outcomes, timelines, or performance targets. Without those elements, the SWMP risks becoming a plan to develop future plans rather than a document that drives measurable change.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Provided more details on implementation schedule
600	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	For key actions, I would expect to see clarity on what will be implemented, what the expected impact is, and how success will be measured. This includes targets for waste reduction, diversion, and emissions, as well as interim milestones that allow progress to be tracked over time.	Targets were set based on current waste composition data and are meant to be ambitious but achievable.
601	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Defining actions in this way is especially important given the ambitious goals referenced elsewhere, such as carbon neutrality. Without clear actions and associated impacts, it is difficult to assess whether the plan is realistically capable of delivering on those commitments.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -clarified that carbon neutrality will be achieved through waste reduction and "offsets" from carbon reduction projects such as electrifying waste transport
602	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	The SWMP places significant emphasis on source separation, which I fundamentally agree with. Source separation is essential and should remain the primary strategy. However, if the plan relies this heavily on source separation, it must also be more explicit about enforcement mechanisms, minimum standards, and financial incentives or penalties that drive behavior change.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
603	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Reduce Strategy/Action	Much of the language in the plan focuses on collaboration, encouragement, and support. While these approaches are important, they are generally insufficient on their own to deliver consistent, region-wide outcomes. For example, Action 2.1 refers to collaborating with businesses and institutions to reduce waste at the source, but does not clearly define minimum requirements such as mandatory three-bin systems or standardized separation practices.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Strengthened language throughout the plan (eg. from explore to implement).
604	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Recycle Strategy/Action	Similarly, Action 4.4 refers to making recycling easier by improving convenience, but does not clearly state that all Metro Vancouver residents should have access to a three-bin system, nor does it address consistency in what materials are accepted across drop-o centers. I am also missing a clear application of the polluter-pay principle. In my view, recycling and organics diversion should be free or low-cost, while disposal should become increasingly expensive. Financial signals are among the strongest tools available to influence behavior.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
605	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	I believe the plan needs to acknowledge a practical reality: source separation remains a major challenge in multi-residential housing across North America. Metro Vancouver is not unique in this regard, and the plan should not assume perfect participation or outcomes. While source separation should remain the primary pathway, the region also needs an insurance policy.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
606	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	That insurance policy means continuing to explore and evaluate other treatment and recovery options for residual waste, particularly for streams that are difficult to separate at source. This should include learning from other jurisdictions and working with other communities that are facing similar challenges. A resilient system recognizes that not all waste will be perfectly separated and plans accordingly.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
607	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	General	The final and most significant gap, in my view, is accountability. The plan proposes the creation of a Plan Monitoring Advisory Committee, which is a constructive step. However, the plan does not clearly define how success or failure will be measured, reported, or acted upon.	The plan monitoring section of the Solid Waste Management Plan outlines how the Ministry of Environment and Parks, the Plan Monitoring Advisory Committee and other committees with provide this function during the implementation of the plan. In also includes other plan monitoring activities to continuously improve reporting and transparency.
608	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Targets/Metrics	Metro Vancouver has set ambitious targets in the past, yet those targets are never met. A credible plan should explicitly describe how accountability is enforced when outcomes fall short. At a minimum, reporting under the SWMP should clearly answer the following questions: what was the plan; where are we today; did we meet our targets; if not, why not; what corrective actions are required; and what impact those actions are expected to have.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita. This aligns with the 5 year plan review which is an opprotunity to assess and pivot if actions are not having the intended impact
609	20-Feb-26	Email	Public/Technical Advisory Committee (PTAC)	Advisory Committee	Financial Overview	I also believe actions under the plan should be evaluated based on outcomes and cost effectiveness, not just activity. For example, if an education campaign costs one million dollars per year but only reduces waste by a small amount, it is reasonable to question whether that action should continue or be redesigned. Benchmarking actions based on cost per tonne diverted or emissions reduced would significantly strengthen accountability and decision-making.	The Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics. Annual reporting will indicate how funds were allocated to Solid Waste Management Plan initiatives including corresponding metrics on the effectiveness of each, such as progress toward plan targets and improvements in secondary metrics. This reporting strategy will assist in prioritizing funding and informing where investments can be most strategically allocated.
610	20-Feb-26	Email	Public	Public members-at-large	Reduce Strategy/Action	Waste reduction and diversion rate improvement in multi-family buildings: There is no clear indication of "how" and with "what tools" the plan is going to reach the targets,	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including a focus on reducing multi-family and commercial/institutional organics -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation The initial draft solid waste management plan included several strategies focused on multi-family education including: -4.4.3.Update, test, and share multi-family residential (including small scale multi-unit housing) waste and recycling container space and access technical specifications to support adequate space for expanded recycling - 3.5.3.Accelerate adoption of donation collection options for reusable items such as clothing and books in multi-family buildings. -4.3.2.Work collaboratively with the solid waste and recycling industry to increase participation and reduce contamination in organics programs focusing on sectors with the lowest participation rates and highest contamination rates. -4.3.4.Promote and provide education on worm bins, home composting, proper use of green bins, and use of compost products. -4.3.3.Continue to provide tools and tips to residents to reduce green bin related concerns such as odours and cleanliness.
611	20-Feb-26	Email	Public	Public members-at-large	Reduce Strategy/Action	There are no direct actions supporting multi-family buildings such as inspections or monitoring	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including a focus on multi-family -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation Multi-family specific actions include: -Update, test, and share multi-family residential (including small scale multi-unit housing) waste and recycling container space and access technical specifications to support adequate space for expanded recycling -Collaborate with producer responsibility organizations to support tailored education for multi-family. -Research and test technologies and share approaches to providing tailored public education on proper residential recyclables sorting.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
612	20-Feb-26	Email	Public	Public members-at-large	Financial Overview	There is no clear allocated budget towards the targets in the plan	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview section
613	20-Feb-26	Email	Public	Public members-at-large	Recover Strategy/Action	Diversion rates, in general: There are new targets, but no specific tools to get there	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets.
614	20-Feb-26	Email	Public	Public members-at-large	Financial Overview	There are no costs allocation to actions and systems in the plan	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview section
615	20-Feb-26	Email	Public	Public members-at-large	Reduce Strategy/Action	Waste reduction and diversion in ICI, C&D: some targets but no new funding, or new regulation	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets. -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
616	20-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	Incineration There is extensive research showing that toxins are dispersed from incinerators burning waste goes against the direction of better recycling and composting organic waste The western world is moving away from incineration	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
617	20-Feb-26	Email	Public	Public members-at-large	Reduce Strategy/Action	Food waste in our systems and society Not clear enough not strong enough targets and tools to reduce food waste	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including reducing food waste in multi-family and commercial sectors -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
618	20-Feb-26	Email	Public	Public members-at-large	Education and Outreach	Waste reduction education and diversion enhancement No strong tools and budgets for enhanced waste reduction	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added more clarity on the budget process and plan financial overview -Highlighed focus areas that will support reaching the plan targets including education for multi-family and business
619	20-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	Overall, the plan talks about targets in 2040 and 2050, with no clear interim targets. The plan also does not provide a strong method for how the targets are going to be achieved.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Added 2036 targets and a 5-year target for disposal per capita.
620	20-Feb-26	Email	Public	Public members-at-large	Regulatory Strategic Approach	The plan lacks clear vision and new "tools", bylaws, and other ways to reach the goals set.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including reducing food waste in multi-family and commercial sectors -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation
621	20-Feb-26	Email	Member Jurisdiction	Local government	Reduce Strategy/Action	A letter formally transmits Council's referral and communicates Council's interest in collaboration on organic waste reduction and management. Council has directed City of Vancouver staff to engage with Metro Vancouver on opportunities for coordination consistent with the intent of the motion. 4. Large commercial generators of organic waste, including grocery stores, wholesalers, distributors, and food processors, produce a substantial share of the organic material entering the waste stream, much of which continues to be disposed of in landfill bound garbage; 5. Despite existing organics bans and diversion requirements, compliance across the commercial sector remains inconsistent, and organic waste continues to be directed to landfill due to operational, financial, and logistical barriers faced by businesses; 6. Reducing organic waste at the source and improving diversion to the highest possible end uses, including recovery, reuse, and low emissions processing, is among the most cost effective, immediately available, and high climate impact actions to reduce methane emissions from the waste sector; 7. Food recovery organizations operating in Vancouver currently support the diversion of edible surplus food from disposal, contributing to greenhouse gas emissions reductions by preventing organic material from entering landfill, while also supporting broader circular economy outcomes; 8. Exploring the role of food recovery partners as part of a wider organic waste reduction strategy can help the City better understand how prevention, recovery, and diversion can work together to meet CEAP waste sector targets;	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including a focus on reducing multi-family and commercial/institutional organics -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation The initial draft solid waste management plan included several strategies focued on food reuse and recovery including: -2.3 Prioritize food waste reduction initiatives for the commercial and institutional sectors -3.4 Work with businesses, institutions and event organizers to increase reuse including food recovery -3.6 Scale up efforts to recover food
622	20-Feb-26	Email	Nonprofit organization	Nonprofit organization	Regulatory Strategic Approach	RCC encourages Metro Vancouver to pursue harmonized actions at the highest jurisdictional level possible to achieve the best environmental outcomes at the lowest cost. Retailers are open to the use of landfill disposal bans to drive diversion, but such measures should remain outcome-based and avoid prescribing how businesses must comply. encourage Metro Vancouver to ensure that proposed strategies are harmonized with or identical to existing provincial and federal frameworks and implemented in a manner that reflects jurisdictional roles, operational feasibility, and the financial implications to businesses and consumers.	The initial draft solid waste management plan included the following: -working with municipalities across Canada to develop and advocate for implementation of priority circular economy policies. -collaborate with various national organization such as Canada Plastics Pact, and Canadian Circular Textiles Consortium which include industry leaders to drive industry lead circular initiatives These collaborative approaches aim to bring the consistency that retailers seek.
623	20-Feb-26	Email	Nonprofit organization	Nonprofit organization	Targets/Metrics	RCC recommends that Metro Vancouver engage stakeholders and review the data that is currently being reported. RCC also recommends that Metro Vancouver collaborate with the entities where this data is reported, including producer responsibility organizations (PROs) and provincial and federal government to share data, making use of existing data that businesses are already reporting including provincial EPR programs and federal reporting initiatives such as the Federal Plastic Registry. This will help ensure that there is no duplication of reporting requirements which create red tape and place administrative burdens on businesses.	Thank you for your feedback. Metro Vancouver staff will work with industry associations and others to streamline aministrative processes to the best of our abilities.
624	20-Feb-26	Email	Nonprofit organization	Nonprofit organization	Rethink Strategy/Action	RCC recommends that initiatives aimed at increasing reuse, repair, recyclability and recycled content be internationally harmonized with Canada's major trading partners. Aligning design related objectives internationally will help ensure that products sold into the Canadian market can meet reuse and recycling outcomes without creating fragmented design expectations that cannot be operationalized within today's global supply chains or resulting in significant cost increases to both businesses and Canadian consumers.	Metro Vancouver intends to collaborate with businesses and insitutions to achieve the goals through actions such as co-creating programs and supporting sharing of best practices. This work is intended to align efforts to reduce systems costs for both business and residents.
625	20-Feb-26	Email	Nonprofit organization	Nonprofit organization	Circular Economy	RCC recommends that any requirements related to reusable food service ware be harmonized at the national level to ensure consistency across jurisdictions and alignment with how food service packaging systems are designed, supplied and managed. In the absence of national coordination, initiatives related to reusable food service ware should remain voluntary, as regional mandatory requirements risk creating fragmented compliance obligations for multi-site operators and may conflict with ongoing provincial EPR modernization efforts for packaging and paper products.	Metro Vancouver will consider this feedback during plan implementation.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
626	20-Feb-26	Email	Nonprofit organization	Nonprofit organization	Regulatory Strategic Approach	RCC is concerned about the Plan's identified priority to advocate for the expansion of provincial EPR programs to additional product categories such as textiles and furniture. • Textiles are a category with a strong second-hand reuse market, which is a preferable outcome in the waste management hierarchy as identified in the Canada-wide action plan for EPR. Obligating these products under EPR would negatively impact these reuse markets and the businesses that support them. Currently there are no other Canadian jurisdictions that have obligated clothing and textiles as there is significant lack of infrastructure to effectively sort, process and recover materials from this category. Clothing and textile recycling systems are in their initial stages in Europe, and RCC understands that there have been significant challenges in their rollout. A lack of end-markets means that collected textiles are primarily being diverted to landfills or shipped to developing countries. • Furniture, as with clothing and textiles, is a product category with a strong second-hand reuse market. EPR obligations for these products would have negatives impacts on the secondary reuse market and the businesses that support it. These products are bulky, costly to manage and the infrastructure does not exist to effectively recover the materials. If furniture is obligated under EPR it would result in high EHFs, creating affordability concerns for consumers. RCC recommends Metro Vancouver work with other jurisdictions to review the infrastructure and technology available for the appropriate end-of-life management of these items. EPR expansion into these categories should not be pursued until such a time that they can be well managed for a reasonable consumer cost and with an improved environmental outcome.	Metro Vancouver intends to continue to advocate for hard to recycle materials being added to EPR in order to meet our waste reduction targets. This work will be complemented by work with businesses to improve end-markets and adopt circular design and business models in these categories so that the transition is more affordable for busisness and residents. For example, the initial draft solid waste management plan included the following: -advocacy for funding support for businesses to support their transition towards lower waste and circular operations.
627	20-Feb-26	Email	Nonprofit organization	Nonprofit organization	Regulatory Strategic Approach	RCC wants to ensure that measures to reduce food waste consider and address health and safety concerns. RCC also recommends that any measures, voluntary or otherwise, developed from this Plan include appropriate infrastructure investment and implementation timelines to support participation, enable behaviour changes and minimize unintended financial impacts to businesses and consumers.	Metro Vancouver intends to continue work such as the food recovery network which supports businesses to navigate food donation, sale of surplus food and food remanufacturing in a voluntary and supportive way.
628	20-Feb-26	Email	Nonprofit organization	Nonprofit organization	Regulatory Strategic Approach	RCC recommends that Metro Vancouver support innovation through voluntary programs that are harmonized and aligned with provincial and federal efforts. This will help ensure harmonized opportunities for scalable solutions and support innovation and funding for reuse, refill and repairs initiatives across jurisdictions, which will help reduce barriers to adoption and enable widespread participation by multi-site operators.	Metro Vancouver plans to explore all options to expand reuse in the most consistent way feasible including: -3.1.3.Update the regionally harmonized approach to reducing single-use items and phasing in reuse measures. -3.1.1.Advocate for the phase in of reusable food service ware requirements for non-residential sectors. -3.4.4.Develop, test and share best practices for waste reduction and recycling for public realm events, prioritizing surplus food redistribution, use of reusable food service ware, and litter reduction. 3.2.4.4.[advocate for] the inclusion of reuse and repair in extended producer responsibility programs.
629	20-Feb-26	Email	Member Jurisdiction	Local government	Regional District Collaboration	Municipal implementation pathways could be made clearer. While the plan outlines regional advocacy and collaboration, it is less explicit about how member jurisdictions like Coquitlam can translate these ambitions into local regulatory or programmatic actions (e.g., zoning, development approvals, procurement).	Metro Vancouver will address this feedback during plan implementation.
630	20-Feb-26	Email	Member Jurisdiction	Local government	Regional District Collaboration	Construction and demolition (C&D) waste prevention is a strategy Coquitlam wants to put more emphasis and build more public awareness around •Market readiness and municipal capacity vary, and the plan assumes a level of reuse and deconstruction infrastructure that is not evenly distributed across the region.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -strengthened actions to triage building materials to their best and highest use as these materials are often the most common waste generated from densification
631	20-Feb-26	Email	Member Jurisdiction	Local government	Regional District Collaboration	•There is limited discussion of how municipalities can assess their existing building stock to identify reuse and deconstruction opportunities in a systematic way.	Work with members and internal stakeholders on procurement practices is included in strategy 1.3 which includes an action to develop, test and share circular procurement approaches, tools and templates. Staff are working on a corporate deconstruction toolkit.
632	20-Feb-26	Email	Member Jurisdiction	Local government	Accessibility and Inclusion	The relationship between disposal access, affordability, and illegal dumping could be more explicit—particularly for bulky items, renovation waste, and materials not covered by EPR programs.	Metro Vancouver will consider this feedback during plan implementation. Specifically as part of strategy 3.2 enhance producer responsibility programs
633	20-Feb-26	Email	Member Jurisdiction	Local government	Residual Management Strategic Approach	The plan does not strongly differentiate between urban growth pressures and disposal needs in rapidly densifying municipalities.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -strengthened actions to triage building materials to their best and highest use as these materials are often the most common waste generated from densification -clarified a focus area is multi-family recycling as more and more housing units become apartments and multi-plexes
634	20-Feb-26	Email	Member Jurisdiction	Local government	Targets/Metrics	Primary Performance Metrics and Targets •The regional targets for reducing per capita waste generation, increasing recycling and diversion, and reducing disposal are supported.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets. Targets were set based on current waste composition data and are meant to be ambitious but achievable.
635	20-Feb-26	Email	Member Jurisdiction	Local government	Targets/Metrics	Primary Performance Metrics and Targets As implementation progresses, additional clarity on how municipal actions contribute to regional targets would support alignment and accountability at the local level.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets.
636	20-Feb-26	Email	Member Jurisdiction	Local government	Targets/Metrics	Primary Performance Metrics and Targets Secondary Performance Metrics and Targets •The proposed secondary performance metrics will be valuable in providing greater context/detail when assessing progress toward the region's goals.	Thank you for your feedback
637	20-Feb-26	Email	Member Jurisdiction	Local government	Targets/Metrics	Primary Performance Metrics and Targets Question around availability and reliability of data required to support these metrics?	Staff have priortized metrics which have data avaialble. In addition strategy 1.4 looks to enhance how Metro Vancouver collects and shared data to track progress towards a circular economy.
638	20-Feb-26	Email	Member Jurisdiction	Local government	Member Actions	Primary Performance Metrics and Targets Will the data sources, methodologies, and tracking approaches used to develop and report on secondary metrics be shared with member municipalities to support consistency, transparency, and local application?	Yes
639	20-Feb-26	Email	Member Jurisdiction	Local government	Circular Economy	Circular Economy •The Plan provides a strong and comprehensive framework for advancing a circular economy, particularly in the built environment and food systems.	Thank you for your support for the plan
640	20-Feb-26	Email	Member Jurisdiction	Local government	Member Actions	Circular Economy •More specifics of how member municipalities can leverage regional circular economy initiatives, pilots, and advocacy to advance local implementation would strengthen this section.	Metro Vancouver will address this feedback during plan implementation.
641	20-Feb-26	Email	Member Jurisdiction	Local government	Circular Economy	Circular Economy Strategies and Actions – Built Environment (Construction and Demolition) •Additional emphasis on building retention, relocation, and adaptive reuse as waste prevention strategies would strengthen alignment with circular economy objectives.	Metro Vancouver will consider this feedback during plan implementation.
642	20-Feb-26	Email	Member Jurisdiction	Local government	Member Actions	Circular Economy •Clearer regional guidance and support for developing and scaling reuse and salvage markets would help ensure equitable access across municipalities.	Metro Vancouver will address this feedback during plan implementation.
643	20-Feb-26	Email	Member Jurisdiction	Local government	Member Actions	Waste Prevention and Advocacy •Opportunities exist to more clearly connect regional advocacy efforts with municipal policy tools, such as land use planning, development approvals, and procurement practices, to support waste prevention outcomes locally.	Metro Vancouver will address this feedback during plan implementation.
644	20-Feb-26	Email	Member Jurisdiction	Local government	Member Actions	Strategies and Actions – Food Systems •Additional clarity on how municipalities can support food recovery and redistribution infrastructure, including through facilities, partnerships, and land use considerations, would strengthen local implementation.	Metro Vancouver will address this feedback during plan implementation.
645	20-Feb-26	Email	Member Jurisdiction	Local government	Member Actions	Reuse, Recycling, and Material Recovery •Further clarity on municipal roles in piloting and scaling reuse initiatives would assist implementation.	Metro Vancouver will address this feedback during plan implementation.
646	20-Feb-26	Email	Member Jurisdiction	Local government	Dispose Strategy/Action	Disposal and Residual Management •The Plan appropriately positions disposal as a last resort while recognizing the need for reliable and cost-effective waste management.	Thank you for your support for the plan

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
647	20-Feb-26	Email	Member Jurisdiction	Local government	Dispose Strategy/Action	Disposal and Residual Management •Stronger acknowledgment of the relationship between accessible disposal options and the prevention of illegal dumping and littering, particularly for bulky items and renovation waste, would strengthen this section.	Metro Vancouver will consider this feedback during plan implementation.
648	20-Feb-26	Email	Member Jurisdiction	Local government	Dispose Strategy/Action	Disposal and Residual Management Consideration of the impacts of rapid growth and densification on disposal access at the municipal level is encouraged.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets including a focus on the construction and demolition sector targeted at reducing wood and other demolition waste created from densification to accommodate a growing population.
649	20-Feb-26	Email	Member Jurisdiction	Local government	General	City Facilities, Operations, and Events •The City supports the Plan's direction for governments to lead by example through waste reduction, reuse, and diversion at City facilities and City-led or City-hosted events. •Additional regional guidance and tools to help municipalities standardize practices, measure outcomes, and share best practices would support consistent implementation.	-Highlighted key focus areas that will drive progress toward the plan's targets including a focus on the construction and demolition sector targeted at reducing wood and other demolition waste created from densification to accommodate a growing population
650	20-Feb-26	Email	Public	Public members-at-large	General	1.Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for "recovery" in favour of more work on reduction.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
651	20-Feb-26	Email	Public	Public members-at-large	Targets/Metrics	2.Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan. Evaluate results and report publicly. 7.Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions. 8.Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented. 9.Pledge to be transparent – report waste performance clearly and frequently so the public can see what is working. Do not call burning of waste recycling or recovery or diversion as burning waste creates pollution and ash and should be treated as disposal.	Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency and accuracy. Targets were set based on current waste composition data and are meant to be ambitious but achievable. Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview to provide more detail -Clarified the definitions of recycling and diversion. -Provided more details on implementation schedule The initial draft solid waste management plan included the following:
652	20-Feb-26	Email	Public	Public members-at-large	Dispose Strategy/Action	3.Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Living in Durham Region, Ontario, where Canada's "newest" incinerator-the Durham York Energy Centre (DYEC) has operated since 2016, there have been exceedances including for dioxins and furans. We know that comprehensive monitoring/testing is not done frequently enough at the DYEC, nor at Burnaby. At the very least, continuous monitoring should be expanded to include all parameters/pollutants where the technology exists, with continuous sampling for dioxins and furans, so that MV and the community know the levels of pollution imposed on the community. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. 4.The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste as it requires contracted supply. At the DYEC, GHGs far exceed the estimates in the environmental assessment and Durham staff acknowledge in their 2025 Annual Climate report, GHGs will increase as more plastics/non biogenic are burned. See Page 9, Sec. 3.2 b) Report 2025 INFO 63 at: https://pub-durhamregion.escribemeetings.com/filestream.ashx?DocumentId=7535 "Increase in DYEC-related GHGs due in part to a greater share of nonbiogenic waste materials compared to prior year (e.g. plastics and nonrecyclable products that are not biodegradable"; 5.Firmly commit to not building or using any new incineration or thermal treatment facilities.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
653	20-Feb-26	Email	Public	Public members-at-large	Reduce Strategy/Action	6.Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include: •Reuse and Repair -making it easier so unusable items do not get thrown out. •Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services. •Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution •Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation. •Lead by example: MV facilities and operations should adopt/employ zero waste principles where feasible and commit to continuous improvement. •Waste prevention and avoidance, such as cutting unnecessary packaging and preventing food waste.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets. -Strengthened language throughout the plan -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation -Added clear bags as an option to enhance disposal ban inspection efficiency
654	20-Feb-26	Email	Public	Public members-at-large	Financial Overview	10.Spend scarce public money wisely and invest in the community's future- choose solutions that reduce/avoid waste without locking the region into expensive disposal systems. You owe it to your residents to do better now and should move to kill off your expensive and polluting incinerator.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
655	20-Feb-26	Email	Nonprofit organization	Waste and Recycling Industry	General	EPR Scope and Expansion (Section 3.2.1) We recognize Metro Vancouver's advocacy for the expansion of EPR programs to additional products and sectors. Expansion of EPR in principle supports diversion objectives. However, under the current Recycling Regulation and Recycle BC's approved Program Plan, the residential packaging and paper product (PPP) program is designed to serve households. It does not include collection from industrial, commercial, or institutional (ICI) sources. Any changes to product scope or generator eligibility would require provincial regulatory direction and appropriate consultation to ensure operational feasibility, equity, and system sustainability. The Recycle BC program is funded by producers to manage residential PPP; expanding to ICI sources without corresponding regulatory amendments and funding mechanisms would compromise the integrity and fairness of the program design.	Thank you for your feedback and clarity on the current scope of PPP. Metro Vancouver intends to advocate for inclusion of the materials in the BC Recycling Regulation as to ensure the appropriate regulatory authority and funding mechanism are in place.
656	20-Feb-26	Email	Nonprofit organization	Waste and Recycling Industry	General	Financial Incentives and Municipal Participation (Section 3.2.6.2) Recycle BC operates under an approved Program Plan as required by the Recycling Regulation. This Plan includes a structured approach, including a regular cost study, to providing collection incentives to local government and depot partners that reflects service delivery requirements and cost accountability. We provide collection partners with an adequate and transparent incentive structure designed to ensure effective service delivery while maintaining fairness and financial sustainability across the province. Any changes to incentive structures must be considered within the context of the approved Program Plan and provincial oversight.	Thank you for your feedback and clarity on your approach to financial incentives. Metro Vancouver will continue to participate in extended producer responsibility program engagements and looks forward to discussions on how to continue to ensure effective service delivery while maintaining fairness and financial sustainability.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
657	20-Feb-26	Email	Nonprofit organization	Waste and Recycling Industry	General	Expansion to Small Businesses (Section 3.2.6.3) Recycle BC's PPP program is designed to serve residential generators, as defined in the Recycling Regulation. We have established an efficient and accessible network of depots and collection services that meets regulatory requirements for residential access throughout Metro Vancouver and the province, which is funded by producers of residentially supplied PPP. Expansion of residential-only packaging drop-off services to small businesses would extend beyond the current regulatory framework and would require provincial direction and careful assessment of operational and equity implications. The Recycle BC program is funded by producers to manage residential packaging and paper; permitting ICI materials to enter the system without corresponding regulatory authority and funding mechanisms would undermine cost accountability and the integrity of the program design.	Thank you for your feedback and clarity on the current scope of PPP. Metro Vancouver intends to advocate for inclusion of the materials in the BC Recycling Regulation as to ensure the appropriate regulatory authority and funding mechanism are in place.
658	20-Feb-26	Email	Nonprofit organization	Waste and Recycling Industry	Education and Outreach	Operational Collaboration and Service Consistency (Section 4.4.1) We remain open to continued collaboration where it supports improved public understanding and system performance within existing program parameters. Signage and Public Education (Section 4.5.1 and 4.6.3) We welcome collaboration with Metro Vancouver to align messaging and signage standards where appropriate, building on existing tools and resources and avoiding duplication.	Staff look forward to continued collaborations with producer responsibility organizations duirng plan implementation.
659	20-Feb-26	Email	Nonprofit organization	Waste and Recycling Industry	Accessibility and Inclusion	Multi-Family and Equity-Focused Initiatives Private companies are eligible to operate multi-family collection programs as a collection contractor to Recycle BC in service areas identified by Recycle BC, including in areas where Recycle BC is actively recruiting new multi-family collectors. This program supports improved recycling access in multi-unit residential buildings and contributes to equitable service delivery across communities. We remain committed to working with partners to ensure residents in all residential multi-family housing types have access to effective recycling services.	Metro Vancouver looks forward to working with industry to improve mulit-family recycling during plan implementation.
660	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Targets/Metrics	1. Establish Mandatory Reuse and Packaging Reduction Targets Voluntary measures have not reduced packaging growth. Clear, binding targets are necessary to drive investment and behavioural change. The region should: •Set phased targets for reusable packaging in priority sectors (food service, grocery, beverage). •Require reusable service ware for dine-in and large public events. •Establish packaging intensity reduction targets (e.g., weight per unit sold). •Advocate provincially and federally for binding packaging reduction legislation. 5. Incorporate Consumption-Based Emissions Accounting Material production accounts for the majority of lifecycle emissions. Waste policy must align with climate policy. The Plan should include: •Consumption-based emissions tracking. •Material carbon footprint reporting. •Reduction strategies for high-impact materials (construction materials, plastics, textiles, food waste).	Metro Vancouver does not have direct authority to establish mandatory reuse and packaging reduction targets. Subsequently the plan leverages advocacy and collabroation to encourage decrease in packaging and the switch to reuse through strategy 1.1 advocate for circular economy policies and programs, and strategy 1.3 collaborate to advance a circular economy and strategy 3.2 enhance extended producer responsibility programs and strategy 3.1 support consistent approaches to reuse. Strategy 1.4 includes and action to look at consumption-based emissions.
661	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Recycle Strategy/Action	2. Strengthen Extended Producer Responsibility (EPR) Current EPR programs largely fund recycling rather than prevention. They must be redesigned to incentivize waste reduction at the design stage. Metro Vancouver should advocate for reforms that: •Impose higher fees on non-reusable and non-recyclable packaging. •Provide financial incentives for reusable and refill systems. •Penalize multi-layer and composite plastics. •Require minimum recycled content. •Expand EPR to textiles, mattresses, and additional packaging sectors.	Metro Vancouver will consider this feedback during plan implementation.
662	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Reuse Strategy/Action	3. Invest in Reuse as Core Infrastructure Reuse must become foundational infrastructure, not a peripheral initiative. The region should prioritize: •Centralized washing and redistribution hubs for reusable containers. •Standardized reusable packaging pools. •Building-material reuse centres. •Repair infrastructure and workforce training. •Dedicated reuse space at all recycling and waste centres.	The initial draft solid waste management plan included the following: 1.2.4.Work with trade schools, industry associations, practice leaders, and senior government to identify and implement solutions to fill skills training gaps required to: 1.2.4.1.Scale circular food systems. 1.2.4.2.Rethink approaches to a circular built environment, such as design for disassembly. 1.2.4.3.Equip small and medium-sized enterprises with practical guidance to operationalize circular economy practices. 1.2.4.4.Improve access to circular products and services including reuse and repair -3.3.2.1. Prioritize the development of local facilities and collection programs for triaging building materials to their best and highest use 3.5.1.Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres, to provide reuse options at all recycling and waste centres, as described in the recycling and waste centre wtrategic approach outlined in this plan. Other services may be considered. However, Metro Vancouver is committed to encouraging private sector solutions to increase waste reduction and recycling in the region. Metro Vancouver may consider further expansion of services in some circumstances, including but not limited to instances when private sector solutions may not be sufficient or adequate due to limited private sector competition, market disruptions, gaps, or failures.
663	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Dispose Strategy/Action	4. Implement Disposal as a Declining Backstop Disposal infrastructure must not anchor the system. The Burnaby Waste-to-Energy facility should be treated as a temporary, declining backstop — not a long-term waste strategy. If it continues operating: •Cap throughput and reduce annually in line with upstream waste reduction. •Classify WtE clearly as disposal with energy recovery. •Apply best-available emissions controls with real-time public reporting. •Publish a comprehensive ash and toxics management plan. •Commit to no new incineration capacity.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
664	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Reduce Strategy/Action	6. Strengthen Enforcement and Source Separation Policy credibility depends on enforcement. To support reduction and reuse: •Expand mandatory source separation. •Enhance disposal ban enforcement and inspections. •Implement clean-bag policies where appropriate. •Increase commercial packaging audits.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation -Added clear bags as an option to enhance disposal ban inspection efficiency
665	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Financial Overview	Revenue Neutral Where Possible •New fees should be transparent and tied directly to waste reduction infrastructure. •Revenue must be reinvested in reuse, repair, and reduction systems. •Public reporting should clearly show how funds are used. Avoid Cost Shifting to Consumers Waste reduction policy should not disproportionately increase household costs. Design principles should include: •Incentives for durable and reusable systems. •Bulk and refill options that lower long-term costs. •Fee structures that target excessive packaging at the production level. •Gradual implementation to prevent price shocks.	Metro Vancouver will consider this feedback during plan implementation.
666	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Regulatory Strategic Approach	Protect Small Businesses Small businesses should not carry disproportionate financial or administrative burdens. Policy should: •Phase requirements in gradually. •Provide standardized tools and templates. •Offer shared infrastructure (e.g., pooled reusable systems). •Exempt micro-enterprises where appropriate. •Focus compliance costs upstream on producers and large packaging generators.	Metro Vancouver will consider this feedback during plan implementation.
667	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Regulatory Strategic Approach	Focus Regulation Upstream The most effective and least burdensome approach is to regulate: •Producers •Importers •Large distributors •Packaging designers	Metro Vancouver will consider this feedback during plan implementation.
668	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Regulatory Strategic Approach	several elements of the draft Plan have operational implications for commercial properties: • Increased focus on commercial organics participation and performance • Expanded data collection, tracking, and reporting expectations • Potential tightening of disposal enforcement through haulers and facilities While the Plan does not directly regulate individual buildings, implementation through municipal bylaws, disposal enforcement, and hauler practices would effectively transmit new requirements to property owners. This may require new infrastructure, reconfiguration of waste rooms or loading areas, additional administrative oversight, and higher hauling costs associated with contamination or rejected loads. Added operational costs are ultimately borne by small businesses and commercial tenants.	Thank you for your feedback. Metro Vancouver intends to work closely with various sectors including the commercial property sector to co-develop approaches that support waste reduction while addressing implementation concerns of the sector
669	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Education and Outreach	Education and awareness particularly focused on tenant behaviour and contamination reduction will be critical to achieving sustained improvements in diversion rates. Experience across BOMA BEST-certified properties demonstrates that engagement and practical tools are the most effective.	Metro Vancouver will consider this feedback during plan implementation.
670	20-Feb-26	Email	Nonprofit organization	Public members-at-large	Dispose Strategy/Action	We, the undersigned 385 individuals and 10 organizations, call on Metro Vancouver to phase out the incinerator by 2028 to protect public health, the environment and keep costs reasonable.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
671	5-Mar-26	Email	Nonprofit organization	Public members-at-large	General	Use the Zero Waste Hierarchy and definition. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour or more work on reduction.	The Zero Waste Hierarchy was not adopted as it considers Waste-to-Energy unacceptable. The plan's waste hierarchy prioritizes reduction and recycling over recovery, with disposal (including waste-to-energy) as a last resort.
672	5-Mar-26	Email	Nonprofit organization	Public members-at-large	Targets/Metrics	Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions. Pledge to be transparent - report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.	Targets were set based on current waste composition data and are meant to be ambitious but achievable. Strategy 1.4 inclues work to improve data including: -1.4.1.Work toward annual solid waste management reporting by material type and sector on all levels of the waste hierarchy, starting with organics, wood, and textiles -1.4.3.Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts. Metro Vancouver staff prepare annual solid waste statistics using multiple sources including jurisdiction surveys, producer responsibility organization reports, and aggregated private facility data. Metro Vancouver clearly outlines the methodology used and strives for transparency and accuracy.
673	5-Mar-26	Email	Nonprofit organization	Public members-at-large	General	Add actions to reduce toxic materials and pollution.	The Soldi Waste Management Plan includes a focus area on leading the transition to a regional circular economy. The circular economy includes eliminating waste and polution and regenerating nature which supports reducing the toxicity of materials.
674	5-Mar-26	Email	Nonprofit organization	Public members-at-large	Residual Management Strategic Approach	Commit to developing a proper residual disposal option analysis specifically for Metro Vancouver waste. Factor in the risks of each option. Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.

No.	Date	Source/Material	Organization/Group	Sector/Target audience	Plan Section	Feedback/Comment	Metro Vancouver Response
675	5-Mar-26	Email	Nonprofit organization	Public members-at-large	Reduce Strategy/Action	Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include: a. Waste prevention such as cutting unnecessary packaging and preventing food waste. b. Reuse and Repair -making it easier so unusable items do not get thrown out. c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services. d. Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Highlighted key focus areas that will drive progress toward the plan's targets. -Strengthened language throughout the plan -Clarified regulatory focus areas including advancing regulatory measures to further encourage source separation -Added clear bags as an option to enhance disposal ban inspection efficiency
676	5-Mar-26	Email	Nonprofit organization	Public members-at-large	Financial Overview	Establish and commit to a timeline for the actions and the associated budget and staff time to ensure the plan can be implemented	Staff considered this feedback and made the following changes to the initial draft solid waste management plan: -Expanded the financial overview section -Provided more details on implementation schedule
677	5-Mar-26	Email	Nonprofit organization	Public members-at-large	Financial Overview	Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.	Waste-to-Energy facility is be a safe and cost-effective method for managing residual garbage. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
678	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	Dispose Strategy/Action	Question about whether the plan prioritizes local disposal	The Solid Waste Management Plan notes that local disposal at the Vancouver Landfill and the Waste-to-Energy Facility will be prioritized, to minimize requirement for remote disposal which is approximately twice the cost per tonne.
679	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	Financial Overview	Question about whether the plan outlines budget for actions, and comment that this is an important consideration when writing a plan, including engagement on the budget	The draft plan does not specify budget/costs for specific actions. The Solid Waste Management Plan specifies that actions in the plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular annual budget process, prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics.
680	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	Financial Overview	Question about whether there is any major investment noted in the plan. i.e. will significant investment be required to reach our targets?	The current draft plan does not commit Metro Vancouver to new major investments. Reaching the targets can also save disposal costs in the long run by reducing the need for disposal.
681	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	Targets/Metrics	How were the targets set?	Targets were set by examining the types of materials that still exist in the waste stream that are assumed can be prevented.
682	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	General	Recommendation to connect with Carbon Leadership Forum. They are doing work on embodied carbon and circular economy initiatives.	Metro Vancouver appreciates the information and staff will follow up.
683	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	Member Actions	Are the targets tied to member jurisdiction actions – are member actions required to reach targets	Reaching targets will involve Metro Vancouver and member jurisdictions to work closely together on advancing actions. Metro Vancouver supports member staff through in kind support, convening, collaborating, working on harmonized guidelines, and financial support such as funding for repair cafes. Member jurisdiction actions are potential areas of focus for members to consider – they are not requirements.
684	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	Reuse Strategy/Action	EPR programs – is Metro Vancouver going to advocate for enhanced programs?	The draft plan includes actions for Metro Vancouver to advocate for enhanced and expanded EPR programs
685	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	Reuse Strategy/Action	Is the plan going to involve working with business	Yes, working with business to support them in successfully recycling and reducing their waste is part of the plan.
686	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	Member Actions	Request for clarification on the member action “circular activities in zoning definitions”	This item is related to clarifying zoning definitions so that circular economy businesses understand where their facilities may fall within zoning bylaws. By including these types of businesses we hope to attract more circular businesses. Member jurisdiction actions are potential areas of focus for members to consider – they are not requirements.
687	19-Mar-26	Meeting	Regional Administrators Advisory Committee	Local government	Recycle Strategy/Action	Does the plan commit Metro Vancouver to becoming involved in providing organics processing services?	No, the draft plan does not specify that Metro Vancouver would build an organics processing facility. However, Metro Vancouver would monitor regional capacity, and contemplate stepping in where a gaps or failures in private sector solutions may exist or develop, particularly in relation to services provided to member jurisdictions.

Appendix B

Reports from Engagement Panel

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November 17, 2021 – Report from Solid Waste Management Plan Independent Consultation and Engagement Panel to Zero Waste Committee
June 13, 2024 – Solid Waste Management Plan Vision and Guiding Principles Report to Zero Waste Committee. Includes message provided directly by the Engagement Panel (starting on page 5 of the report)
July 3, 2025 – Solid Waste Management Plan Goals and Hierarchy Report to Zero Waste Committee. Includes message provided directly by the Engagement Panel (starting on page 8 of the report)
April 2, 2026 – Report from Solid Waste Management Plan Independent Consultation and Engagement Panel to Zero Waste Committee

To: Zero Waste Committee

From: Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, Solid Waste Services

Date: November 9, 2021 Meeting Date: November 17, 2021

Subject: **Report from Solid Waste Management Plan Independent Consultation and Engagement Panel**

RECOMMENDATION

That the GVS&DD Board receive for information the report dated November 9, 2021, titled "Report from Solid Waste Management Plan Independent Consultation and Engagement Panel".

Report from Solid Waste Management Plan Independent Consultation and Engagement Panel

The attached report from the Solid Waste Management Plan Independent Consultation and Engagement Panel provides an evaluation of the pre-engagement work and responds to staff's proposed public engagement program.

The Solid Waste Management Plan Independent Consultation and Engagement Panel, established by the GVS&DD Board, was formed in 2020 to act as an independent, third party advising staff and the Board on consultation and engagement. This is the panel's first report to the Board.

Attachment

"Welcome to Metro Vancouver's Independent Consultation & Engagement Panel!", dated, November 9, 2021 *(Orbit # 49066962)*

Welcome to Metro Vancouver's Independent Consultation & Engagement Panel!

The Solid Waste Management Plan Independent Consultation and Engagement Panel ("Independent Panel") was established to act as an independent, third party to provide advice and recommendations to staff and the Board on issues related to development of an updated solid waste management plan.

Why an Independent Panel?

The update to the plan, which was first created in 2011, is a statutory requirement by the Ministry of Environment and Climate Change Strategy. While the Ministry requires a number of advisory committees and processes as part of the update, the decision to include an Independent Panel is over and above those requirements. It responds to the Board's desire to ensure that engagement for the updated plan is comprehensive, robust and responds to their emerging engagement priorities including greater engagement with Indigenous Nations and with specific communities which historically have been underrepresented or equity-denied.

Who is on the Independent Panel?

The Independent Panel was established by the Board in July 2020 and officially appointed by the Board Chair in October 2020. We have four members with a wide breadth of experience in government and engagement. These are Cheryl Brooks, Veronika Bylicki, Peter Fassbender and Andrea Reimer (Chair). Director Jack Froese, Chair of the Zero Waste Committee, acts as a liaison to the Independent Panel.

What does the Independent Panel do?

The scope of work defined in the Independent Panel's Terms of Reference state that we will advise staff and report out to the Board on engagement during all phases of the solid waste management plan development to ensure consultation is robust and adequate, and feedback is solicited from a variety of interested parties and stakeholders.

To accomplish this, over the course of the past 13 months we have had 11 Independent Panel meetings that covered a wide range of issues and discussions including:

- getting up to speed on waste management in the region,
- providing advice on overarching principles, objectives and methods of engagement,
- providing ongoing advice in the development and implementation of pre-engagement, engagement with First Nations and engagement with communities that have historically been underrepresented or equity-denied,
- providing connections we respectively had to stakeholders in a variety of communities, especially those that are traditionally not well-represented in engagement on Metro Vancouver policy development, and
- acting as a sounding board for approaches to establishing advisory committees mandated by the Ministry of Environment and Climate Change.

In addition to these meetings, we have held two sessions for stakeholders to meet with us directly and presented at two Zero Waste Committee meetings. On behalf of the Independent Panel, the Chair also participated in a Metro Vancouver presentation at the FVRD meeting in May 2021 and has met with Metro Vancouver's Chair of Indigenous Relations and relevant staff to navigate emerging issues related to engagement and the implementation of the provincial *Declaration on the Rights of Indigenous Peoples Act (DRIPA).*

What is this report for?

This report to the Zero Waste Committee is our first formal report out to the Board and is intended to provide both our evaluation of the pre-engagement work as well as a response to staff's proposed engagement program. Because many of the themes we would like to highlight echo in both of these areas we have decided to structure our report into two sections: (1) What we endorse, and (2) What needs further consideration.

1. What we Endorse

a. Metro Vancouver Staff

We have all been very impressed with the effort that staff put in to both their work with the Independent Panel and the work with stakeholders, communities of interest and Indigenous Nations in the pre-engagement phase and subsequent development of the plan. Despite the substantial engagement challenges presented by COVID, as well as evolving public expectations for engagement, at every step staff have been respectful and clearly are invested in the goals of greatly expanding the audiences and quality of engagement.They have been responsive to our input as well as proactive in seeking it on a wide array of issues that intersect the plan. By being at their best, they have supported the Independent Panel members and everyone else involved in the process to be most effective.

b. The Culture of the Independent Panel

The Independent Panel represents a broad range of experiences, geography, professional backgrounds. In general, differences can create challenges in developing a working relationship that leverages the best of each member of a group. However, we have only found our differences to be strengths that allow us an almost 360 degree view of issues and, more importantly, the ability to identify where we don't have that full perspective. One of the key reasons for this cohesiveness is a shared sense of striving for excellence and a shared responsibility to help create an updated plan that is the result of a meaningful engagement process. Our measure of success is how people feel at the end of the process. Accordingly, each interaction should be the result of thought, care and pushing beyond the traditional approaches which have often left at least some people feeling unheard.

c. Inclusion: No One Left Behind

From the beginning of the Independent Panel's work, we have been guided by the principle of broad inclusion. This is both as a result of the mandate from the Board in regards to underrepresented and equity-denied groups and also from specific areas of expertise that the Independent Panel brings to our work. It manifests in an expanded focus in three areas:

- right relations with Indigenous Nations and people,
- expanding the audiences beyond traditionally engaged institutions and communities, and
- increasing the quality of engagement in order that stakeholders in past processes have a better experience in this one.

While all three of these are a work in progress, through our expertise and networks we've been able to identify challenges and provide some guidance and access to networks to navigate pathways forward (see "What Needs Further Consideration" below).

d. Culture of Trying, Evaluating, Learning…and Trying Again

Throughout the last year we have seen a strong emphasis from staff on pushing this work into new areas. The true value of such an approach isn't the push itself - although that is a pre-requisite - but rather the tolerance for failure that comes along with that push and the commitment to learn from the failure to improve upon the program. We have seen this with staff time and again in both the development and implementation of the pre-engagement and the development of the engagement program itself.

Indeed, the Independent Panel had our own experiences with this. For example, we offered to meet directly with stakeholders as part of the pre-engagement process but miscalculated timing as a result of extra requirements in the online format and a misunderstanding about the total time available. Some stakeholders were upset by this so we offered everyone a chance to meet again. Two stakeholders took us up on this offer and it seemed to increase trust in the process that while we can't promise perfection we can promise to own up to mistakes and work with those impacted to mitigate any perceived harm.

e. Precedent-Setting

From the establishment of the Independent Panel, the development of the updated solid waste management plan represents a very different approach for Metro Vancouver and this has carried through the work over the past year including the extensive and thorough pre-engagement work, pro-active outreach, and deep work on developing an appropriate approach to engagement with Indigenous Nations and people. We recognize that by pushing boundaries there is a high potential to set precedents that have impacts much broader than just one updated plan. In our opinion, staff have been keenly aware of this and have worked with the Independent Panel and other staff and Directors at Metro Vancouver to ensure this is contemplated in the development and implementation of this engagement program. Our hope is that future engagement processes can learn from and build on the successes in this engagement program.

2. What Needs Further Consideration

a. More Engagement Means More Feedback

At a meta-level it's an important thing to consider that the increased commitment to inclusion, both through expanding audiences and also through expanding the transparency of the process for all audiences, means that there will be more challenges identified that need to be worked through. This

doesn't mean that you've created new challenges but rather that you've created a conduit for existing challenges to be resolved.

b. Better Support for Indigenous Engagement

Metro Vancouver has been evolving relationships with Indigenous Nations and people for a number of years. However, the historical approach to engagement on major plans such as the solid waste management plan has been passive at best and created a deficit that will take some time to overcome. Two key considerations will be:

- Directly increasing the capacity of Indigenous Nations and people to engage in the next phases of the plan.
- Understanding that the onus is on Metro Vancouver to make the engagement relevant to Indigenous Nations and people.

c. Anticipating the Future is a Big Shift

The common structure in government is to identify an existing problem and then spend time to develop a current approach to fix the problem. Independent Panel members have observed that in order for the updated plan to be truly successful it needs to be focused on the future, anticipating the demographic, economic, cultural and technological shifts it will be responding to in a time of massive change. Three key considerations in developing the updated plan will be:

- Incorporating accessible information about long term trends into the communication materials.
- Developing new strategies aimed at greatly increasing youth engagement in the development of the plan.
- Conscientiously innovating and expanding reach out to underrepresented and equity-denied communities.

d. Trust

It is likely not a surprise for the Board to hear that some key stakeholders have had historically challenging experiences with Metro Vancouver in relation to waste management policies. These stakeholders have responded positively to new engagement measures in the lead up to the plan including the creation of the Independent Panel, the ability to shape the form of engagement through pre-engagement, proactive outreach and invitation for bi-lateral meetings, and the establishment of advisory committees. At the same time a number of frustrations have been expressed about previous engagement and some solutions offered by the stakeholders that have these frustrations. Two of the more pressing ones to consider in implementing the engagement program:

- Information used in the development of the updated plan – both in outward facing engagement and with the Board – should be objective, timely, easy to access and provide a full view of options. In particular, in external and stakeholder communications information needs to be in plain language and translated when relevant.
- Timelines for feedback should allow for review of materials, any clarifying questions and account for meeting timelines in the cases where Metro Vancouver is looking for formally approved institutional feedback from a board or government.

e. Expanding Who Is Engaged Require New Approaches

We know the Board would like a focus on underrepresented and equity-denied groups and there was very little participation by members of these groups in the pre-engagement. This isn't bad news however – it just shows the limits of relying on the usual distribution channels and speaks to the need for new and novel tactics in the engagement program to ensure that these communities are reached. In addition to the considerations included in the sections above, we would invite the Board to consider:

- It's often the instinct of governments to increase avenues into an engagement process with the hope that it will expand audiences. However, often this gives those already engaged more opportunities…and potentially more frustration at a feeling that they must attend all these additional sessions. A stronger approach is to meet people from communities you are trying to reach where they are already at.
- The diverse range of media available in an online age gives good opportunity to target specific communities noting that per the bullet above, it won't work to expand into new media if you are simply expanding awareness of an invitation to a government-sponsored event that people from a given community are unlikely to attend.
- People coming from underrepresented and equity-denied groups are often economically disadvantaged. In these cases Metro Vancouver should consider providing financial support and/or resources to ensure that this is not the barrier to their participation.

A final word

Thank you for the opportunity to provide this high level feedback to the Zero Waste Committee. We've enjoyed our work over the past year and been challenged (in a good way!) by the emerging complexities of engagement. As Metro Vancouver moves into the implementation phase of the plan we anticipate our role will shift somewhat into more of an oversight role and less hands on. However, as this is a bold experiment we are prepared to try, evaluate, learn, and try again to bring the best support we can to the process of building the next solid waste management plan.

To: Zero Waste Committee

From: Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, Solid Waste Services

Date: November 8, 2021 Meeting Date: November 17, 2021

Subject: **Solid Waste Management Plan Engagement**

RECOMMENDATION

That the GVS&DD Board approve the solid waste management plan public engagement program as outlined in the report dated November 8, 2021, titled "Solid Waste Management Plan Engagement".

EXECUTIVE SUMMARY

Regional districts are required by the Province to develop plans for the management of municipal solid waste and recyclable materials. An updated solid waste management plan will guide our region's policies and collective actions over the next decade and beyond, and engagement is critical to its success. The proposed public engagement program outlines:

- a transparent, inclusive, and responsive engagement
- equitable opportunities for Indigenous peoples, stakeholders, and communities of interest to participate and provide feedback
- methods to increase accessibility and engage underrepresented and equity-denied communities
- an expected timeframe of two to three years

While Indigenous peoples will be invited to participate in all public engagement activities, a separate Indigenous engagement strategy will be implemented. To deliver a robust engagement some new elements have been put in place including an Independent Consultation and Engagement Panel to guide the development and implementation of the public engagement program and a pre-engagement phase to help shape the engagement process.

PURPOSE

The purpose of this report is to seek GVS&DD Board (Board) approval of the public engagement approaches as outlined in this report and the attached solid waste management plan public engagement program.

BACKGROUND

In November of 2019, the Board authorized initiating a solid waste management plan update, as required by the provincial *Environmental Management Act* and according to the provincial guidance document *A Guide to Solid Waste Management Planning*. The current solid waste management plan is the *Integrated Solid Waste and Resource Management Plan* approved by the Minister of Environment in July 2011. The November 2019 report noted that an engagement plan would follow with details about the approach, audience, and timelines for the engagement process.

On July 3, 2020, the Board received for information the terms of reference for the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) – a group of four engagement experts to guide the development and implementation of a robust and inclusive engagement process, including a pre-engagement phase. This Engagement Panel is a new initiative for Metro Vancouver, unique among regional governments, and goes beyond provincial engagement requirements.

On July 16, 2021, the Board received for information a report on pre-engagement results on the solid waste management plan update.

This report outlines proposed public and Indigenous engagement approaches for the update to the solid waste management plan, including an overview of the attached public engagement program.

INDIGENOUS AND PUBLIC ENGAGEMENT

The solid waste management plan is a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. An updated plan will build on the strengths of the current plan, and identify opportunities for accelerated waste reduction and diversion while reducing greenhouse gases and promoting a circular economy. Indigenous and public engagement is critical to its success and Metro Vancouver is committed to a transparent, inclusive, and responsive engagement for the solid waste management plan update. Indigenous peoples, stakeholders, and communities of interest need equitable opportunities to participate and provide feedback into the engagement process. To deliver a robust engagement that goes beyond Metro Vancouver's typical process, exceeds provincial requirements, reaches equity-denied and underrepresented communities and addresses previous industry concerns about engagement, some new elements have been incorporated into this public engagement program. An Engagement Panel was formed to guide the development and implementation of the public engagement program, a pre-engagement phase was introduced to help shape the engagement process, and Metro Vancouver engaged on the development of provincially-mandated public and technical advisory committee(s).

The engagement approaches described in this report and the attached public engagement program reflect input from the pre-engagement process and discussions with the Engagement Panel, and member jurisdiction staff. A summary of how input and feedback received during pre-engagement has shaped the engagement approach is attached to the public engagement program.

Indigenous Engagement

Indigenous peoples[1] will be invited to participate in all public engagement activities. A separate Indigenous engagement strategy will help ensure a collaborative government-to-government engagement approach with Indigenous Nations whose territories include all or part of the Metro Vancouver region as well as a community engagement approach with urban Indigenous organizations, off-reserve and non-status First Nations, Métis and Inuit. The Indigenous engagement strategy is an evolving document that will leverage organization wide initiatives and respond to the interests of Indigenous Nations. Metro Vancouver aims to follow the principles of meaningful

[1] Indigenous peoples include Indigenous (First Nations, Métis and Inuit) Nations and Indigenous communities (including urban Indigenous organizations, off-reserve and non-status First Nations, Métis and Inuit).

engagement laid out in the *Declaration on the Rights of Indigenous Peoples Act*, as well as its own policies and commitments towards reconciliation and engagement.

Public Engagement Objectives, Guiding Principles and Approach

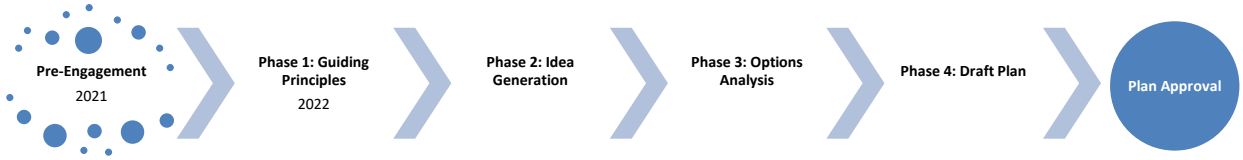
Metro Vancouver is committed to meaningful engagement in the development of all elements of an updated solid waste management plan. Metro Vancouver's approach will align with the spectrum of public participation from the International Association of Public Participation. Based on this approach, the engagement objectives are to:

- Guide the development of an updated solid waste management plan for consideration by the Metro Vancouver Board and Minister of Environment and Climate Change Strategy
- Learn about a broad range of perspectives from residents, communities of interest, and stakeholders and actively consider how the plan can integrate and respond to the learnings
- Foster an environment where a wide range of voices and perspectives are shared
- Facilitate a process of reciprocal learning where stakeholders and communities of interest can share their knowledge and experiences and learn about the benefits and challenges of the regional solid waste system and zero waste initiatives
- Strengthen and build collaborative relationships
- Come to understand perspectives, priorities, and desired outcomes of stakeholders and communities of interest for waste management across the region, with a specific effort to increase participation by diverse and equity-denied groups, such as youth, urban Indigenous communities, small and independent business owners, and people whose first language is not English

The public engagement program will follow the guiding principles of accountability, equity and diversity, inclusiveness, transparency and openness, commitment, and responsiveness and flexibility, which were adapted from Metro Vancouver's guiding principles for community engagement. The principles will be returned to and considered as the plan is developed to ensure ongoing integrity of the engagement.

Public Engagement Scope, Timeline and Phases

The solid waste management plan update process is expected to take two to three years over a phased approach with corresponding engagement. Timing is flexible to ensure maximum participation in a robust, transparent, and meaningful process. The scope of engagement has been identified for the overall public engagement program and will be tailored at each engagement phase. Establishing engagement parameters of what is in and out of scope for discussion allows for success in engagement planning and managing audience expectations.



The pre-engagement phase, completed this spring, sought feedback on engagement preferences and information required for informed participation. This early engagement effort was a step beyond Metro Vancouver's typical process and provincial requirements, and aimed to address previous concerns about engagement. Phase 1 engagement on guiding principles, planned for 2022, will invite dialogue around the fundamental values that will guide the plan vision and direction, and position the criteria to evaluate goals, strategies and actions. The principles set out in the BC Ministry of Environment and Climate Strategy's *A Guide to Solid Waste Management Planning* will serve as a foundation, and principles will be adapted and added to reflect our unique regional solid waste and recycling landscape. Details on engagement planned for subsequent phases will be shared as they are developed with Indigenous peoples, stakeholders, the public and communities of interest.

Public and Technical Advisory Committee

Metro Vancouver will form public and technical advisory committee(s), with sub-committees as required, to advise on plan development and report to staff and the Board. The public and technical advisory committee(s) could consist of a variety of representatives: industry, public community groups, and subject matter experts. The public engagement program will be reviewed with the public and technical advisory committee(s) at an early meeting and updated as needed throughout the plan update process. A separate report recommends structure and membership selection criteria for the public and technical advisory committee(s).

Public Engagement Methods, Audiences and Reporting

Metro Vancouver will strive to reach and involve the following audiences who may be impacted by or have an interest in the solid waste management plan development.

- Community, environmental and non-profit groups, non-governmental organizations, youth and students, schools
- Government and regulatory agencies, including Indigenous peoples in BC, provincial and federal governments, member jurisdictions, adjacent regional districts, crown corporations, airport and port authorities, and health authorities
- Industry and business associations, boards of trade and chambers of commerce, professional associations and academic institutions
- Metro Vancouver residents
- Small to medium sized businesses, innovators, employees within organizations, experts in industry and technology
- Waste and recycling industry, including small and large haulers, processors, extended producer responsibility programs, disposal facilities, and waste/recycling industry associations, binner community, reuse and repair organizations and the Metro Vancouver Solid Waste and Recycling Industry Advisory Committee
- Waste producers, including various sectors such as food service and industry, grocery, construction, tourism, office and property management, real estate, retail, residents, and educational institutions
- And others who may be interested

Special efforts will be made to include equity-denied or underrepresented groups not typically involved in Metro Vancouver solid waste processes, including youth, the binner's community, and non-English language speakers.

Metro Vancouver heard through pre-engagement that timely communication and early and continuous engagement opportunities are important. The following methods and channels may be deployed through the plan development based on the engagement objectives of each phase.

- Collaboration with others to host third-party workshops and events, and amplify messages (e.g. RCBC, Binners' Project, cultural and religious organizations)
- Educational components (e.g. backgrounders, discussion guides)
- Email notifications
- Focus groups
- Focused, sector- and topic-specific discussions; working groups
- In-person meetings, including presentations and discussions at community meeting
- Market research surveys
- Meetings with Engagement Panel
- Multiple language communications where possible and where it serves the audience
- Online engagement platform
- Online meetings
- Open houses and workshops
- Questionnaires (online or hard copy at community locations)
- Press engagement
- Printed materials or packages, to be used by individuals or groups to further engagement among their networks
- Promotional materials tailored to different audiences, in a variety of media outlets
- Social media
- Public and technical advisory committee(s) meetings
- Telephone polling where appropriate
- Updates at existing committee meetings
- Videos
- Webinars
- Website content

Metro Vancouver will make efforts to collaborate with organizations and community groups to host or facilitate engagement events and amplify communications.

Feedback received through meetings, questionnaires, correspondences and other channels will be analyzed and documented. Following each phase of engagement, Metro Vancouver will report back through interim engagement summary reports to the Zero Waste Committee and Board, on the project webpage, and directly to organizations, community groups and committees involved. A final engagement report will accompany the updated solid waste management plan that will be submitted to the BC Minister of Environment and Climate Change Strategy for approval. The report will include details of the outreach and engagement undertaken, audiences involved and input and feedback gathered, including how feedback was considered and incorporated into the solid waste management plan, where possible.

ALTERNATIVES

1. That the GVS&DD Board approve the solid waste management plan public engagement program as outlined in the report dated November 8, 2021, titled "Solid Waste Management Plan Engagement".

2. That the GVS&DD Board receive for information the report dated November 8, 2021, titled "Solid Waste Management Plan Engagement" and provide alternate direction to staff.

FINANCIAL IMPLICATIONS

Activities related to planning for and implementing engagement on the update to the solid waste management plan are covered under the approved Solid Waste Services budget. There are no additional financial implications.

CONCLUSION

The solid waste management plan public engagement program summarized in this report outlines a transparent, inclusive and responsive engagement for the solid waste management plan update. The public engagement program includes engagement objectives, guiding principles, phases, methods, audiences, advisory committees and reporting mechanisms, and outlines equitable opportunities for Indigenous peoples, stakeholders and communities of interest to participate and provide feedback. While Indigenous peoples will be invited to participate in all public engagement activities, a separate Indigenous engagement strategy will help ensure a collaborative government-to-government engagement approach. Special efforts will also be made to include equity-denied or underrepresented groups not typically involved in Metro Vancouver solid waste processes. Indigenous and public engagement is critical to the success of an updated solid waste management plan. Staff recommend Alternative 1.

Attachment

Public Engagement Program, Metro Vancouver's Solid Waste Management Plan Review and Update *(Orbit # 40542169)* https://orbit.gvrd.bc.ca/orbit/llisapi.dll/app/nodes/40542169

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Public Engagement Program

Metro Vancouver's Solid Waste Management Plan Review and Update

Last updated October 27, 2021

40542169

SERVICES AND SOLUTIONS FOR A LIVABLE REGION

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1. Introduction

Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan, and identifying opportunities for accelerated waste reduction and recycling while reducing greenhouse gases and promoting a circular economy. Metro Vancouver's current plan, the *Integrated Solid Waste and Resource Management Plan*, approved by the BC Minister of Environment in July 2011, established goals and targets for waste reduction and the recovery of materials and energy from waste, and supporting strategies and actions for Metro Vancouver and its member jurisdictions.

An updated solid waste management plan will guide our region's policies and collective actions over the next decade and beyond and engagement is critical to its success. The plan update process is expected to take two to three years and will be supported by robust Indigenous and public engagement. Additional emphasis is put on increasing accessibility and engaging underrepresented and equity-denied communities. Metro Vancouver is committed to engaging audiences who may be impacted by or have an interest in the review and update of the solid waste management plan, and will seek input and feedback through a multi-phase engagement approach. This document, informed by a pre-engagement process (a summary of what we heard and what we're doing is included in appendix A), provides an overview of the public engagement program for the update of the solid waste management plan and contains the following elements:

- Guiding principles and objectives
- Phases, timeline and methods
- Key audiences
- Public/technical advisory committee
- Reporting

While Indigenous peoples[1] will be invited to participate in all public engagement activities, a separate draft Indigenous engagement strategy outlines a collaborative engagement approach. Metro Vancouver is guided by the principles of meaningful engagement laid out in the *Declaration on the Rights of Indigenous Peoples Act*, as well as its own policies and commitments towards reconciliation and engagement.

Developing an Updated Solid Waste Management Plan

The Greater Vancouver Sewerage and Drainage District (GVS&DD) is one of four separate corporate legal entities commonly referred to collectively as Metro Vancouver. For the purposes of this document, Metro Vancouver will be used to describe the GVS&DD.

Metro Vancouver is committed to environmental stewardship and the desire to keep waste management affordable. Metro Vancouver's role in regional solid waste management includes recycling and waste reduction regulation and planning and the operation of a regional network of solid waste facilities.

[1] Indigenous peoples for the purpose of this strategy include Indigenous (First Nations, Métis and Inuit) Nations and Indigenous communities (including urban Indigenous organizations, off-reserve and non-status First Nations, Métis and Inuit).

Responsibilities include ensuring an effective regional regulatory framework, promoting waste reduction, improving reuse and recycling systems, and managing residual waste.

The Metro Vancouver Board of Directors, advised by the Zero Waste Committee, approves policies, bylaws, plans, programs, budgets and issues related to solid waste management, including monitoring the implementation of the *Integrated Solid Waste and Resource Management Plan.* The Board will provide oversight of the plan update process, before considering, endorsing, and submitting it to the BC Minister of Environment and Climate Change Strategy for approval.

The current *Integrated Solid Waste and Resource Management Plan* was endorsed by the Board and member jurisdictions prior to receiving provincial approval, subject to Ministerial conditions, in July 2011. Provincial guidelines recommend initiating a plan review on or before the 10-year anniversary of the current plan's approval. In November 2019, the Metro Vancouver Board authorized initiating an update of the solid waste management plan and notifying the public and Indigenous Nations.

An updated solid waste management plan will draw on opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy. Themes of resiliency, equity, collaboration, climate action, regional growth, innovation, financial sustainability, and system stewardship will be central to the process. The updated solid waste management plan will align and seek linkages with other plans and initiatives including the Canada-wide Strategy on Zero Plastic Waste, the Government of BC's CleanBC and Plastics Action Plans, member municipalities' waste reduction initiatives, adjacent regional district solid waste management plans, and Metro Vancouver's *Board Strategic Plan, Resilient Region Strategic Framework, Metro 2050, Climate 2050,* and *Clean Air Plan.*

Governing Legislation

The provincial *Environmental Management Act* outlines local government responsibilities for solid waste management and requires regional districts to develop plans for the management of municipal solid waste and recyclable materials that are subject to approval by the BC Minister of Environment and Climate Change Strategy.

In parallel, municipal governments often have their own bylaws on solid waste, typically for municipally provided recycling and waste services, fees and charges, and proper management of waste in residential and/or commercial settings within the municipality.

The provincial *Greater Vancouver Sewerage and Drainage District Act* governs the disposal of garbage and recyclables in Metro Vancouver, including the purchase, construction, operation, maintenance, and administration of facilities for the disposal of all types of waste.

The provincial document *A Guide to Solid Waste Management Planning* provides guidance on amending and renewing solid waste management plans, including the planning and consultation processes, which have been incorporated into this public engagement program:

- Initiate the planning process
- Set the plan direction
- Evaluate options
- Prepare and adopt the plan

Before approving an updated plan, the BC Minister of Environment and Climate Change Strategy must be satisfied that there has been adequate public review and engagement during the development of the solid waste management plan. Following Board endorsement, Metro Vancouver will submit an engagement summary and draft updated solid waste management plan to the Minister for consideration.

2. Guiding Principles and Objectives of Engagement

Metro Vancouver is committed to a transparent and inclusive engagement for the update to a new solid waste management plan. To ensure such a process, stakeholders and communities of interest need to have equitable opportunities to participate and provide feedback into the engagement process. To deliver a robust engagement process that goes beyond Metro Vancouver's typical process, exceeds provincial requirements, and addresses previous industry concerns about engagement, a pre-engagement phase was introduced to help shape the engagement process. In addition, an Independent Consultation and Engagement Panel (Engagement Panel) was formed to guide development and implementation of engagement, and Metro Vancouver engaged on the development of a provincially-required public and technical advisory committee(s). A separate Indigenous engagement strategy will outline a separate, collaborative approach with Indigenous peoples, which will take place concurrent with public engagement.

Solid Waste Management Plan Independent Consultation and Engagement Panel

An Engagement Panel, made up of four independent, third-party engagement experts selected by the Metro Vancouver Board Chair, was formed in 2020 to provide advice and recommendations to staff and the Board on engagement. The Engagement Panel reviews and advises on the development and implementation of the public engagement program, and will report to the Board on engagement during all phases of the solid waste management plan development to ensure engagement is robust and adequately solicits feedback from a variety of communities of interest and stakeholders. The panel has played a key role in the development of this engagement plan. Throughout engagement on the solid waste management plan update, opportunities will be created for stakeholders and communities of interest to present to the Engagement Panel to provide feedback on the engagement process.

Guiding Principles of Engagement

The public engagement program will be informed by best practices and regulatory requirements, and will reflect the following guiding principles based upon and adapted from Metro Vancouver's Board Policy on Public Engagement.

Accountability

Metro Vancouver will uphold the commitments it makes to the public and demonstrate that the results and outcomes of the engagement process are consistent with the approved plans for engagement.

Equity and Diversity

Metro Vancouver will implement an accessible and inclusive engagement process that considers equity and diversity at its core and encourages participation by equity-denied groups[2].

[2] Equity is the fair distribution of opportunity, privilege and resources to meet the needs of all people, regardless of age, ability, gender, income, education level, culture, geographic location or background. Equity recognizes that services and resources can also be distributed based on need. Adopting an equity-centered approach ensures that

Inclusiveness
Metro Vancouver will make its best efforts to reach, involve and hear from those who are impacted. Plain language will be used in engagement materials and the public engagement program will be designed to promote personal connection, trust and active listening. The public engagement program will include components of education so that audiences have sufficient knowledge of the subject matter to provide meaningful feedback.

Transparency and Openness
Metro Vancouver will provide clear and timely information, and communicate decision-making processes, procedures and constraints clearly. The public engagement program will be open to the ideas of all Metro Vancouver residents and others, with consideration for perspectives and audiences that are not always engaged.

Commitment
Metro Vancouver, within its ability and work plans, allocates sufficient resources for effective engagement.

Responsiveness and Flexibility
Metro Vancouver seeks to understand and be receptive to the public's input. Throughout the engagement process, Metro Vancouver will be flexible to adapt and adjust engagement approaches as new information or perspectives are presented.

The guiding principles are foundational to the engagement approach and will be referenced at each phase and reflected upon following each engagement phase.

Engagement Objectives
Metro Vancouver engages at levels in a *spectrum of public participation* adapted from the International Association of Public Participation. For the solid waste management plan, Metro Vancouver is committed to the consult/involve levels of engagement to obtain input and feedback on analysis, issues, alternatives and decisions, and ensure aspirations and concerns are considered and understood during the plan development. Based on the consult/involve levels of engagement, the objectives of the engagement are to:

- Guide the development of an updated solid waste management plan for consideration by the Metro Vancouver Board and Minister of Environment and Climate Change Strategy
- Learn about a broad range of perspectives from residents, communities of interest, and stakeholders and actively consider how the plan can integrate and respond to the learnings
- Foster an environment where a wide range of voices and perspectives are shared
- Facilitate a process of reciprocal learning where stakeholders and communities of interest can share their knowledge and experiences and learn about the benefits and challenges of the regional solid waste system and zero waste initiatives
- Strengthen and build collaborative relationships

equity-denied groups are not disproportionately impacted by Metro Vancouver operations and that initiatives within Metro Vancouver's mandate have the opportunity to contribute to the advancement of equity in the region.

- Come to understand perspectives, priorities and desired outcomes of stakeholders and communities of interest for waste management across the region, with a specific effort to increase participation by diverse and equity-denied groups, such as youth, urban Indigenous communities, small and independent business owners, and non-English language speakers

Engagement Approach

Based on pre-engagement feedback, the phases of engagement will be developed with the following approaches and considerations in mind:

- Early, continuous and iterative engagement and feedback opportunities
- Clearly defined engagement purpose and expectations, including what elements of the plan are open for discussion/consideration
- Respect for time required of busy stakeholders to provide feedback, and sufficient time allowed
- Transparency on how input is used to come to a final decision
- Fair, collaborative tone for engagement that fosters active listening with an open mind, without pre-determined outcomes
- Strategies to increase accessibility and engage underrepresented and equity-denied communities
- Review of baseline regional recycling and waste data and measurement methodologies

A summary of how input and feedback received during pre-engagement has shaped the engagement approach is provided in Appendix A.

Engagement Parameters

It is important to establish the scope of engagement, both what is in and what is out of scope, in order to be able to plan the engagement successfully and to manage expectations.

The scope of this engagement includes the following parameters:

- The solid waste management plan will build on the strengths of the current plan, and identify opportunities for accelerated waste reduction and recycling while reducing greenhouse gases and promoting a circular economy. Alignment with provincial and federal regulation and legislation, and municipal authority will be considered in the plan development.
- The public engagement program will provide opportunities for informed and meaningful engagement with governments, including government agencies, waste and recycling industry, waste producers, businesses, communities of interest, equity-denied and underrepresented groups, and Metro Vancouver residents to guide updates to the plan.

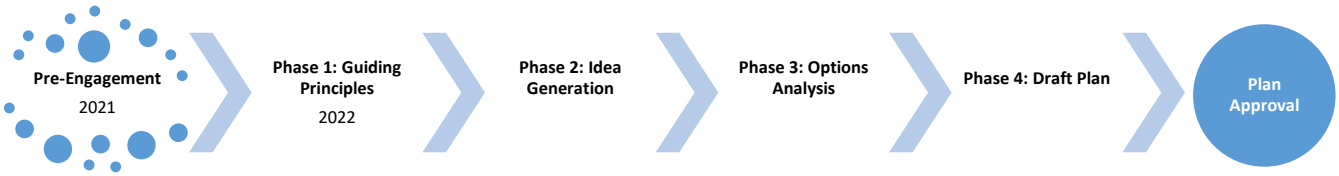
3. **Engagement Phases, Timeline and Methods**

The public engagement program includes a phased approach that is iterative and flexible. The public engagement program will provide participants with ample opportunity to access sound and impartial information, engage in discussions with Metro Vancouver, and provide input for consideration by Metro Vancouver staff and the Board to help shape subsequent phases of engagement and ultimately the updated solid waste management plan itself. Information on the engagement process and opportunities to provide input will be posted on the Metro Vancouver website as it becomes available. Meetings, feedback forms/questionnaires, correspondence and delegations to the Engagement Panel and Zero Waste Committee will be used as mechanisms to receive feedback on the solid waste management plan

and the engagement process. The public engagement program is flexible and will consider additional interests and issues that emerge during the solid waste management plan review and update.

Due to the ongoing COVID-19 pandemic, all engagement approaches will comply with public health guidelines. Metro Vancouver aims to leverage digital platforms to reach out to more audiences than traditionally possible with in-person meetings and events.

The proposed phases of engagement are outlined below, followed by objectives and methods for pre-engagement (complete) and Phase 1 (in development). Timing is flexible to ensure maximum participation in a robust, transparent, and meaningful process.



Methods

The following are potential methods of outreach and engagement that may be used during any of the phases of engagement and will be adjusted based on the objectives of each phase of engagement:

Engagement

- Collaboration with others to host third-party workshops and events, and amplify messages (e.g. RCBC, Binners' Project, cultural and religious organizations)
- Focus groups
- Focused, sector- and topic-specific discussions; working groups
- In-person meetings, including presentations and discussions at community meeting
- Market research surveys
- Meetings with the Engagement Panel
- Online engagement platform – includes options for multiple languages and visual web accessibility tools
- Online meetings
- Open houses and workshops
- Questionnaires (online or hard copy at community locations)
- Public/technical advisory committee meetings

Outreach

- Educational components (e.g. backgrounders, discussion guides)
- Email notifications
- Multiple language communications where possible and where it serves the audience
- Press engagement
- Printed materials or packages, to be used by individuals or groups to further engagement among their networks
- Promotional materials tailored to different audiences, in a variety of media outlets
- Social media
- Videos
- Website content

- Telephone polling where appropriate
- Updates at existing committee meeting
- Webinars

Through pre-engagement, Metro Vancouver learned from stakeholders that continual communication — often and through a variety of channels — promotes transparency. It was also suggested to work with others to host or facilitate engagement events and amplify communications.

A communications plan has been developed for the solid waste management plan public engagement program, detailing the specific communications tactics required to deliver on each phase of engagement.

Pre-Engagement (public April 27 – June 28, 2021; Indigenous April 27 – July 2, 2021)

- *Description:* Pre-engagement solicits feedback on preferred engagement approaches and asks what people need to know to meaningfully participate. This occurs before formal engagement begins.
- *Objectives:* Understand key stakeholder groups' preferred communication channels, methods of participation, key information required, and what is needed to make participation easier. Gain insights from stakeholders and communities of interest on how the process can be designed to reach equity-denied groups.
- *Notification and Methods Used:*
    - Email and letter notifications advising that engagement on updated solid waste management plan will begin soon
    - Website content
    - Online questionnaire
    - One-on-one online meetings with interested parties and stakeholder groups
    - Opportunities for stakeholders to present to the Engagement Panel
    - Online workshops and presentations
    - Social media platforms

A full summary of the pre-engagement phase and results is included in the Zero Waste Committee report dated July 16, 2021, titled "Pre-Engagement Results – Solid Waste Management Plan Update".

Engagement on Public and Technical Advisory Committee(s) (July 23 – September 15, 2021)*:*

- *Description*: Metro Vancouver engaged on the structure and membership criteria prior to drafting the public and technical advisory committee(s) terms of reference. Note that engagement with Indigenous peoples is expected to be coordinated through a separate, collaborative process.
- *Objective*: Receive feedback on the structure, sectors/interests represented, and membership selection criteria for the public and technical advisory committee(s). This information was considered in drafting the terms of reference for the committee(s) (Appendix B).
- *Methods*:
    - Email notification
    - Online questionnaire
    - Invite written comments

Phase 1: Plan Guiding Principles Engagement (Mid-2022)

- *Description*: Guiding principles for the updated solid waste management plan (different from the engagement guiding principles described earlier in this report) reflect fundamental values that guide plan development and implementation. They will cut across all or most goals, strategies, and actions and can be translated into criteria to help evaluate goals, strategies, and/or actions. The BC Ministry of Environment and Climate Strategy's *A Guide to Solid Waste Management Planning* provides eight provincial principles for solid waste management for regional districts to incorporate in the development of their solid waste management plan, to be supplemented with other locally relevant guiding principles.
- *Objective*: Understand the fundamental values of the public, stakeholders and communities of interest to help guide the solid waste management plan development and establish the overarching vision and direction.
- *Potential Methods*:
    - Joint Zero Waste and Climate Action Committee workshop
    - Public/technical advisory committee meetings
    - Online or in-person workshops consisting of presentations, interactive exercises and feedback sessions with all levels of government and stakeholders. May be hosted in collaboration with others (e.g. Recycling Council of British Columbia, Binners' Project, religious and cultural organizations, industry associations)
    - Webinars, presentations and videos
    - Opportunities for stakeholders to present to the Engagement Panel
    - Website content
    - Online questionnaires or feedback forms
    - Additional methods to increase accessibility and engage underrepresented and equity-denied communities

Details for these subsequent phases will follow as they are developed with stakeholders, the public, and communities of interest.

Phase 2: Idea Generation Engagement (Late 2022)

Phase 3: Options Analysis Engagement (Mid-2023)

Phase 4: Engagement on Draft Plan (Early 2024)

After plan approval: Continued engagement during plan implementation (2024 onward)

The public engagement program is an iterative document and will be adapted and updated with each engagement phase as the solid waste management plan is developed.

4. Audiences

The following audiences have been identified who may be impacted by or have an interest in the review and update of the solid waste management plan and will be engaged to provide feedback during all phases of engagement:

- Community, environmental and non-profit groups, non-governmental organizations, youth and students, schools

- Government and regulatory agencies, including Indigenous peoples in BC, provincial and federal governments, member jurisdictions, adjacent regional districts, crown corporations, airport and port authorities, and health authorities
- Industry and business associations, boards of trade and chambers of commerce, professional associations and academic institutions
- Metro Vancouver residents
- Small to medium businesses, innovators, employees within organizations, experts in industry and technology
- Waste and recycling industry, including small and large haulers, processors, extended producer responsibility programs, disposal facilities, and waste/recycling industry associations, binner community, reuse/repair organizations and the Metro Vancouver Solid Waste and Recycling Industry Advisory Committee
- Waste producers, including various sectors such as food service and industry, grocery, construction, tourism, office and property management, real estate, retail, residents, and educational institutions
- And others who may be interested

Metro Vancouver has developed and regularly updates a database that includes contact information of individuals and organizations who fall within the categories described above. The public can also sign up to a number of solid waste newsletters and project notification lists, including one for the solid waste management plan update.

Metro Vancouver will strive to facilitate dialogue between jurisdictions and stakeholders with different perspectives and responsibilities, to allow parties to gain a better understanding of other perspectives and discuss interconnected systems and possible partnerships that can support zero waste, environmental health, and circular economy goals.

To reach and involve equity-denied or underrepresented groups not typically involved in Metro Vancouver solid waste processes, specifically youth, the binner's community, and non-English language speakers, efforts will be made to ensure opportunities for meaningful engagement. Possible methods, by group, to deliver this include:

- Youth – Tailor questionnaires, social media and campaigns; partner with influencers, leverage existing communities, communication channels and places of gathering; collaborate with prominent groups
- Binner's community – Collaborate with the Binners' Project to access existing networks and communications channels
- Non-English language speakers – Translate important materials, offer interpretation services, target media promotions

In addition, engagement will be designed to encourage more equal participation geographically across the region. Possible methods to achieve this include:

- Target social media promotions to each jurisdiction individually as the target market
- Host events in strategic geographic locations

- Partner with municipalities to reach out to stakeholders in their respective communities and draw on established networks and relationships
- Work with local community based groups to host small engagement events across the region; or prepare information packages for those local groups to consider at their existing meetings

Indigenous Engagement

While Indigenous peoples will be invited to participate in all public engagement activities, a separate draft Indigenous engagement strategy outlines a collaborative government-to-government engagement approach with Indigenous Nations whose territories include all or part of the Metro Vancouver region as well as a community engagement approach with urban Indigenous organizations, off-reserve and non-status First Nations, Métis and Inuit.

The Indigenous engagement strategy for the solid waste management plan update reflects Metro Vancouver's commitment to engaging with Indigenous Nations who claim Aboriginal rights in the region, and Indigenous communities. Metro Vancouver aims to follow the principles of meaningful engagement laid out in the *Declaration on the Rights of Indigenous Peoples Act*, as well as its own policies and commitments towards reconciliation and engagement. Metro Vancouver will seek to create diverse and multiple engagement opportunities, to ensure that Metro Vancouver and Indigenous peoples can have a meaningful dialogue on the review and update of the solid waste management plan.

5. Public/ Technical Advisory Committee

The BC Ministry of Environment and Climate Change Strategy's *A Guide to Solid Waste Management Planning* recommends establishing public and technical advisory committee(s) to assist with the planning process and ensure that diverse views are represented. Metro Vancouver will form a public/technical advisory committee, with subcommittees formed as required based on discussions with the committee, to advise on plan development and report to staff and the Zero Waste Committee. The committee will consist of a variety of representatives: industry, public community groups, and subject matter experts. A Zero Waste Committee member will participate in committee meetings and act as a liaison to the Zero Waste Committee. The public engagement program will be reviewed with the public/technical advisory committee at an early meeting and updated as needed throughout the plan update process. In addition, the public/technical advisory committee will provide input during each stage of the solid waste management plan's development. Sectors and interests that may be represented on the committee, and personal qualities, perspectives and experiences of members are listed below. A terms of reference for the committee is provided in Appendix B.

Sectors/Interests Represented by Members

- Adjacent regional district elected official
- Agriculture
- Circular economy
- Construction and demolition industry
- Extended producer responsibility programs
- Food service
- Government agencies and health authorities
- Large waste generators (e.g. academic institutions, school boards, transportation hubs, entertainment sector)

- Multi-family residences (e.g. residents, landlords, property management associations)
- Non-governmental/non-profit organizations and environmental stewardship groups
- Organics processing
- Public members-at-large (e.g. youth, seniors, and multicultural, accessibility, and resident/community associations)
- Recycling industry
- Reduction/repair/refill industry
- Retail/grocery
- Small- and medium-sized businesses and business improvement associations, chambers of commerce, boards of trade
- Tourism and hospitality
- Waste industry
- Workers/unions

Personal Qualities, Perspectives and Experience

- Demonstrates community/committee involvement and the ability to work collaboratively with others (e.g. openness to different/opposing views)
- Demonstrates personal commitment to zero waste/circular economy goals, sustainability, and climate action
- Demonstrates the ability to advance innovation
- Experienced with waste, waste reduction, and recycling (i.e. lived experience, technical expertise, or both)
- Belongs to a community that is typically underrepresented (e.g. women, LGBTQ2S+, Indigenous persons, immigrants, visible minority, persons with disabilities, youth, etc.)
- Represents the interests/perspectives of a group of people/sector

6. Reporting

Metro Vancouver documents feedback received during engagement processes through meeting summaries, online comments, feedback forms, questionnaires and correspondence (emails and letters to Metro Vancouver elected officials and staff). Metro Vancouver will use various methods to report back to audiences about how their input has been considered, including:

- Interim engagement summary reports to the Zero Waste Committee and Board, including documents tracking the issues, comments, and questions raised during engagement and the corresponding Metro Vancouver responses
- Regular updates to the project web page
- Responses to feedback received

A summary of feedback gathered through the engagement process will accompany the updated solid waste management plan that will be submitted to the BC Ministry of Environment and Climate Change Strategy for approval. The engagement summary will include:

- A summary of all engagement activities and results, including copies of notifications, advertisements, web content, reports, and meeting summary notes
- Identification of feedback raised during the engagement process

- Metro Vancouver responses to feedback received and how it is being addressed or incorporated in the draft updated solid waste management plan
- Copies of all original written feedback received during the engagement process

Feedback Summary of What We Heard and What We're Doing

The following summary table shows how input and feedback shared during pre-engagement was considered and incorporated into the engagement approach.

What We Heard	What We're Doing
Provide early, continuous, iterative engagement, and more notifications	Timely, ongoing and evolving engagement opportunities will consider the preferred channels to receive information and provide feedback shared in pre-engagement
Respect the time required of busy stakeholders	Thoughtful and efficient opportunities to engage online, and in person when safe to do so, will accommodate a variety of engagement preferences and limitations
Clearly define engagement purpose, expectations, and what issues are 'on the table'	A clear scope and objectives of engagement will outline what is up for discussion at each engagement phase
Ensure transparency on how input was used and reasons for decisions	Timely and transparent reporting back will show how input and feedback affected the decision at each engagement phase
Listen, have an open mind, be fair and collaborative	A fair, collaborative tone for engagement will promote active listening and foster trust, without pre-determined outcomes
Work with partners to host/facilitate engagement events, and amplify/distribute communications	Collaborative relationships formed and strengthened with community groups and organizations will reach and involve their communities, including those not typically engaged
Create space for stakeholders with different interests to hear from each other, gain understanding of different perspectives, and form partnerships; also facilitate focused, sector-specific discussions	An engagement environment of reciprocal learning where a wide range of voices, perspectives and interests are shared, as well as focused, sector-specific discussions, will lead to sustainable decisions
Appreciation for the initial pre-engagement phase, and establishment of the Engagement Panel	A public engagement program guided by the Engagement Panel and informed by input and feedback gathered during pre-engagement will demonstrate continued responsiveness to feedback
Involve equity-denied communities, industry experts, innovators, small to medium businesses, small haulers and small processing facilities, and associations (industry, tourism, building, business improvement)	A plan to reach and involve a broad and diverse audience will ensure all potentially affected by or interested in a decision are heard, including equity-denied communities (youth, urban Indigenous, binners community, non-English language speakers)

Provide information on current solid waste management in the region, the previous solid waste management plan, details on how solid waste is handled in other jurisdictions, and a range of additional topics	Sufficient, clear and sound information provided during engagement will enable informed and meaningful participation
Consider translation and use of graphics, although English language communication is sufficient at this time	A variety of methods (e.g. translation, interpretation, connect via cultural organizations) to reach and involve non-English language speakers will support an equal opportunity to participate, within our ability
Metro Vancouver did not hear distinctly from certain sectors during pre-engagement, such as cultural associations, non-English language speakers, resident community associations, food service, and construction and demolition	Methods to reach and engage these sectors beyond what was offered during pre-engagement will be explored to ensure engagement opportunities are appealing and effective

Solid Waste Management Plan

Public/Technical Advisory Committee

Terms of Reference

November 17, 2021

1. PURPOSE

Over the next two to three years, Metro Vancouver will engage with governments (including Indigenous Nations), government agencies, waste and recycling industry representatives, waste producers, businesses, communities of interest, and Metro Vancouver residents to review and update the current *Integrated Solid Waste and Resource Management Plan* (2011). The updated solid waste management plan will build on the strengths of the current plan and identify opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.

The purpose of the solid waste management plan public/technical advisory committee (committee) is to provide a forum for contribution from individuals from a range of backgrounds to inform the review and update of the solid waste management plan. The purpose of these terms of reference is to describe role of the committee.

2. TIMEFRAME

The committee will exist for the duration of the solid waste management plan update process.

3. SCOPE OF WORK

The committee will receive and review information, and advise on topics related to the development of the solid waste management plan. Committee members will be invited to pose questions, engage in discussion, and provide comments for consideration as the plan is developed. Potential topics for engagement with the committee include the circular economy, waste reduction and recycling, greenhouse gas emissions reduction, residuals management, asset and risk management, innovation, resilience, affordability, and collaboration and engagement.

Representatives of the 10 local Indigenous Nations will be invited to observe committee meetings at their preference. A separate Indigenous engagement strategy will help ensure a collaborative government-to-government engagement approach with Indigenous Nations whose territories include all or part of the Metro Vancouver region as well as a community engagement approach with urban Indigenous organizations, off-reserve and non-status First Nations, Métis and Inuit.

4. MEMBERSHIP

The committee will be composed of members representing a diversity of sectors and interests, who bring a variety of personal qualities, perspectives, and experiences to solid waste and recycling issues.

The following is a list of sectors/interests that could be represented by committee members:

- Adjacent regional district elected official
- Agriculture
- Circular economy

- Construction and demolition
- Extended producer responsibility programs
- Food service
- Government agencies and health authorities
- Large waste generators (e.g. academic institutions, school boards, transportation hubs, entertainment sector)
- Multi-family residences (e.g. residents, landlords, property management associations)
- Non-governmental/non-profit organizations and environmental stewardship groups
- Organics processing
- Public members-at-large (e.g. youth, seniors, and multicultural, accessibility, and resident/community associations)
- Recycling industry
- Reduction/repair/refill industry
- Retail/grocery
- Small- and medium-sized businesses, and business improvement associations, chambers of commerce, boards of trade
- Tourism and hospitality
- Waste industry
- Workers/unions

The following is a list of possible desired personal qualities, perspectives and experience of committee members:

- Demonstrates community/committee involvement and the ability to work collaboratively with others (e.g. openness to different/opposing views)
- Demonstrates personal commitment to zero waste, circular economy goals, sustainability, and climate action
- Demonstrates the ability to advance innovation
- Experienced with waste, waste reduction and recycling (i.e. lived experience, technical expertise, or both)
- Belongs to a community that is typically underrepresented (e.g. women, LGBTQ2S+, Indigenous persons, immigrants, visible minority, persons with disabilities, youth, etc.)
- Represents the interests/perspectives of a group of people/sector

5. SELECTION PROCESS

Membership will last the duration of the solid waste management plan update process. Committee members should be prepared to participate through the full term.

Committee members with the exception of the chair and vice-chair will be filled through a call for applications. Potential committee members who belong to typically underrepresented or equity-denied communities will be identified through targeted recruitment, with support mechanisms put in place to lower barriers to participation.

The call for applications will be promoted publically, and shared with our member jurisdictions and partners. Potential committee members will be asked to specify their sector/interest during the call for applications and an individual could identify more than one sector/interest. Not all sectors/interests will necessarily be represented on the committee, and more than one individual could be selected to represent a sector/interest. Following receipt of applications, the applicants will be evaluated based on

the personal characteristics outlined in the above section on membership. Recommendations for members will be reviewed by the Independent Consultation and Engagement Panel in advance of the recommendations being considered by the Zero Waste Committee and Board in closed meetings, before being released to the public.

6. CHAIRS

The committee chair and vice-chair will be members of the Zero Waste Committee, recommended by the Board Chair and selected by the Board in a closed meeting.

7. ADVISORY ROLE OF COMMITTEE

The role of the committee is advisory to Metro Vancouver. No votes will be held to determine the group's position on issues or recommendations to Metro Vancouver. Where consensus exists, it will be noted; minority opinions will be considered to have merit and will be noted.

8. MEETINGS

a. Meetings will be held approximately 4–6 times per year for the duration of the solid waste management plan update process.
b. The meeting dates and times will be determined by the chair and vice-chair in consultation with committee members, and will be scheduled at intervals relevant for the solid waste management plan development.
c. The chair and vice-chair will work with Metro Vancouver staff to draft meeting agendas and coordinate meeting materials, which will be circulated to the committee in advance of meetings.
d. The meetings will be structured to encourage dialogue and collaboration on relevant issues within the constraints of the planned agendas.
e. Meeting minutes and action trackers will be kept for each meeting. Minutes shall not reflect the names of individual speakers or their stance on issues; rather, they shall reflect the issues discussed, significant points of view on the issues and the resolutions or actions to be taken.
f. Meetings will be held virtually or at Metro Vancouver offices located at 4515 Central Boulevard in Burnaby, British Columbia. If unable to attend a meeting in person, a member may participate via teleconference or videoconference.
g. A meeting quorum will be 50%+1 of active members.
h. Meetings will be open to any individual who wishes to observe the discussions either in person or through teleconference or videoconference, although only committee members will be provided standing to participate in the discussion. Non-members may request an opportunity to present to the committee through two weeks' advance written submission for consideration by the chair and vice-chair.
i. Metro Vancouver staff are not members of the committee, but will attend meetings to provide information on various topics, respond to questions etc.
j. The committee may invite groups and subject matter experts to present and provide advice and feedback on specific agenda items, at the discretion of the chair and vice-chair.
k. All committee agendas will be published and publicly available in advance of meetings, and presentations and meetings minutes posted thereafter on Metro Vancouver's website.
l. Metro Vancouver will coordinate the venue and meeting logistics, invitations, notetaker, refreshments, and all requests received for the committee.
m. Committee members may be reimbursed by Metro Vancouver for reasonable, out-of-pocket expenses associated with participating in meetings.

9. WORK PLAN

An annual work plan for the committee will be developed by Metro Vancouver staff based on deliverables in the solid waste management plan development. The work plan will be reviewed annually by the committee, and will guide development of meeting agendas.

10. CODE OF CONDUCT

This code is intended to serve as a framework to guide the spirit and intent of how members are expected to deliver on the committee's purpose and objectives in an ethical and respectful manner.

a. *Respect and Collaboration*: Discussions and debates shall take place in an atmosphere of mutual respect and solutions-oriented collaboration, recognizing the value of different perspectives and seeking to understand the interests and needs of all affected parties.
b. *Transparency*: It is expected that all members speak honestly and transparently, engaging in good-faith dialogue and sharing information openly to encourage fact-based dialogue.
c. *Treatment of other Members*: Members have a duty to treat other members with respect during committee meetings. Specifically, members have a duty to avoid:
    - disrupting meetings by making continual interruptions or whispered asides
    - making offensive or abusive remarks directed at other members
    - impugning the motives of other members or supporting staff
    - ignoring the legitimate direction of the chair or vice-chair

Members who object to the behaviour of another member as identified in this code of conduct are asked to identify their concerns immediately to the committee chair and vice-chair. A member whose behavior repeatedly does not meet the code of conduct requirements may be asked to resign or be removed from the committee by the chair or vice-chair.

11. MEMBERSHIP RESIGNATION

Members wishing to resign from committee membership should provide written notice of their intent to resign, including the effective date of their resignation, addressed to the committee chair and vice-chair.

12. BUDGET AND RESOURCES

Funding for general meetings is provided by Metro Vancouver. Any additional funding for special projects or studies is subject to Metro Vancouver approval.

13. MEDIA PROTOCOL

Media requests will be directed to Metro Vancouver's media relations team. Individual members will not speak on behalf of the committee, unless it has been discussed and approved by the committee chair and vice-chair in advance.

The committee chair and vice-chair will be the chief spokespeople on behalf of the committee. For high profile issues, the role of spokesperson rests with the Board chair, vice-chair or the chair of the Zero Waste Committee. On technical matters or in cases where an initiative is still at the staff proposal level, a senior staff member is the appropriate chief spokesperson.

14. DECLARING CONFLICT OF INTEREST

Committee and subcommittee members must declare any conflicts of interest, real or perceived, at the outset of the process or as soon as it becomes known to the member.

Message from Engagement Panel starting on page 5 of this report

To: Zero Waste Committee

From: Stephanie Liu, Program Manager, Solid Waste Services

Date: June 6, 2024 Meeting Date: June 13, 2024

Subject: **Solid Waste Management Plan Vision and Guiding Principles**

RECOMMENDATION

That the GVS&DD Board approve the vision and guiding principles for an updated regional solid waste management plan as presented in the report dated June 6, 2024, titled "Solid Waste Management Plan Vision and Guiding Principles".

EXECUTIVE SUMMARY

Metro Vancouver is developing an updated solid waste management plan, building on the strengths of the current plan, and identifying opportunities for accelerating waste reduction and recycling, reducing greenhouse gas emission, and promoting a circular economy. In 2023, Metro Vancouver conducted engagement on key values and priorities to include in the draft vision and guiding principles for an updated solid waste management plan. Engagement was implemented with advice from a panel of engagement experts to support Metro Vancouver's commitment to robust and inclusive engagement processes. The vision and guiding principles, included as attachment 1, will inform criteria used to evaluate potential strategies and actions in subsequent phases of the plan update process, and encompass key themes such as collaboration, accountability, transparency, accessibility, innovation, affordability, waste prevention, and climate action.

Building on the feedback received during the vision and guiding principles phase, staff also developed key discussion questions to explore in the next phase of engagement: idea generation.

PURPOSE

The purpose of this report is to seek approval from the GVS&DD Board on the draft vision and guiding principles for an updated solid waste management plan, to provide an overview of engagement feedback received during the vision and guiding principles phase, and to provide information on planning that is underway for the next phase of engagement: idea generation.

BACKGROUND

In November of 2019 the GVS&DD Board (Board) authorized initiating an update of the regional solid waste management plan. Subsequently, a Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) was formed to provide third-party expert advice on the development of a comprehensive and inclusive engagement process. Pre-engagement was completed in 2021 to receive feedback on how audiences wanted to be involved moving forward, and the Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee were formed in 2022.

Engagement on vision and guiding principles began in early 2023, and on July 13, 2023 the Zero Waste Committee received for information a report outlining initial feedback from First Nations, member jurisdictions, adjacent regional district staff, and advisory committees. The themes emerging from that early engagement became a basis for public engagement in fall 2023.

The following timeline shows the overall engagement phases of the solid waste management plan update:



A detailed timeline showing the solid waste management plan update process and reporting to date is included as attachment 2.

VISION AND GUIDING PRINCIPLES

The vision and guiding principles set the plan foundation and direction, and reflect fundamental values to guide plan development and implementation. The vision and guiding principles will form a key component of an updated solid waste management plan, and will inform criteria used to evaluate potential actions and strategies for the plan.

During this phase of engagement, the vision was defined as a statement to describe the desired future state, and the guiding principles were described as values to guide decision-making. Staff sought feedback on what is important to audiences in terms of design, purchase, use, reuse, repurpose, recycle, and disposal in Metro Vancouver, and what could be better in the future. Audiences provided input on their values, interests, and priorities as they relate to solid waste, and identified priority waste reduction, recycling, and garbage disposal topics to be considered. This feedback contributed to the development of the vision and guiding principles presented below, and will help inform subsequent phases of engagement including idea generation and options analysis.

Vision: A thriving region where nothing is wasted and resources are valued.

Guiding Principles:

1. *Accountability from residents, businesses and governments to prevent waste.*
2. *Transparency about what happens to garbage and recycling.*
3. *A solid waste system that is resilient to climate change and future challenges.*
4. *Inclusive solid waste services and programs.*
5. *Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.*
6. *Environmental stewardship and climate action.*
7. *A solid waste and recycling system that is affordable, convenient, and consistent across the region.*

Engagement Process

First Nations, Regional Districts, and Member Jurisdictions

Metro Vancouver began engagement on the vision and guiding principles by sending letters to First Nations, member jurisdiction mayors and councils, and adjacent regional district boards (Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District) to describe this phase and invite participation.

In spring 2023, Metro Vancouver engaged First Nations, member jurisdictions, adjacent regional district staff, the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee to seek feedback on the vision and guiding principles. Member jurisdiction staff from the Regional Engineers Advisory Committee Solid Waste Sub-Committee and the Municipal Waste Reduction Coordinators' Committee participated in a workshop, and the Regional Engineers Advisory Committee was also invited. Adjacent regional district staff from the Fraser Valley Regional District, Sunshine Coast Regional District, Squamish-Lillooet Regional District, and Regional District of Okanagan-Similkameen participated in a joint meeting to discuss solid waste values and priorities.

Metro Vancouver also received feedback from Zero Waste Committee and Climate Action Committee members during this early engagement period. Feedback from a series of meetings and workshops was presented to the Zero Waste Committee in July 2023, and the key themes from this early engagement with committees helped to inform the approach for subsequent engagement with the public in the fall.

Public

In fall 2023, staff engaged the public through various channels including an online questionnaire, workshops, and community events. Engagement was promoted through an e-blast, newspaper advertisements, postcards distributed at regional solid waste facilities, and social media posts. Metro Vancouver received 484 responses to the online questionnaire and engaged 831 residents at community events.

Collaborative Engagement

During the vision and guiding principles phase of engagement, Metro Vancouver introduced the Collaborative Engagement initiative, offering funding and support to not-for-profit organizations to conduct engagement with their members or networks. The goal of this initiative was to hear from audiences and organizations who otherwise may not be aware of or have access to opportunities to provide input to Metro Vancouver. This includes organizations that represent underrepresented or equity-denied communities, youth, seniors, urban Indigenous people, and environmental groups.

Metro Vancouver worked with 14 not-for-profit organizations to deliver engagement activities including workshops (virtual and in-person), in-person and online surveys, focus groups, interviews, email newsletters, pop-up public booths, lunch and learns, and social media promotion. Through collaborative engagement, 869 residents were engaged, including 736 through survey responses and 133 through other engagement activities. Metro Vancouver plans to build on the success of the collaborative engagement program in subsequent phases of the solid waste management plan update.

First Nations Engagement
The solid waste management plan update presents an opportunity for Metro Vancouver to advance collaboration and reconciliation, as well as strengthen relationships with First Nations. Metro Vancouver recognizes that creating a solid waste management plan that reflects Indigenous knowledge, interests, values, and priorities will make a stronger plan for everyone.

Metro Vancouver sent letters to local First Nations and First Nations located outside Metro Vancouver with interests in the region and Métis Nation of BC. From March to May 2023 Metro Vancouver met with representatives from seven local First Nations and received feedback to help identify and understand their priorities related to waste management in their communities, and to explore opportunities to work together to advance waste reduction.

Local First Nations were provided a draft of the vision and guiding principles in spring 2024, with an invitation to comment prior to the draft being provided to the Zero Waste Committee and Board for consideration. The feedback deadline was May 6, 2024 and no additional feedback was provided.

Engagement Feedback
Feedback shared during the vision and guiding principles phase of engagement across all methods and audiences was recorded, analyzed, and summarized. Several priorities emerged through the analysis, including:

- Climate considerations and environmental stewardship
- Community engagement
- Convenience, consistency, and accessibility
- Economic considerations
- Empowerment, education, and awareness
- Individual, corporate, and government accountability
- Innovation, technology, and infrastructure
- Transparency and collaboration
- Waste reduction and prevention

More details on the nature of feedback provided under the categories above are presented in the engagement summary report (Reference 1). In addition, a comprehensive feedback log is included as reference 2.

Development of Draft Vision and Guiding Principles and Additional Feedback
Engagement feedback in 2023 helped inform an initial draft of the vision statement and guiding principles. This draft was circulated for review to local First Nations, member jurisdiction staff (via the Regional Engineers Advisory Committee Solid Waste Sub-Committee and the Regional Waste Reduction Coordinators' Committee), the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee. This additional feedback informed revisions to the draft vision and guiding principles:

- No additional feedback was provided by First Nations. One First Nation indicated they had reviewed the draft but had no comments at this time.
- Additional feedback from the Public/Technical Advisory Committee and Industry Advisory Committee informed adjustments to the draft vision and guiding principles.

- Member jurisdiction staff provided positive feedback on the draft vision and guiding principles, while emphasizing collaboration as a key means to move towards regional consistency in the delivery of solid waste programs and services.

Attachment 3 demonstrates how engagement feedback in 2023 directly shaped the initial draft vision and guiding principles, and how the draft was revised following additional feedback from advisory committees. In addition to revisions addressing specific feedback, the draft guiding principles were revised to simplify the language and ensure the principles describe values rather than actions.

Additional Inputs
In addition to engagement feedback, Metro Vancouver reviewed themes from the Board Strategic Plan, the principles within other Metro Vancouver long-range regional management plans, and principles outlined in the provincial *A Guide to Solid Waste Management Planning.* The priorities in the Board Strategic Plan guide all work within the Solid Waste Services department and other Metro Vancouver departments. The provincial *Guide to Solid Waste Management Planning* contains eight guiding principles to inform the development of regional solid waste management plans. Locally developed principles should be consistent with the provincial principles.

Solid Waste Management Plan Independent Consultation and Engagement Panel
Metro Vancouver receives guidance on the development and implementation of the solid waste management plan update engagement program from the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) – an independent, third-party panel including: Andrea Reimer (Chair), Cheryl Brooks, Peter Fassbender, and Veronika Bylicki. Sarah Kirby-Yung, Metro Vancouver Board Director and Chair of the Zero Waste Committee, serves as the Zero Waste Committee liaison on the Engagement Panel. In addition to providing advice and guidance throughout the engagement planning and implementation processes, the public was invited to meet with and provide presentations to the Engagement Panel in December 2023, offering an opportunity to provide feedback on the engagement process itself. Seven individuals presented to the Engagement Panel. Presentation topics included:

- Diverting construction and development waste at the source, including house moving as an alternative to demolition
- Food waste reduction opportunities and associated greenhouse gas emission reduction
- Improving accessibility of engagement opportunities and materials, and promoting collaboration and opportunities for smaller organizations to be involved
- The importance of consistent definitions, including zero waste and the waste hierarchy
- Prioritizing waste prevention over waste-to-energy
- Importance of meaningful engagement that has real impact

Below is a message provided directly by the Engagement Panel:

> *The Panel appreciates the opportunity to provide our reflections and observations on the most recent phase of work completed by staff on the solid waste management plan. In our opinion, the Vision and Guiding Principles that are being proposed are the result of effective and robust engagement that meets key tests established in the pre-engagement. These include:*

- *transparency of both the process and the information that staff are using to inform the process,*
- *provision of multiple engagement avenues to allow participants to "right-size" their participation, and*
- *persistent innovation in reaching those that have not traditionally had effective pathways for participation, including First Nations and equity-denied groups.*

On the last point, there were some great successes this round including significantly increased engagement with local First Nations, the Collaborative Engagement work, and the supports to equity-deserving groups which resulted in greater diversity on the Public/Technical Advisory Committee.

Overall, the Panel feels that the focus in the areas outlined in the bullet points has created a Vision and Guiding Principles that meet a greater range of needs and interests and that will have positive impacts in the solid waste management plan.

However, there continue to be challenges. Building relationships with local First Nations and Indigenous-serving organizations to create the conditions for meaningful engagement takes time and we would encourage staff to continue their work in this area. We would also note that several major waste generating sectors (i.e. tourism, hospitality) are still not engaged at the level that will be needed for members of these sectors to see their experiences and needs reflected in the final solid waste management plan. Continued efforts to find ways to engage them will be needed.

Idea Generation Engagement

The idea generation phase of the solid waste management plan update will focus on hearing from interested parties about potential actions that can be included in the plan. This process will be guided by issue/opportunity discussion questions. Seven discussion questions have been developed based on a review of the existing solid waste management plan, engagement feedback from the vision and guiding principles phase, and current solid waste management statistics. These questions will be discussed in the upcoming phase of engagement, resulting in a set of potential actions to be evaluated in the following phase: options analysis. The discussion questions, incorporating revisions based on advisory committee feedback, are included as attachment 4.

The idea generation engagement plan has been developed with an emphasis on lessons learned from the previous phase, such as meeting people where they are and leveraging existing group and committee meetings. A main focus will be connecting with underrepresented audiences and sectors.

ALTERNATIVES

1. That the GVS&DD Board approve the vision and guiding principles for the updated regional solid waste management plan as presented in the report dated June 6, 2024, titled "Solid Waste Management Plan Vision and Guiding Principles".

2. That the GVS&DD Board receive for information the report dated June 6, 2024, titled "Solid Waste Management Plan Vision and Guiding Principles" and provide alternate direction to staff.

FINANCIAL IMPLICATIONS

Activities related to planning and implementing engagement on the solid waste management plan update are covered under the approved Solid Waste Services budget.

CONCLUSION

The draft vision and guiding principles for an updated solid waste management plan are before the GVS&DD Board for consideration. The draft was developed in consideration of engagement feedback received in 2023, as well as additional feedback on an initial draft from advisory committees in early 2024. The vision and guiding principles will inform criteria used to evaluate potential strategies and actions in subsequent phases of the plan update process.

Staff recommend alternative 1: that the GVS&DD Board approve the vision and guiding principles for an updated solid waste management plan.

Staff have started to plan for the next phase of engagement: idea generation.

ATTACHMENTS

1. Draft Vision Statement and Guiding Principles
2. Detailed Timeline – Solid Waste Management Plan Update Process and Reporting to Date
3. Development and Revision of Draft Vision and Guiding Principles As a Result of Feedback
4. Idea Generation: Issue/Opportunity Discussion Questions
5. Presentation re: Solid Waste Management Plan Vision and Guiding Principles

REFERENCES

1. Engagement Summary Report – Solid Waste Management Plan Update Vision and Guiding Principles Phase
2. Vision and Guiding Principles Feedback Log
3. Solid Waste Management Plan Update Web Page

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Message from Engagement Panel starting on page 8 of this report

To: Zero Waste Committee

From: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

Date: June 24, 2025 Meeting Date: July 3, 2025

Subject: **Solid Waste Management Plan Update – Idea Generation Engagement Summary**

RECOMMENDATION
That the GVS&DD Board receive for information the report dated June 24, 2025, titled "Solid Waste Management Plan Update – Idea Generation Engagement Summary".

EXECUTIVE SUMMARY
Metro Vancouver is a North American leader in waste reduction and recycling, having achieved a 65% recycling rate – roughly twice the Canadian average. Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan and identifying opportunities to further advance waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy. The plan update is supported by a robust and inclusive engagement process.

In 2024, Metro Vancouver completed the idea generation phase of engagement, contributing to the development of potential strategies and actions, as well as draft goals and a draft waste hierarchy. An engagement summary report (Reference 1) describes key potential strategies and actions identified through engagement such as improving consistency and compliance in multi-family buildings; expanding infrastructure for repair and reuse; increasing accessible and multilingual communications; and using financial and regulatory mechanisms to encourage waste reduction and recycling.

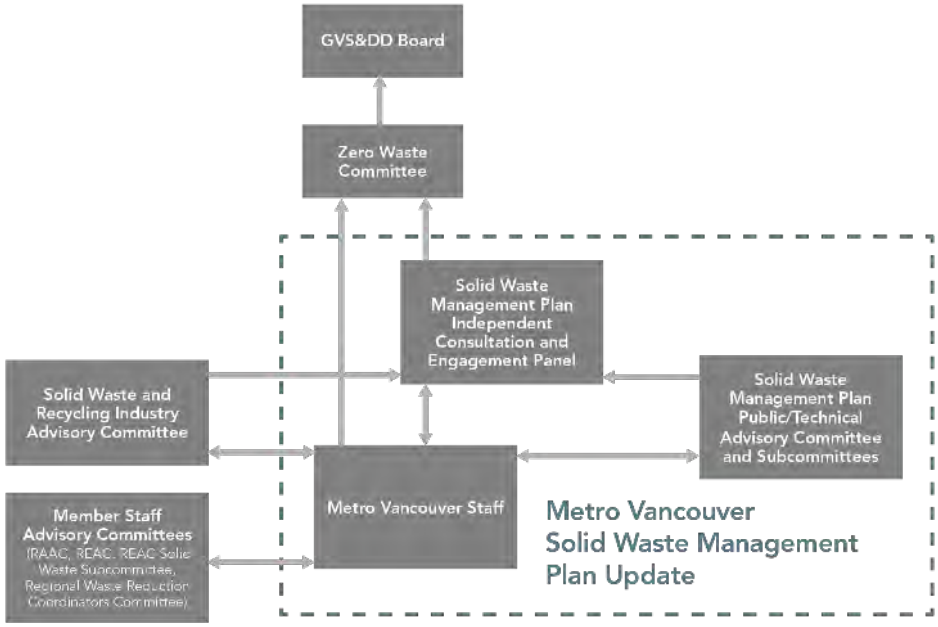
The ideas gathered through engagement are being compiled and considered using a set of criteria, resulting in a draft set of strategies and actions for further refinement through the next phase of engagement: options analysis.

PURPOSE
The purpose of this report is to provide the Zero Waste committee and GVS&DD Board with information on engagement feedback from the idea generation phase in 2024, related to updating the regional solid waste management plan.

BACKGROUND

In November of 2019 the GVS&DD Board (Board) authorized initiating an update of the regional solid waste management plan. Subsequently, a Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) was formed to provide third-party expert advice on the development of a comprehensive and inclusive engagement process. Pre-engagement was completed in 2021 to receive feedback on how audiences prefer to be involved moving forward, and the Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee were formed in 2022.

The following graphic depicts the various committees involved in providing input as the solid waste management plan is updated.



Engagement on vision and guiding principles took place in 2023, and in June 2024 the GVS&DD Board approved the resulting vision statement and guiding principles for an updated solid waste management plan, listed below. The idea generation phase launched shortly after that.

Vision: *A thriving region where nothing is wasted and resources are valued.*

Guiding Principles:

1. *A solid waste and recycling system that is affordable, convenient, and consistent across the region*
2. *A solid waste system that is resilient to climate change and future challenges*
3. *Accountability from residents, businesses and governments to prevent waste*
4. *Environmental stewardship and climate action*
5. *Inclusive solid waste services and programs*
6. *Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation*
7. *Transparency about what happens to garbage and recycling*

The following timeline shows the multiple engagement phases of the solid waste management plan update process.



IDEA GENERATION ENGAGEMENT

During the idea generation phase in 2024, Metro Vancouver sought to hear from interested parties about potential actions and strategies that could be included in an updated solid waste management plan. These ideas will be evaluated in the subsequent phase, options analysis, by applying a set of criteria and conducting engagement on the draft strategies and actions.

Idea generation engagement activities were designed and carried out to reflect Metro Vancouver's commitment to delivering a robust and inclusive engagement process and to ensure voices from impacted residents and businesses in Metro Vancouver are considered. The engagement approach was also informed by guidance from an independent panel of engagement experts.

Feedback

Metro Vancouver heard from a wide range of audiences including First Nations, member jurisdictions, neighbouring regional districts, hospitality and food retail sectors, health authorities, not-for-profit organizations, and the public. Feedback from each meeting, workshop, or conversation was recorded and compiled in a feedback log consisting of nearly 3,000 discrete lines of data.

The feedback was analyzed and organized into 13 categories. The engagement summary report (Reference 1) provides detail about the types of ideas falling under these categories, and Metro Vancouver's response. Many of the comments were already incorporated in the vision and guiding principles for the draft plan, other comments helped to inform draft goals and a draft waste hierarchy for an updated plan, and other comments were identified as potential strategies and actions to consider as part of the options analysis phase. The feedback log (Reference 2) provides a full record of engagement feedback.

Feedback that represented ideas for strategies and actions were identified; that data has been consolidated, and is undergoing further evaluation using a set of criteria, developed based on the Board Strategic Plan, the vision and guiding principles, and engagement feedback. The resulting short list of strategies and actions, along with the full list of ideas from idea generation, will be shared publicly during the options analysis phase of engagement.

Below is a snapshot of the categories of feedback, listed alphabetically:

- **Accessibility and inclusivity** to achieve equity in waste systems by addressing barriers users may experience.
- **Accountability and transparency** for residents to understand what happens to their waste and recycling, including providing detailed data and clearer definitions.
- **Affordability, convenience, and consistency** including better support for multi-family buildings, consistent services across the region, and simplified infrastructure.
- Shifting towards a **circular economy**, including promoting circular product and packaging design, and expanding infrastructure and programs for repair and reuse.
- **Collaboration** through stronger partnerships across jurisdictions and sectors to share knowledge and drive systems change.
- **Education, engagement, and awareness** by using clear, accessible, and multilingual communications to increase public understanding and participation in waste reduction.
- **Environmental stewardship and climate action**, linking waste reduction to greenhouse gas emission reduction and sustainable resource management.
- **Infrastructure and capacity**, including suggestion for decentralized systems and expanding capacity to accommodate long-term needs.
- **Innovation and technology**, including ideas on using artificial intelligence and smart tools to improve sorting, reduce contamination, and enhance user experience.
- **Markets and economy**, including the need for stable recycling markets, ideas on tax incentives and rewards to promote recycling, and stronger engagement with businesses to scale circular solutions.
- Ideas on consistent **policy and regulation** across the region included expansion of extended producer responsibility programs, penalties for excess packaging, mandated recycling, and regulations on construction waste.
- Ideas for increasing participation and reducing contamination in **recycling and composting** programs included improved labelling, education, incentives, and regulation.
- **Waste prevention** was a top priority, with excess packaging, single-use items, and food waste being prominent topics discussed.

Engagement Process

In 2024, Metro Vancouver engaged with local First Nations and member jurisdictions, adjacent regional districts, advisory committees, and the public to generate a set of potential actions and strategies for inclusion in the updated plan. These ideas will be evaluated in the upcoming phase: options analysis.

The engagement process was guided by a set of seven issue/opportunity discussion questions which were developed based on a review of the existing solid waste management plan, previous engagement feedback, and solid waste management statistics. These discussion questions served as a framework during idea generation engagement and were discussed by multiple audiences including member jurisdiction staff, adjacent regional districts, advisory committees, and the public. Some groups addressed one or two topics that were most relevant to their community or industry, while other groups addressed several or all of the topics:

What actions can build on our success to:

- *Rethink and prevent waste in the first place?*
- *Enhance accountability for eliminating waste?*
- *Leverage knowledge and expertise through collaboration?*
- *Increase participation and reduce contamination in organics and recycling programs?*
- *Promote confidence in recycling systems?*
- *Help us expand inclusive programs and services?*
- *Plan for future infrastructure and systems for waste management across the region?*

Metro Vancouver's overall approach to the idea generation phase was to meet audiences where they were. This meant providing accessible online engagement options, attending community events where people were already gathered, and working with not-for-profit organizations that had long-standing, established relationships with their membership or networks. In addition, Metro Vancouver had a dedicated engagement web page (Reference 3) with an online questionnaire that was open to the public.

First Nations, Member Jurisdictions, Neighbouring Regional Districts

Metro Vancouver began Idea Generation engagement by sending letters to First Nations, member jurisdiction mayors and councils, and neighbouring regional district boards (Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District) to describe this phase and invite participation.

Metro Vancouver received input from the Regional Engineers Advisory Committee, Regional Engineers Advisory Committee Solid Waste Sub-Committee, and the Regional Waste Reduction Coordinators' Committee through the Metro Vancouver Conference Day event, a workshop, and regular committee meetings. Metro Vancouver received feedback from neighbouring regional district staff through a virtual meeting and presented to the FVRD Board.

In July 2024, four local First Nations attended a joint meeting to discuss potential strategies, actions, and priority goals for the updated solid waste management plan. Meeting participants included representatives from the following local First Nations:

- q̓ʷɑ:n̓ƛ̓əṅ (Kwantlen)
- kʷikʷəƛ̓əm (Kwikwetlem)
- Sḵwx̱wú7mesh Úxwumixw (Squamish)
- Semiahmoo

Feedback received at the July 2024 meeting included questions about the regional recycling rate, increasing services for repurposing materials and reducing plastic packaging, tracking the effectiveness of the plan update implementation and transparency of data, options for expanding existing solid waste facilities, and investment into new technologies for innovative solutions in renewable energy and reducing greenhouse gas emissions. Detailed feedback from First Nations will be provided to the Ministry of Environment and Parks.

Solid Waste Management Plan Public/Technical Advisory Committee
The Solid Waste Management Plan Public/Technical Advisory Committee chose to form working groups to contribute their feedback to the idea generation phase of the plan update. The chosen topics for three working groups were Construction and Demolition Waste Management, Food Waste and Organics Management, and Plastics Management. In addition, six regular committee meetings were held in 2024. Eighteen committee members participated in one or more working groups and each working group was led by a committee member chair. Staff provided administrative support to the working groups.

Working groups met several times, resulting in a final presentation and recommendations. Working group meeting notes and recommendations are published on the committee website (Reference 4). Some of the recommendations included setting waste reduction and collection targets including interim goals, embedding a construction zero waste hierarchy within Metro Vancouver's procurement and policies, and working across sectors and levels of government to improve food waste policies. The committee also had other opportunities at regular meetings to contribute feedback on idea generation to ensure committee members who were not a part of the working groups had a chance to provide feedback.

Solid Waste and Recycling Industry Advisory Committee
The Industry Advisory Committee elected to incorporate small group discussions into regular meetings to allow deeper focus on key topics related to the solid waste management plan update. Members also took part in two in-person workshops during the idea generation phase to contribute directly to the plan development. Feedback from this group demonstrated their commitment to leveraging solid waste management opportunities and innovative solutions for the region, highlighted the importance of public and private sector collaboration, and included ideas on planning, infrastructure, accountability, and education. Meeting notes, including small group feedback summaries, are available on the committee web page (Reference 5).

Public
In fall 2024, staff engaged the public through various channels including an online questionnaire, community events, and opportunities to present directly to the Zero Waste Committee, Solid Waste Management Plan Public/Technical Advisory Committee, and Independent Consultation and Engagement Panel. Engagement was promoted through an e-blast, newspaper advertisements, QR codes on weigh scale receipts, and social media posts. Metro Vancouver received 228 responses to the online questionnaire and engaged 1,385 residents at community events, and 6,500 residents at the PNE who participated in an engagement activity.

Metro Vancouver made efforts to reach out to sectors, particularly those that are impacted by the solid waste management plan but have not participated in previous phases of the plan update process, including seniors, food retail and food service, construction and demolition, and multi-family housing. Four virtual dialogue sessions were facilitated with representatives from key sectors including food and beverage, health care, and tourism. Three interviews were held with representatives from housing and food retail sectors.

Collaborative Engagement
Metro Vancouver initially introduced the Collaborative Engagement program during the vision and guiding principles phase, offering funding and support to not-for-profit organizations to conduct engagement with their members or networks. To help reduce barriers for the participating organizations, Metro Vancouver provided a comprehensive toolkit of resources including materials to support engagement planning. The success of the program in its first year led Metro Vancouver to repeat the program during the idea generation phase, with a few improvements based on participant feedback in the previous year. These improvements included providing printable resources to ensure groups without access to technology could participate, simplifying technical language to increase accessibility, and increasing the amount of time for organizations to plan and schedule their engagement activities.

Through this program, Metro Vancouver heard from over 1,500 individuals from underrepresented or equity-denied communities. These participants were very grateful to be given the opportunity to contribute to the solid waste management plan update process and they would not be participating without this program. The program also took a non-directive approach for engagement, allowing participating organizations to decide what engagement activity would work for them and their audiences.

In 2024 Metro Vancouver worked with 16 organizations and reached over 650 residents. Participating organizations delivered engagement activities including workshops, questionnaires, focus groups, interviews, newsletters, a shoreline cleanup event, virtual forums, and social media engagement. The Collaborative Engagement program will continue in Fall 2025 during the options analysis phase.

More information can be found on the Collaborative Engagement web page (Reference 6).

Solid Waste Management Plan Independent Consultation and Engagement Panel
Metro Vancouver receives guidance from the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) on the development and implementation of engagement on the solid waste management plan update. The Engagement Panel is an independent, third-party panel including: Andrea Reimer (Chair), Cheryl Brooks, Peter Fassbender, and Veronika Bylicki. Sarah Kirby-Yung, Metro Vancouver Board Director and Chair of the Zero Waste Committee, is the Zero Waste Committee liaison on the panel. In addition to providing advice during engagement planning and implementation, the public was invited to present directly to the Engagement Panel, offering an opportunity to provide feedback on the engagement process itself.

Below is a message provided directly by the Engagement Panel:

> *The idea generation engagement summary is an important milestone in the work to build Metro Vancouver's next solid waste management plan, and the Panel is pleased to offer our comments on it.*
>
> *As Zero Waste Committee members may remember from earlier submissions, through pre-engagement in the early stages of our work the Panel established three main tests by which to judge the effectiveness of engagement. These are (1) transparency of both the process and the information that staff are using to inform the process; (2) provision of multiple engagement avenues to allow participants to "right size" their participation, and (3) persistent innovation in reaching those that have not traditionally had effective pathways for participation, including First Nations and equity-denied groups.*
>
> *In our opinion this most recent phase has met these tests through continuous innovation by staff of processes that support these outcomes. The engagement in the idea generation phase has also substantively addressed some general areas of focus we suggested in our last report to the Zero Waste Committee in June 2024, on the occasion of the vision and guiding principles engagement report. Specific items that have seen good progress in this phase of engagement:*
>
> - *We were heartened to see that diligent efforts to engage local First Nations resulted in a direct meeting with some First Nations, as well as ongoing efforts by Metro Vancouver to increase First Nations engagement with the creation and expansion of several working groups.*
>
> - *Specific sectors with high touchpoints on solid waste such as hospitality and tourism which have been difficult to engage, were the most engaged we've seen since this work began in 2020. Specific factors in this success are an expanded Collaborative Engagement program and through targeted outreach that builds*

on the relationships staff have built in these sectors over the course of the engagement work.

Thank you for the opportunity to provide comments on this phase of engagement and we are happy to answer questions as they arise.

ALTERNATIVES
This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS
Engagement on the solid waste management plan update is included in the approved Solid Waste Services budget.

CONCLUSION
Metro Vancouver is a North American leader in waste reduction and recycling. Through updating the regional solid waste management plan, it strives to further advance waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy. The plan update process is supported by a robust and inclusive engagement process, going above and beyond provincial requirements. In 2024, Metro Vancouver completed the idea generation phase of engagement contributing to the development of potential strategies and actions, as well as draft goals and a draft waste hierarchy. An engagement summary report describes key potential strategies and actions identified through engagement, organized into categories. The ideas gathered through engagement are being consolidated and assessed using key criteria, to produce a draft set of strategies and actions for engagement in the next phase: options analysis.

REFERENCES
1. Metro Vancouver. (2025). Solid Waste Management Plan Idea Generation Engagement Summary Report. https://metrovancouver.org/services/solid-waste/Documents/idea-generation-engagement-summary-report.pdf.
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3. Metro Vancouver. (2025). Solid Waste Management Plan Update Web Page. https://metrovancouver.org/services/solid-waste/solid-waste-management-plan-update.
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5. Metro Vancouver. (2025). Solid Waste and Recycling Industry Advisory Committee Web Page. https://metrovancouver.org/services/solid-waste/solid-waste-and-recycling-industry-advisory-committee.
6. Metro Vancouver. (2025). Solid Waste Management Plan Collaborative Engagement Web Page. https://metrovancouver.org/services/solid-waste/collaborative-engagement-program.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

To: Zero Waste Committee

From: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

Date: March 16, 2026 Meeting Date: April 2, 2026

Subject: **Report from the Solid Waste Management Plan Independent Consultation and Engagement Panel**

RECOMMENDATION

THAT the GVS&DD Board receive for information the report dated March 16, 2026, titled "Report from the Solid Waste Management Plan Independent Consultation and Engagement Panel".

EXECUTIVE SUMMARY

The Solid Waste Management Plan Independent Consultation and Engagement Panel provided a report summarizing the panel's reflections on engagement related to the solid waste management plan update (**Attachment 1**). Below is the executive summary in the panel's report:

> *The Independent Consultation and Engagement Panel is pleased to report that Metro Vancouver's solid waste management plan engagement process represents a genuine step change from previous practice. Across our three tests — transparency, participation breadth, and innovation in reaching underrepresented communities — this final phase has continued to demonstrate meaningful and measurable progress.*
>
> *Two challenges are worth naming directly: a persistent trust gap with a small sub-group of participants for whom the deliberative formats in this phase were poorly matched to their advocacy interests; and compressed timelines that lowered accessibility for some Collaborative Engagement participants.*
>
> *Looking ahead, three opportunities stand out: sustaining the relational capital built, particularly with equity-denied groups and First Nations; innovating tools to better support shared understanding across divergent viewpoints; and, for broader benefit to Metro Vancouver's other departments and the public sector generally, documenting and sharing the impacts of empowering an independent panel in the engagement process.*

REPORT FROM THE SOLID WASTE MANAGEMENT PLAN INDEPENDENT CONSULTATION AND ENGAGEMENT PANEL

The attached report from the Solid Waste Management Plan Independent Consultation and Engagement Panel provides the panel's reflections on the adequacy of engagement during all phases of the solid waste management plan update, including the more recent phases on options analysis and the initial draft plan. The panel has reported to the Board at each phase of engagement on the solid waste management plan update.

Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan and its success as a North American leader in waste reduction and recycling. The draft updated plan identifies opportunities to further advance waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy. The plan update is supported by a robust and inclusive engagement process. To bolster this commitment, Metro Vancouver receives guidance from the Solid Waste Management Plan Independent Consultation and Engagement Panel on the development and implementation of engagement on the solid waste management plan update (Reference 1). This third-party panel includes seven members (Reference 2): Andrea Reimer (Chair), Celena Benndorf, Cheryl Brooks, Komal Fatima, Peter Fassbender, Ryan Williams, Veronika Bylicki, and Sarah Kirby-Yung (Zero Waste Committee liaison to the panel). The panel provides advice during engagement planning and implementation. In addition, the public was invited to present directly to the panel at each phase of the plan update, offering an opportunity to share feedback on the engagement process itself.

ATTACHMENTS

1. "Independent Panel Report on the Final Phase of Engagement for the SWMP Update", dated February 19, 2026.

REFERENCES

1. Metro Vancouver. (2026, February). *Solid Waste Management Plan Independent Consultation and Engagement Panel Terms of Reference*. https://metrovancouver.org/services/solid-waste/Documents/swmp-consultation-engagement-panel-terms-of-reference.pdf
2. Metro Vancouver. (2026, February). *Solid Waste Management Plan Independent Consultation and Engagement Panel Member Biographies*. https://metrovancouver.org/services/solid-waste/Documents/swmp-panel-bios.pdf

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Independent Panel Report on the Final Phase of Engagement for the SWMP Update - February 19, 2026

Prepared by Andrea Reimer, Chair of the Solid Waste Management Plan Independent Consultation and Engagement Panel, with input and support from panel members

Executive Summary

The Independent Consultation and Engagement Panel is pleased to report that Metro Vancouver's solid waste management plan engagement process represents a genuine step change from previous practice. Across our three tests — transparency, participation breadth, and innovation in reaching underrepresented communities — this final phase has continued to demonstrate meaningful and measurable progress.

Two challenges are worth naming directly: a persistent trust gap with a small sub-group of participants for whom the deliberative formats in this phase were poorly matched to their advocacy interests; and compressed timelines that lowered accessibility for some Collaborative Engagement participants.

Looking ahead, three opportunities stand out: sustaining the relational capital built, particularly with equity-denied groups and First Nations; innovating tools to better support shared understanding across divergent viewpoints; and, for broader benefit to Metro Vancouver's other departments and the public sector generally, documenting and sharing the impacts of empowering an independent panel in the engagement process.

Introduction

The Solid Waste Management Plan Independent Consultation and Engagement Panel (the Panel) is pleased to present our report reflecting on engagement for Metro Vancouver's updated solid waste management plan, as the region concludes its multi-year engagement process. For reference, the Panel was established by the Metro Vancouver GVS&DD Board (the Board) at the outset of the plan update in 2020 to *"ensure consultation is robust and adequate, and feedback is solicited from a variety of interested parties and stakeholders."*

This report is structured in three sections: what went well, some reflections on the challenges of this phase, and opportunities for the future.

As a reminder, following pre-engagement in the early stages of our work (2021) the Panel established three tests by which to evaluate the effectiveness of engagement throughout this process. These are: (1) transparency of both the process and the information that staff are using to inform the process; (2) provision of multiple engagement avenues to allow participants to "right-size" their participation; and (3) persistent innovation in reaching those that have not traditionally had effective pathways for participation, including First Nations and equity-denied groups.

These tests have guided our evaluation at every phase, including this one.

1. What Went Well

Across all three tests, it is our opinion that engagement in this phase of plan development has continued to demonstrate meaningful and measurable progress.

On transparency, staff have gone to considerable lengths to provide the information people need to participate effectively in engagement. They have been responsive to requests for additional information, working to present it in language accessible to the relevant audience. Importantly, staff have also provided substantive commentary on the range of positions gathered through engagement to show what has been incorporated into the plan and, where positions could not be incorporated, they have given decision-makers clear line of sight into what those positions were and why they weren't included. This is a high standard of transparency that supports genuinely informed decision-making by the Zero Waste Committee (ZWC) and Board.

On expanding participation, every phase of this process has seen increasing numbers and breadth of people and sectors engaged. This is a direct result of deliberate effort and innovations such as the Collaborative Engagement program which provides funding and resources to not-for-profit organizations supporting underrepresented or equity-denied communities to engage their networks. 20 organizations participated in the program, reaching over 3,000 residents over the last three phases -- residents who otherwise may not be aware of or have access to opportunities to provide input.

Equally significant is that people and participating organizations keep coming back — which speaks not just to quantity but to a continuing improvement in the quality of engagement. People return when they feel their participation is worthwhile.

The cumulative result of this work is a draft plan that reflects a far greater range of people, communities and interests than previous Metro Vancouver plans. That is a meaningful achievement.

2. Some Reflections on the Challenges

We offer these reflections in the spirit of continuous improvement and in recognition that a process this ambitious will surface tensions that are worth naming clearly.

2.a Trust gap

In the pre-engagement phase, the Panel noted a significant trust gap with a small sub-group of participants deeply involved in different aspects of the waste management sector. Our hope was that this process could help close that gap. It did not, and as engagement moved closer to decision points in this final phase, the friction between the varied content outcomes individuals in this sub-group wanted and staff charged with representing the results of engagement with broader interests became more pronounced. We offer the following observations on how this might be avoided in the future.

- *Matching interests to appropriate engagement formats.* With one exception, the individuals in this sub-group have various financial interests in the outcome of the plan and in all cases they joined one or both of the Solid Waste Management Plan Public/Technical Advisory Committee (PTAC) and Solid Waste and Recycling Industry Advisory Committee (IAC) to advance their interests. These are legitimate interests — but people with strong and fixed positions on outcomes are not well served by a format designed for dialogue and deliberation, and the process is not well served by their participation in that format. A dedicated engagement stream better suited to advocacy and bilateral exchange would have been more appropriate for this sub-group and would likely have reduced friction for everyone.

- *Expectation setting about staff's role.* There was sustained concern from members of this sub-group about whether their views were being adequately represented in staff reports to the ZWC and Board, to the point where the Panel began attending all PTAC and IAC meetings beginning in the fall of 2025, to serve as a second set of eyes on staff's recording of feedback. We did not observe a single instance where staff failed to record feedback diligently and accurately. At the same time, some participants appeared to expect verbatim notes — which is poor engagement practice — and detailed individual responses to every question raised, which would be extremely difficult to resource. Staff put considerable effort into trying to meet these expectations. Clearer expectation-setting at the outset about what staff can and can't do, and why, would help in future processes.

- *Reinforcing agreements from earlier phases.* The phased approach provided valuable space in the earlier stages for ideation and for staff to build capacity and expand audiences. The downside of a four-year engagement process is that participants struggle to recall commitments and shared agreements established in earlier phases. Future processes should either be shorter, or invest much more deliberately in tools that bring participants back to the agreements reached along the way.

2.b. Accessibility

A smaller but equally important thread in this final phase concerned some challenges with the Collaborative Engagement program. It is worth emphasizing that in general, participating organizations and the people they engage in the process value and appreciate the opportunity to participate through Collaborative Engagement. However, the compressed timeline of this final phase relative to what was available in earlier phases made it harder for participating organizations to meaningfully engage their communities on the complexity of the draft plan.

This points to a structural issue worth naming directly: the final phases of a planning process — where the task shifts to building shared understanding of different viewpoints and converging on options — are inherently more demanding for participants. If anything, more time should be allocated as a process approaches its conclusion, not less.

3. Opportunities for the Future

Metro Vancouver's approach to engagement on the solid waste management plan represents a genuine step change from previous practice. The Panel's hope is that the lessons of this process — both its successes and its challenges — are carried forward into future major plan updates and do not have to be relearned from scratch.

Three opportunities stand out.

First, this process has built not just broader relationships but deeper ones. That relational capital, particularly in reaching equity-denied groups, hard-to-engage sectors and First Nations is an asset. Finding ways for those that did engage in this process to continue deepening their connections to solid waste planning by being engaged in the implementation of the plan will not just benefit the implementation but it will also save Metro Vancouver significant time and resources in building engagement in future planning.

Second, through this process Metro Vancouver has developed excellent tools and approaches for gathering broad high-level input on values and guiding principles, and generating and evaluating ideas — but the next frontier is helping people through the harder work of building shared understanding across divergent viewpoints, what engagement practitioners call the "Groan Zone." This is not a Metro Vancouver-specific challenge; it is one being faced across democracies. The engagement foundation built through this plan update is very strong, and taking that momentum into the Groan Zone challenge is worth doing.

Finally, the Panel intends to document and share what has been learned through this process in a final report, to be completed between April and July 2026. The innovations developed here have value beyond this plan and beyond Metro Vancouver, and we would like to give you the tools to realize those benefits.

The Panel thanks the ZWC, the Board and staff for the opportunity to contribute to this process. It has been a privilege to support engagement work of this significance.

Appendix C

Solid Waste Management Plan

Public/Technical Advisory Committee (PTAC)

List of Contents
PTAC Terms of Reference
PTAC Membership List
PTAC List of Meetings
PTAC Agenda and Meeting Notes
PTAC Working Groups Meeting Notes

Solid Waste Management Plan

Public/Technical Advisory Committee

Terms of Reference

Updated January 17, 2025

1. PURPOSE

For the duration of the solid waste management plan update, Metro Vancouver will engage with governments (including First Nations), government and regulatory agencies, waste and recycling industry representatives, waste producers, businesses, communities of interest, and Metro Vancouver residents to review and update the current *Integrated Solid Waste and Resource Management Plan* (2011). The updated solid waste management plan will build on the strengths of the current plan and identify opportunities for accelerated waste reduction and recycling, while reducing greenhouse gases and promoting a circular economy.

The purpose of the solid waste management plan public/technical advisory committee (committee) is to provide a forum for contribution from individuals from a range of backgrounds to inform the review and update of the solid waste management plan. The purpose of these terms of reference is to describe role of the committee.

2. TIMEFRAME

The committee will exist for the duration of the solid waste management plan update process.

3. SCOPE OF WORK

The committee will receive and review information, and advise on topics related to the development of the solid waste management plan. Committee members will be invited to pose questions, engage in discussion, and provide comments for consideration as the plan is developed. Potential topics for engagement with the committee include the circular economy, waste reduction and recycling, greenhouse gas emissions reduction, residuals management, asset and risk management, innovation, resilience, affordability, and collaboration and engagement.

A separate First Nations engagement strategy will help ensure a collaborative government-to-government engagement approach with First Nations whose territories include all or part of the Metro Vancouver region as well as a community engagement approach with urban Indigenous organizations, off-reserve and non-status First Nations, Métis, and Inuit.

4. MEMBERSHIP

The committee will be composed of members representing a diversity of sectors and interests, who bring a variety of personal qualities, perspectives, and experiences to solid waste and recycling issues.

The following is a list of sectors/interests that could be represented by committee members:

- Adjacent regional district elected official
- Agriculture
- Circular economy

- Construction and demolition
- Extended producer responsibility programs
- Food service
- Government agencies and health authorities
- Healthcare
- Housing
- Large waste generators (e.g. academic institutions, school boards, transportation hubs, entertainment sector)
- Multi-family residences (e.g. residents, landlords, property management associations)
- Non-governmental/non-profit organizations and environmental stewardship groups
- Organics processing
- Public members-at-large (e.g. youth, seniors, and multicultural, accessibility, and resident/community associations)
- Recycling industry
- Reduction/repair/refill industry
- Retail/grocery
- Small- and medium-sized businesses, and business improvement associations, chambers of commerce, boards of trade
- Tourism and hospitality
- Underrepresented or equity-denied groups
- Urban Indigenous people
- Waste industry
- Workers/unions
- Youth

The following is a list of possible desired personal qualities, perspectives and experience of committee members:

- Demonstrates community/committee involvement and the ability to work collaboratively with others (e.g. openness to different/opposing views)
- Demonstrates personal commitment to zero waste, circular economy goals, sustainability, and climate action
- Demonstrates the ability to advance innovation
- Experienced with waste, waste reduction and recycling (i.e. lived experience, technical expertise, or both)
- Belongs to a community that is typically underrepresented (e.g. women, LGBTQ2S+, Indigenous persons, immigrants, visible minority, persons with disabilities, youth, etc.)
- Represents the interests/perspectives of a group of people/sector

To encourage diversity, equity[1], and inclusion on the Solid Waste Management Plan Public/Technical Advisory Committee, financial support is available to enable member participation, including funding for attending meetings, transportation allowance, child care, access to technology, and more.

[1] Equity is the fair distribution of opportunity, privilege and resources to meet the needs of all people, regardless of age, ability, gender, income, education level, culture, geographic location or background. Equity recognizes that services and resources can also be distributed based on need. Adopting an equity-centered approach ensures that equity-denied groups are not disproportionately impacted by Metro Vancouver operations and that initiatives within Metro Vancouver's mandate have the opportunity to contribute to the advancement of equity in the region.

The elected Co-Chair of the Solid Waste and Recycling Industry Advisory Committee will automatically be a member of the Public/Technical Advisory Committee.

5. SELECTION PROCESS

Membership will last the duration of the solid waste management plan update process. Committee members should be prepared to participate through the full term.

Committee members with the exception of the chair and vice-chair will be filled through a call for applications. Potential committee members who belong to typically underrepresented or equity-denied communities will be identified through recruitment, with support mechanisms put in place to lower barriers to participation. Metro Vancouver may recruit new committee members during the solid waste management update process as required.

Calls for applications will be promoted publically, and shared with our member jurisdictions and partners. Potential committee members will be asked to specify their sector/interest during the call for applications and an individual could identify more than one sector/interest. Not all sectors/interests will necessarily be represented on the committee, and more than one individual could be selected to represent a sector/interest. Following receipt of applications, the applicants will be evaluated based on the personal characteristics outlined in the above section on membership. Member jurisdiction staff are engaged through other channels, and therefore are not considered for membership on the Public/Technical Advisory Committee. Recommendations for members will be reviewed by the Independent Consultation and Engagement Panel in advance of the recommendations being considered by the Zero Waste Committee and Board in closed meetings, before being released to the public.

6. CHAIRS

The committee chair and vice-chair will be members of the Zero Waste Committee, recommended by the Board Chair and selected by the Board in a closed meeting. The committee vice-chair may fulfil the role of the chair in the event that the chair is unavailable.

7. ADVISORY ROLE OF COMMITTEE

The role of the committee is advisory to Metro Vancouver. No votes will be held to determine the group's position on issues or recommendations to Metro Vancouver. Where consensus exists, it will be noted; minority opinions will be considered to have merit and will be noted.

8. MEETINGS

a. Meetings will be held approximately 4–6 times per year for the duration of the solid waste management plan update process.
b. The meeting dates and times will be determined by the chair and vice-chair in consultation with committee members, and will be scheduled at intervals relevant for the solid waste management plan development.
c. Meeting times may be held during normal business hours.
d. The chair and vice-chair will work with Metro Vancouver staff to draft meeting agendas and coordinate meeting materials, which will be circulated to the committee in advance of meetings.
e. The meetings will be structured to encourage dialogue and collaboration on relevant issues within the constraints of the planned agendas.
f. Meeting notes and action trackers will be kept for each meeting. Meeting notes shall not reflect the names of individual speakers or their stance on issues; rather, they shall reflect

the issues discussed, significant points of view on the issues and the resolutions or actions to be taken.

g. Meetings will be held virtually or in person at Metro Vancouver offices located at 4515 Central Boulevard in Burnaby, British Columbia or an alternative location.
h. Virtual meetings will be livestreamed on the committee website and the recording will be posted on the website after each meeting. In-person meetings will not be recorded or livestreamed and will not have an online participation option.
i. If a minimum of 5 members are not in attendance at a meeting, the committee chair and vice-chair may choose to defer or cancel the meeting.
j. Meetings will be open to any individual who wishes to observe the discussions either in person or through the livestream link, although only committee members will be provided standing to participate in the discussion. Non-members may request an opportunity to present to the committee through two weeks' advance written submission for consideration by the chair and vice-chair.
k. The committee may invite groups and subject matter experts to present and provide advice and feedback on specific agenda items, at the discretion of the chair and vice-chair.
l. Metro Vancouver staff are not members of the committee, but will attend meetings to provide information on various topics, respond to questions, take meeting notes, etc.
m. All committee agendas will be published and publicly available in advance of meetings, and meeting notes posted thereafter on Metro Vancouver's website.
n. Metro Vancouver will coordinate the venue and meeting logistics, invitations, notetaker, refreshments, and other requests received for the committee.
o. Committee members may be reimbursed by Metro Vancouver for reasonable, out-of-pocket expenses associated with participating in meetings.

9. WORK PLAN

An annual work plan for the committee will be developed by Metro Vancouver staff based on deliverables in the solid waste management plan development. The work plan will be reviewed annually by the committee, and will guide development of meeting agendas.

10. CODE OF CONDUCT

This code is intended to serve as a framework to guide the spirit and intent of how members are expected to deliver on the committee's purpose and objectives in an ethical and respectful manner.

a. *Respect and Collaboration*: Discussions and debates shall take place in an atmosphere of mutual respect and solutions-oriented collaboration, recognizing the value of different perspectives and seeking to understand the interests and needs of all affected parties.
b. *Transparency*: It is expected that all members speak honestly and transparently, engaging in good-faith dialogue and sharing information openly to encourage fact-based dialogue.
c. *Treatment of other Members*: Members have a duty to treat other members with respect during committee meetings. Specifically, members have a duty to avoid:
    - disrupting meetings by making continual interruptions or whispered asides
    - making offensive or abusive remarks directed at other members
    - impugning the motives of other members or supporting staff
    - ignoring the legitimate direction of the chair or vice-chair

Members who object to the behaviour of another member as identified in this code of conduct are asked to identify their concerns immediately to the committee chair and vice-chair. A member whose behavior repeatedly does not meet the code of conduct requirements may be asked to resign or be removed from the committee by the chair or vice-chair.

11. MEMBERSHIP ATTENDANCE AND RESIGNATION

Members are expected to make best efforts to attend all committee meetings. Members who miss half or more of the meetings in a calendar year, without reasonable explanation, may be removed from the committee. Members should inform Metro Vancouver staff if there is a specific reason for the missed meetings. Members who feel they have been unfairly removed from the committee will have an opportunity to appeal to the chair.

Members wishing to resign from committee membership should provide written notice of their intent to resign, including the effective date of their resignation, addressed to the committee chair and vice-chair.

Following a member's resignation, the organization represented by that member can recommend a replacement from the same organization. A formal call for applications would not be required. The recommended replacement would be considered by the Zero Waste Committee and would require approval by the Board.

Members who relocate to outside of the Metro Vancouver Regional District during their membership on the committee must notify Metro Vancouver staff of their relocation and their intent to continue on the committee or to resign. It is expected that members have interests in or connections to the Metro Vancouver region.

12. BUDGET AND RESOURCES

Funding for general meetings is provided by Metro Vancouver. Any additional funding for special projects or studies is subject to Metro Vancouver approval.

13. MEDIA PROTOCOL

Media requests will be directed to Metro Vancouver's media relations team. Individual members will not speak on behalf of the committee, unless it has been discussed and approved by the committee chair and vice-chair in advance.

The committee chair and vice-chair will be the chief spokespeople on behalf of the committee. For high profile issues, the role of spokesperson rests with the Board chair, vice-chair or the chair of the Zero Waste Committee. On technical matters or in cases where an initiative is still at the staff proposal level, a senior staff member is the appropriate chief spokesperson.

14. DECLARING CONFLICT OF INTEREST

Committee members must declare any conflicts of interest, real or perceived, at the outset of the process or as soon as it becomes known to the member.

Solid Waste Management Plan Public/Technical Advisory Committee

Membership List

Sarah Kirby-Yung, Chair	Jaye-Jay Berggren
Director Craig Hodge, Vice-Chair	Jennifer Henry
Adelyn Chan	John Doherty
Allen Lynch	Kevin Huang 黃儀軒
Amika Watari	Komal Fatima
Ben Liegey	Lori Bryan
Bill Chan	Louise Schwarz
Brenda Martens	Marcelle Moreira
Cassidy vander Ros	Matthew Morin
Christoph Schultz	Michael Zarbl
Cody Irwin	Raman Johal
Daniel Rotman	Sarah Scanlan
Daryl Foster	Sean Miles
Doug Schell	Stephanie Voysey
Gil Yaron	Sue Maxwell
Grant Hankins	Tara Immell
Jake Turek	Ulwiana Mehta-Malhotra
Jamie Kaminski	William Selten

Public/Technical Advisory Committee List of Meetings

	Meeting Dates	Description
1.	June 30, 2022	Introduction to Public/Technical Advisory Committee and review of terms of reference
2.	September 21, 2022	Information on Metro Vancouver solid waste system
3.	April 28, 2023	Workshop on Vision and Guiding Principles
4.	June 1, 2023	Update on Vision and Guiding Principles and other solid waste studies
5.	September 7, 2023	Workshop on Performance Metrics
6.	November 16, 2023	Update on Vision and Guiding Principles engagement
7.	February 23, 2024	Meeting to discuss Public/Technical Advisory Committee Working Group terms of reference and discussion topics
8.	April 12, 2024	Feedback on plan issues/ opportunities discussion questions for Idea Generation engagement
9.	June 14, 2024	Public/Technical Advisory Committee Working Group updates and Waste-to-Energy Facility Tour
10.	September 13, 2024	Feedback on Performance Metrics
11.	November 7, 2024	Opportunity for public presentations to the Public/Technical Advisory Committee and the Zero Waste Committee on the Idea Generation phase of the plan update
12.	November 21, 2024	Public/Technical Advisory Committee Working Group presentations
13.	February 21, 2025	Feedback on Options Analysis criteria
14.	April 10, 2025	Workshop on plan Hierarchy, Goals, and Metrics
15.	May 8, 2025	Feedback session on draft Options Analysis criteria, Hierarchy, Goals, and Metrics
16.	June 19, 2025	Feedback on Hierarchy and Regulatory Strategy
17.	September 18, 2025	Feedback session on plan Strategies and Vancouver Landfill Tour
18.	October 3, 2025	Workshop on potential Strategies and Actions
19.	November 20, 2025	Feedback on plan Targets and Metrics
20.	January 29, 2026	Review of the initial Draft Solid Waste Management Plan
21.	February 19, 2026	Feedback session on the initial Draft Solid Waste Management Plan
22.	April 2, 2026	Regular Meeting with Appreciation Lunch

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Regular Meeting

June 30, 2022
2:30 pm – 5:00 pm
Zoom Videoconference

A G E N D A

ITEM
1. WELCOME **1.1. Welcome from the chair** **1.2. Meeting procedures and etiquette**
2. ADOPTION OF THE AGENDA
3. INTRODUCTIONS **3.1. Chair Jack Froese and Vice-Chair Craig Hodge** **3.2. Jerry Dobrovolny, Metro Vancouver Commissioner/CAO** **3.3. Solid Waste Management Plan Independent Consultation and Engagement Panel** • **Andrea Reimer (Chair)** • **Cheryl Brooks** • **Peter Fassbender** • **Veronika Bylicki** **3.4. Committee members** **3.5. Metro Vancouver staff**
4. METRO VANCOUVER UPDATES
4.1 Public/Technical Advisory Committee Terms of Reference Speaker: Paul Henderson, Metro Vancouver
4.2 Introduction to Metro Vancouver and the Solid Waste Management Plan Speakers: Chris Underwood and Sarah Evanetz, Metro Vancouver
4.3 Engaging with the Committee and Meeting Delivery Speaker: Sandy Young, Metro Vancouver
5. ACTION ITEMS AND NEXT STEPS Speaker: Sandy Young, Metro Vancouver

6. NEXT MEETING:
September 21, 2022

Attachment 1: Terms of reference – Solid Waste Management Plan Public/Technical Advisory Committee
Attachment 2: Member bios – Solid Waste Management Plan Public/Technical Advisory Committee

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Thursday, June 30, 2022
Zoom Meeting
2:30 pm – 5:00 pm

Meeting Notes

Attendees: Director Jack Froese, Chair; Director Craig Hodge, Vice-Chair; Alice Henry, Ben Liegey, Bill Chan, Brenda Martens, Christian Dietrich, Cody Irwin, Daniel Rotman, Doug Schell, Grant Hankins, Hunter Bergen, Jamie Kaminski, Jaye-Jay Berggren, Jessica Savoy, John Doherty, Louise Schwarz, Love-Ese Chile, Lyndsay Poaps, Mary Polak, Michael Zarbl, Raman Johal, Sara Larter, Tara Immell, William Selten.

Absent: Brianne De Man, Don Swerdan, Jake Turek, Kevin Huang, Matthew Morin, Sue Maxwell, Ulwiana Mehta-Malhotra, Yasmin Abraham.

Independent Consultation and Engagement Panel: Andrea Reimer, Chair; Cheryl Brooks, Peter Fassbender, Veronica Bylicki.

Metro Vancouver Staff: Jerry Dobrovolny, Paul Henderson, Chris Underwood, Sarah Evanetz, Brooke Atkinson, Sandy Young, Adriana Velázquez, Nanette van Doorn, Lynne Vidler, Chris Chong.

1.	**WELCOME** • Meeting started at 2:30 pm.	Chair
	1.1 Welcome from the Chair **1.2 Meeting procedures and etiquette**	Chair Sandy Young
2.	**AGENDA** • The Solid Waste Management Plan Public/Technical Advisory Committee agenda for the June 30, 2022 meeting was put forward by the Chair.	Chair
3.	**INTRODUCTIONS**	Chair
	3.1 Chair Jack Froese and Vice-Chair Craig Hodge **3.2 Jerry Dobrovolny, Metro Vancouver Commissioner/CAO**	Chair

	3.3 Solid Waste Management Plan Independent Consultation and Engagement Panel • Andrea Reimer (Chair) • Cheryl Brooks • Peter Fassbender • Veronika Bylicki **3.4 Committee members** • Alice Henry • Ben Liegey • Bill Chan • Brenda Martens • Brianne De Man • Christian Dietrich • Cody Irwin • Daniel Rotman • Don Swerdan • Doug Schell • Grant Hankins • Hunter Bergen • Jake Turek • Jamie Kaminski • Jaye-Jay Berggren • Jessica Savoy • John Doherty • Kevin Huang • Louise Schwarz • Love-Ese Chile • Lyndsay Poaps • Mary Polak • Matthew Morin • Michael Zarbl • Raman Johal • Sara Larter • Sue Maxwell • Tara Immell • Ulwiana Mehta-Malhotra • William Selten • Yasmin Abraham **3.5 Metro Vancouver staff**	
4.	**METRO VANCOUVER UPDATES**	
	4.1 Public/Technical Advisory Committee Terms of Reference • Provincial guidelines define the role of advisory committees to advise regional districts on matters pertaining to solid waste management planning. • The purpose of the committee is to provide a forum for individuals of different backgrounds to inform the plan review and update. The committee will meet regularly for the duration of the plan update. Meetings will be open to the public to observe. • Potential topics for discussion include waste reduction and recycling, circular economy, GHG emissions, collaboration and engagement, affordability, innovation, and residual management. • The Public/Technical Advisory Committee is comprised of 31 members with a variety of backgrounds.	Paul Henderson, Metro Vancouver

	• Media requests related to the Public/Technical Advisory Committee should be directed to Metro Vancouver staff. • Support is available to any members who face barriers to participation. For more information, contact zerowaste@metrovancouver.org	

	4.2 Introduction to Metro Vancouver and the Solid Waste Management Plan
	• Metro Vancouver is a federation of 21 municipalities, one Electoral Area and one Treaty First Nation that delivers regional-scale services to 2.7 million residents.
	• Metro Vancouver's core services include drinking water, wastewater treatment, and solid waste management.
	• Metro Vancouver's current solid waste management plan was approved in 2011. An updated plan will build on the strengths of the current plan, and identify opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.
	• Engagement focus on providing equitable opportunities for Indigenous peoples, stakeholders, and communities of interest to participate and provide feedback.
	• To deliver a robust engagement, new elements have been put in place including:
	  ○ the Independent Consultation and Engagement Panel
	  ○ a pre-engagement phase to help shape the engagement process
	• Pre-engagement took place in spring 2021 to learn about preferred communications channels, methods of participation, information needs and what could be done to encourage broad participation in future phases.
		Chris Underwood, Sarah Evanetz, Metro Vancouver

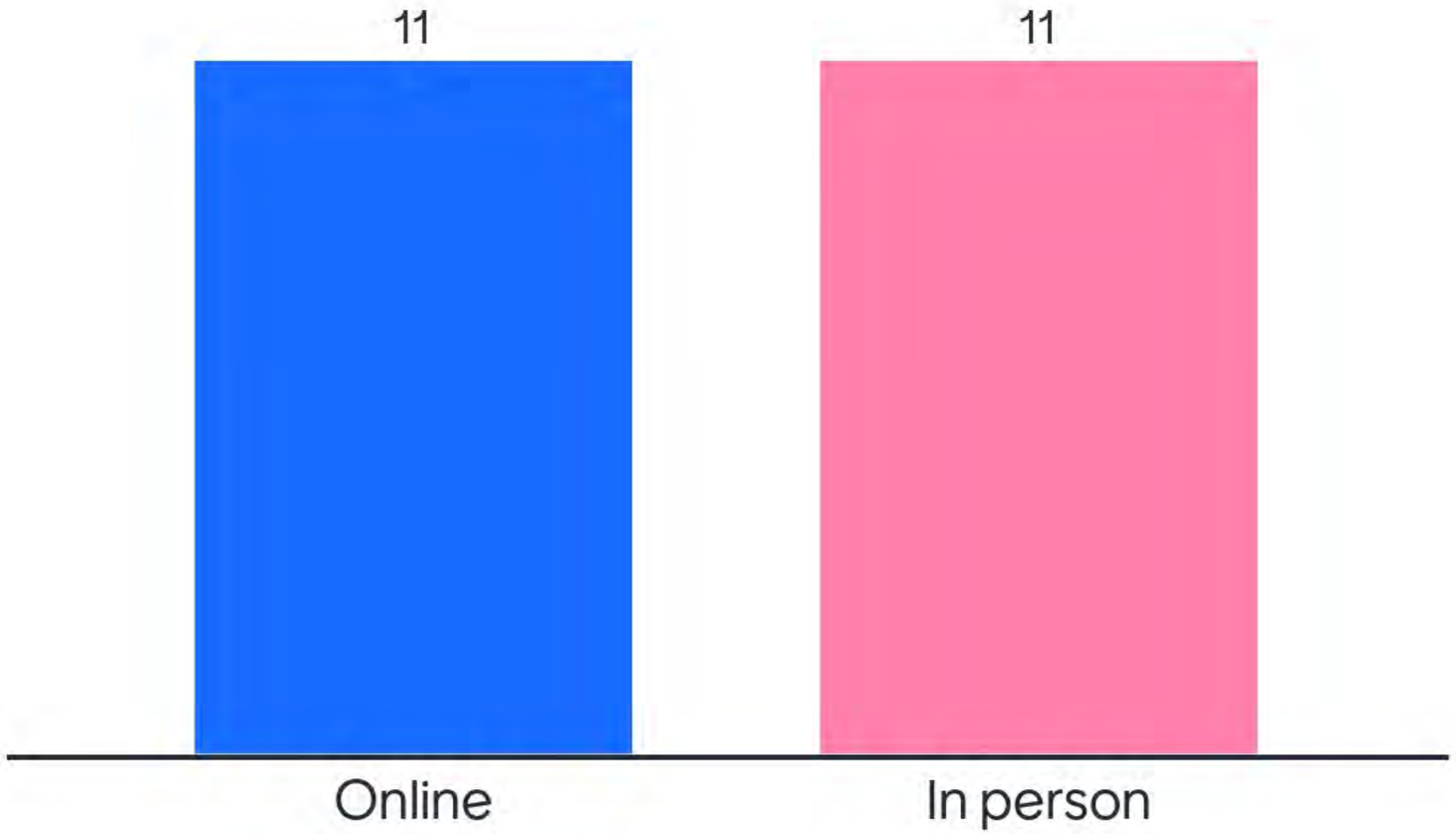
	4.3 Engaging with the Committee and Meeting Delivery • Engagement with the committee will respect the time, knowledge, and experiences of members, create space for collaborative and constructive dialogue, and be transparent in the use of input/feedback. • Meeting delivery will entail timely communication, the use of a range of engagement tools and techniques, reviews of action items and progress, and meeting notes that reflect the discussion. • Agendas, notes and meeting materials will be posted on the Metro Vancouver website. • Proposed agenda for next meeting: ○ Current solid waste management plan	Sandy Young, Metro Vancouver

	○ Update on plan development, including phase 1: guiding principles • Members completed a Mentimeter poll on preferred meeting format (online vs in person), ways to participate at meetings, and how to ensure meeting are collaborative and productive. See attachment 1 for the results.	
5.	**ACTION ITEMS AND NEXT STEPS**	
	1. Metro Vancouver staff will post the presentations and notes, including the Mentimeter poll results, on the Metro Vancouver website. **2.** Metro Vancouver staff will share the September 21 meeting agenda and any resource materials in advance of the meeting.	Sandy Young, Metro Vancouver
7.	**Adjournment** • Meeting was adjourned at 4:05 pm.	Chair
8.	**NEXT MEETING:** **Wednesday, September 21, 2022**	

Attachment: Mentimeter poll results – Engaging with the Committee and Meeting Delivery

Mentimeter

Would you prefer to participate in future committee meetings online or in person?



22

In what ways would you like to participate at meetings (breakout groups, plenary, guest presentations, etc.)?

Mentimeter



22

What can members and/or staff do to ensure meetings are collaborative and productive?

Mentimeter

provide background information ahead of time

Be Punctual

Enough time to discuss in person

Share Data

review agenda/minutes in advance

Ensure everyone has a voice

Supply us with questions prior to the meetings and have set objectives for meeting discussions

Materials in advance, summary of meeting afterwards

Running list of action items.

20

What can members and/or staff do to ensure meetings are collaborative and productive?

Mentimeter

Ensure that no one person or group of people are dominating conversations. Make sure we can hear from everyone

Keeping to time

Facilitation to ensure participation.

clear agenda, clear goals, providing information/slides in advance,

Action Items at end of meetings

Split in-person and online meetings can stifle participation. Ensure that we check if online participants have any comments.

Encourage participation

be open to different ideas

Min 2 weeks in advance of meeting to review any materials for the meeting

20

What can members and/or staff do to ensure meetings are collaborative and productive?

Mentimeter

Make sure we have pre-read material in advance. Make sure to send out calendar invites as early as possible to book time.

Provide info in advance, be on track with timing

-clear meeting agendas + general time limits per category (flexible but helps keep a guideline-resources sent well ahead of time-collaborative platforms for sharing resources

Time for discussion

Keep people on topic

prep info /agendas in advance; effective chairing with enough time for good discussion; follow up on action items

Shate information

Give us more time to read and prepare before meetings

Succinct meetings

20

What can members and/or staff do to ensure meetings are collaborative and productive?

Mentimeter

Properly framing this plan as more than just 10 years as these 10 years will not be reversible. We need to take a much longer view on key topics like GHG, and climate change.

Portal to share resources, articles, links, etc...

Assign responsibilities/Team owner

Really listen to the input

updates on our progress

20

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Regular Meeting

September 21, 2022
3:00 pm – 5:00 pm
Zoom Videoconference

A G E N D A

ITEM
1. INTRODUCTIONS
2. AGENDA
3. MEETING NOTES – June 30, 2022
4. ACTION/STANDING ITEMS **4.1 Action items from June 30 meeting** **4.2 Incoming/outgoing communication**
5. METRO VANCOUVER UPDATES
5.1 Regional Recycling and Waste System Overview Speaker: Paul Henderson, Metro Vancouver
5.2 Solid Waste and Recycling Data Speaker: Terry Fulton, Metro Vancouver
5.3 Zero Waste and Circular Economy Speaker: Chris Underwood, Metro Vancouver
5.4 Solid Waste Management Plan Planning and Engagement Update Speakers: Sarah Evanetz and Sandy Young, Metro Vancouver
6. MANAGER'S REPORT Speaker: Paul Henderson, Metro Vancouver

Attachment 1: Meeting notes – June 30 – Solid Waste Management Plan Public/Technical Advisory Committee

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Wednesday, September 21, 2022
Zoom Meeting
3:00 pm – 5:00 pm

Meeting Notes

Attendees: Director Jack Froese, Chair; Director Craig Hodge, Vice-Chair; Alice Henry, Ben Liegey, Bill Chan, Brianne De Man, Christian Dietrich, Cody Irwin, Doug Schell, Jake Turek, Jamie Kaminski, Jaye-Jay Berggren, John Doherty, Kevin Huang, Louise Schwarz, Love-Ese Chile, Lyndsay Poaps, Raman Johal, Sue Maxwell, Tara Immell, Ulwiana Mehta-Malhotra, William Selten.

Absent: Brenda Martens, Daniel Rotman, Grant Hankins, Hunter Bergen, Jessica Savoy, Mary Polak, Matthew Morin, Michael Zarbl, Sara Larter, Yasmin Abraham.

Metro Vancouver Staff: Brooke Atkinson, Chris Allan, Chris Chong, Chris Underwood, Jessica Yamamoto, Paul Henderson, Sandy Young, Sarah Evanetz, Terry Fulton, Zeenia Mizan.

1.	**INTRODUCTIONS** • Meeting started at 3:02 pm.	Chair
	1.1 Welcome from the Chair **1.2 Committee members**	Chair
2.	**AGENDA** • Reviewed the September 21, 2022 meeting agenda.	Chair
3.	**MEETING NOTES – June 30, 2022** • Reviewed the June 30, 2022 meeting notes.	Chair
4.	**ACTION/STANDING ITEMS**	Chair
	4.1 Action items from June 30 meeting • No updates from staff. **4.2 Incoming/outgoing communication** • No new communication.	

5.	**METRO VANCOUVER UPDATES**	
	5.1 Regional Recycling and Waste System Overview • The current solid waste management plan targets a 10% per capita reduction in waste generation from 2010 levels and an 80% recycling rate. • The region has achieved the 10% per capita reduction target, and is at a North American leading 64% recycling rate. • Metro Vancouver works with many partners to advance waste reduction and recycling, and advance the circular economy. • Metro Vancouver owns and operates six recycling and waste centres and a Waste-to-Energy Facility. City of Vancouver owns and operates the Vancouver Landfill and Vancouver South Transfer Station. • Two new recycling and waste centres opened this year; United Boulevard Recycling and Waste Centre in March, replacing the Coquitlam Recycling and Waste Centre, and Central Surrey Recycling and Waste Centre in September. These new facilities maximize recycling options for customers. • A range of private facilities in the region receive and process source separated recyclables including organics, along with construction and demolition waste. • The Waste-to-Energy Facility manages about 25% of the region's garbage, and the Waste-to-Energy Facility District Energy project will provide heat and hot water for 30,000 homes through an agreement with River District Energy. • Members were asked: What other information about the regional recycling and waste system would you like to know to be able to contribute on the committee? Members discussed: • The flow of waste through the region including points of generation and disposal, composition of waste generated, and related costs • Potential redundancies and vulnerabilities within the waste management system including areas of improvement for reuse efforts	Paul Henderson, Metro Vancouver
	5.2 Solid Waste and Recycling Data • Data is collected on waste generation, disposal and recycling, composition and source, and residuals, but does not include residual rates for recyclables processed internationally or Extended Producer Responsibility (EPR) recycling composition.	Terry Fulton, Metro Vancouver

	• Data is collected through facility scale data, waste composition studies, third-party private facilities, reuse and repair organizations, and municipalities; this informs progress of initiatives, alignment with goals, and potential future targets. • Data is available as waste composition studies and annual reports (available on the Metro Vancouver website), and shows that generation and disposal rates have been decreasing as recycling rates increase; however, progress has plateaued in recent years.	

	5.3 Zero Waste and Circular Economy
	• Circular economies value material regeneration, through reuse and recycling, over resource extraction, by eliminating waste, which requires community-based collaborations, research, policy, programs, infrastructure and education.
	• Examples include:
	  ○ Textile waste: Much infrastructure for sorting clothing exists in Metro Vancouver; everything can be donated and 25% of collected clothing is resold locally
	  ○ Construction and demolition waste: Toolkits for municipalities and private companies to reduce waste and explore adaptive reuse, deconstruction, etc.
	  ○ Networking: Metro Vancouver created the Regional Food Recovery Network and National Zero Waste Council to focus on waste prevention and creation of circular economies
		Chris Underwood, Metro Vancouver

	5.4 Solid Waste Management Plan Planning and Engagement Update
	• Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan (2011), and identifying opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.
	• Key milestones: Board initiated a review of the solid waste management plan in 2019, Independent Consultation and Engagement Panel formed in 2020, Pre-engagement in spring 2021, and Public/Technical Advisory Committee formed in June 2022.
	• The next phase of the plan, on vision and guiding principles, will seek to engage broad audiences using a variety of engagement techniques.
	• Members were asked (via Mentimeter):
	  ○ What jurisdictions or organizations should be looked to as part of the solid waste management planning literature review?
	  ○ How would you like to participate in Phase 1 engagement on the guiding principles and vision?
		Sarah Evanetz and Sandy Young, Metro Vancouver

	See attachment 2 for the results.	
6.	**MANAGER'S REPORT**	
	• The Zero Waste Conference occurs on September 28 and 29 with all Public/Technical Advisory Committee members invited. • Director Jack Froese will not be running for re-election as the Mayor of Langley Township meaning the Public/Technical Advisory Committee will receive a new chair and potentially new vice-chair. • Metro Vancouver offers support for Public/Technical Advisory members who may require financial assistance or otherwise. Any members with questions on opportunities for support should email zerowaste@metrovancouver.org.	Paul Henderson, Metro Vancouver
7.	**Adjournment** • Meeting was adjourned at 4:57 pm.	Chair
8.	**NEXT MEETING:** Meeting dates for 2023 will be set following the appointment of the Zero Waste Committee chair and vice-chair, who hold the same positions on the Public/Technical Advisory Committee.	

Attachment 1: Meeting Discussion and Chat Comments
Attachment 2: Mentimeter Poll Results

Attachment 1: Meeting Discussion and Chat Comments

Discussion points have been edited for conciseness and clarity. Responses have been provided for questions not addressed during the meeting due to time constraints. Some chat comments have been edited for clarity.

5.1 Regional Recycling and Waste System Overview

Following the presentation, members were asked: What other information about the regional recycling and waste system would you like to know to be able to contribute on the committee?

Discussion:

- **Waste-to-Energy**

  Q: I read a bit about the challenges with creating a new Waste-to-Energy Facility. What is important to know?

  - A: The 2011 Integrated Solid Waste and Resource Management Plan targeted reducing waste but also included creating new waste-to-energy capacity. A procurement process for new Waste-to-Energy was initiated but later terminated. Metro Vancouver's goal for this solid waste management plan update is to focus on waste reduction and recycling.

- **Material Flow**

  Q: We reduced waste generation rates by 11%. How was that achieved? Also, it would be helpful to know where materials go after going through local recycling facilities.

  - A: A range of factors affect waste generation. Metro Vancouver has a number of program that encourage behaviour change related to consumption/waste generation. Current data is limited with respect to ultimate destination of recyclable materials.

  Q: What gaps or redundancies exist in the material value chain, and what are the vulnerabilities in the Metro Vancouver solid waste system?

  - A: These topics will be important for discussion during the solid waste management plan update process. All of us see the benefits of increasing local capabilities to reduce waste and add value.

- **Calculating Recycling Rate**

  Q: Where materials are generated and where they're going is important to minimize distance travelled outside of region. Does recycling mean collection, or recovery and conversion? It's important to know if materials are just sent to the Waste-to-Energy Facility when looking at the 64%.

  - Metro Vancouver uses many sources of information to compile recycling statistics, some more complete than others. When counting the 64% recycling rate, garbage managed at the Waste-to-Energy Facility is not counted as recycling with the exception of metal recovered from the ash from the facility. Metro Vancouver strives to provide transparent data with respect to recycling calculations.

- **80% Recycling Rate Aspirational Goal**

  Q: Can you offer some reflection or insight on why we haven't reached the 80% reduction?

  - The 80% goal was extremely ambitious. Metro Vancouver is a North American leader in waste reduction and recycling. There continue to be opportunities to reduce waste and how we do that is a key opportunity for the new solid waste management plan. Half of multi-family waste is organics and there continues to be large quantities of wood disposed. Reuse is a whole additional layer to push more to reduce materials.

- **Drop-off Recycling Facilities**

  Q: How do city-owned recycling and waste centres affect future design if other cities have plans for facilities?

  - Metro Vancouver's strategy is to move to a model where every Metro Vancouver recycling and waste centre has consistent services that maximize recycling and reuse options. For cities that have their own recycling depot, Metro Vancouver has put in place a model that provides financial support for the city facilities. As part of that arrangement, the city provides minimum recycling services consistent with the Metro Vancouver system and allows customers from around the region to use their depots.

- **Waste Reduction Targets**

  Q: For food waste, do you have data by region, avoidable vs. unavoidable, etc.? What is the new goal for waste reduction?

  - Metro Vancouver's waste composition studies include a breakdown of food waste by what is avoidable and what is unavoidable. We report data for the region as a whole, broken up by sector, but not by municipality. Reporting by municipality would be challenging given how material flows around the region. Setting new targets for waste reduction will be a key action in developing a new plan.

- **Reuse**

  Q: I want to know about the waste hierarchy and next level uses of materials, and consider the end of a product's life vs. the end of the consumer's use of it. Could there be opportunities to put reuse facilities first before recycling?

  - A: Metro Vancouver has begun to pilot this approach. As an example, Metro Vancouver engaged a local non-profit organization, Urban Repurpose, to divert reusable items that would have been disposed of or sent for recycling at the North Shore Recycling and Waste Centre. In the first event in 2022, Urban Repurpose collected two tonnes of reusable material in four-and-a-half hours. The event included education on the waste management hierarchy and reuse and repair organizations in the region. The learnings from the pilot will help inform future work in this area.

  Q: How much resources does Metro Vancouver have to put toward reuse?

  - Encouraging reuse is a key priority for Metro Vancouver. Examples include the reuse days, repair café funding, and more. The allocation of resources will also be important in a new plan.

Chat Discussion:

- Q: I would like to get more data. Who picks up what and where does it go? Waste specs. Especially interested in waste that is landfilled. The more data the better.
  - A: Metro Vancouver doesn't have access to data on the specifics of waste collection; however, detail on where waste goes is included in the annual solid waste and recycling summary reports here.
- Q: Also interested in what facilities are planned to be built in the next few years (short term), if any. So we understand what Metro Vancouver is already doing.

  - A: Planned capital program expenditures are reported to the Zero Waste Committee and available publicly. The most recent update was on October 14, 2022, and can be accessed here.

- Q: Has any GHG emission calculation been done for the transport and disposal of all waste streams?
  - A: GHG emissions calculations are done when comparing potential transportation and disposal options and considered along with financial and technical information to determine which option to recommend.
- Q: What data is collected and how openly accessible is it? Are there standardized reports that are required for waste generators / processors?
  - A: Data on recycling, disposal, and composition is available in the annual solid waste and recycling summary reports here, and details on how it's collected were provided in the Solid Waste and Recycling Data presentation. Most data is recorded at the facility level, so there are no standardized reports for generators. Processors who are licensed under Solid Waste Regulatory Bylaw 181 provide information to Metro Vancouver's Environmental Regulation & Enforcement division, who then provide aggregated data for inclusion in the annual summary reports.
- Behaviour change was mentioned as a key component to success. Waste-to-energy doesn't seem to hit the mark when trying to reduce waste.
  - A: Metro Vancouver's behaviour change programs focus on encouraging residents and businesses to reduce waste.
- Q: How much material is being sent across the border? And is that material ending up in landfills? Does our accounting end at the border?
  - A: Metro Vancouver's annual report includes amounts of waste management out of region, either through Metro Vancouver's contingency disposal contracts or by private facilities shipping construction and demolition residuals to remote landfills. Information related to which landfill private facilities send construction and demolition waste residuals to is not available to solid waste staff.
- I may hope accounting doesn't end at the border. Waste generator is responsible until the end of the cycle. But, indeed, good question. Transport is a super important part of the waste cycle.
- Q: Are there any plans to tackle the increased usage of 'compostable' plastics? It is to my understanding that compostable plastics cannot be processed in our current waste/recycling streams.
  - A: Plastics labeled as compostable are a cross-jurisdictional issue that is being discussed at all levels of government. Most Metro Vancouver municipalities do not accept compostable plastic in their green bin programs, and we have updated our website to reflect that.
  - Response from committee member in chat: I can shed some light on the earlier question as I have done trials on compostable plastics. I think there are indeed bad compostable plastics, but I also believe there is usage for it, as long as they are properly tested. BNQ is changing their standard now reducing compostability for compostable plastics from 100 to <45 days. I think that will be a good improvement.
- Vancouver Community Bike Shop Network (VCBN) did a pilot as part of Vancouver's Greenest City Grant program to create the Recycling Program, which removed bikes from the facilities to either properly

recycle them or restore them. I'm not sure if this program has continued. Knowing about programs like that, their success, and their viability to scale would be great information to have for this committee as well.

5.2 Solid Waste and Recycling Data

Chat Discussion:

- Please keep the focus on expanding and supporting reuse networks that includes repair and refurbishment. EPR will always be the main go to for recycling but we need to make sure they are not undermining or competing against the most valuable and ever growing reuse markets, which includes refill. On the bottom end of the Zero Waste Hierarchy, if we can take waste-to-energy out of the conversation and the plan, that would also free up a lot of resources, both time spent arguing why it is not a helpful solution, as well as funds. That would be a huge leap forward in progress.
- My concern is the Vancouver Landfill is due to be full/close in 2030 – 2032 (less than 10 years). They also have a zero waste to landfill policy for 2040. The Waste-to-Energy Facility is aging, at 34 years old. Those two sites probably process over 50% of the material generated in the region (minus C&D and organics). These facilities/sites take years to permit/develop so it worries me when there is no plan other than reduction.
- Q: What is the limit for residential waste reduction? What are the barriers to further reduction?
    - A: Many barriers we face in increasing residential waste reduction are the result of products themselves that have no other option than disposal. Focusing on waste reduction and solid waste management options that help the transition to a circular economy will position us to further decrease residential waste reduction beyond what we may believe the limit is today.

5.3 Zero Waste and Circular Economy

Discussion:

- **Focus of the Committee**

  Q: I'm wondering whether we as a committee will be focusing on reuse or just on disposal?

    - The Public/Technical Advisory Committee is providing advice on all elements of the solid waste management plan, and its focus on reusing, reducing and recycling. The goal is to advance waste reduction, recycling, and the circular economy.

Chat Discussion:

- Other metrics that would be useful are tonnes exported (from Metro Vancouver but not by Metro Vancouver). For the Waste-to-Energy Facility – total emissions of annual dioxin/furans, heavy metals, NOx, SOx, as well as total time running and % of time spent in start up, shut down and malfunction.
    - A: An annual Waste-to-Energy Facility environmental monitoring and reporting update provides information on the facility emissions. Read the 2021 update that went to the Zero Waste Committee on September 9, 2022, here.

5.4 Solid Waste Management Plan Planning and Engagement Update

Following the presentation, members were asked (via Mentimeter):

- What jurisdictions or organizations should be looked to as part of the solid waste management planning literature review?
- How would you like to participate in Phase 1 engagement on the guiding principles and vision?

See attachment 2 for the results.

Chat Discussion:

- BC Forestry industry (to promote wood reuse)
- I appreciate how clear the presentations have been on the topics in scope. If any of us have mentioned points that might be considered out of scope, it would also be helpful to know what those might be (for instance, I'm assuming there might be limitations around how EPR might be addressed).

Mentimeter

What jurisdictions or organizations should be looked to as part of the solid waste management planning literature review?

- Amsterdam
- Europe, Germany
- Montreal (in terms of how the public sector has supported circular economy)
- EU Circular bioeconomy policies, specifically around cascading use of organic waste
- Academic institutions
- organics waste ban scotland
- Portland, OR
- Denmark's work on the circular economy
- Europe

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What jurisdictions or organizations should be looked to as part of the solid waste management planning literature review?

Mentimeter

King County -wood hierarchy and map for circularity businesses for wood

Calfonia oganics policies

Waste generators

Vancouver Food Policy Council m The PLEDGE on Food Waste, EcoMeter, Too Good To Go, Vancouver Food Runners, Rethink2gether

Portlland -mapping reuse/repair/refill

Schools (age up to 18)

Germany, Amsterdam, London

Consumption based emissions - Scotland/King County/Victoria/city of Vancouver

generally organizations that have been successful in reducing waste created

16

What jurisdictions or organizations should be looked to as part of the solid waste management planning literature review?

Mentimeter

- Capannori
- UKRI GBP 22.5M government investment into reuse
- End users of recycled and upcycled materials
- Global Alliance of Waste-Pickers (Global Rec)
- Toronto
- Examples of leading rural jurisdictions
- Zero Waste Grocery Businesses in Vancouver
- ISO circular economy standards are in development
- Reuse and repair organizations

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What jurisdictions or organizations should be looked to as part of the solid waste management planning literature review?

Mentimeter

BNQ

Nanaimo -CE and Doughnut economics

Five centres in the UK to receive funding for circularity

IZWTAG (Indigenous Zero Waste Technical Advisory Group)

Kamikatsu, Japan

Cariboo Regional District self-serve re-use locations

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How would you like to participate in Phase 1 engagement on the guiding principles and vision?

Mentimeter

Working groups in person

Brainstorming ideas

in-person workshops - its easy to get distracted and loose focus in virtual settings

Specific waste stream focus groups

In person workshops, perhaps rotating to make more accessible to different geographic locations

In person workshops by type of waste streams

Base it on existing accepted definitions _Zero Waste Hierarchy for ZW principles, Ellen Macarthur Foundation for CE principles, Doughnut economics to ensure social impacts addressed

workshop for panel members but surveys/webinars for rest of our community

participating in committees

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How would you like to participate in Phase 1 engagement on the guiding principles and vision?

Mentimeter

- echoing specifc waste stream focus
- specialists involvement in groups
- In-person workshops
- after learning more, being critical of current policies
- How to encourage Industrial symbiosis
- Online workshop groups
- Groups with experts in those specific areas
- Submitting existing resources and programs in the region for review
- visits to interesting places (like the incinerator)

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How would you like to participate in Phase 1 engagement on the guiding principles and vision?

Mentimeter

events that rest of community can attend to learn about waste - to find more people passionate about climate action

connecting circular economy with bioeconomy to address overlaps and gaps and encourage transition to plant and waste based products

Tours, if possible, of waste management / circular innovators in different geographic areas and/or sectors

Retreats on the gulf island :)

In person workshops by commodity/sector

Love the tour of the waste-to-energy facility idea

break out groups tackling a particular aspect with an expert involved in the relate break out group discussion

Engage industry early, and also organizations such as Business Improvement Associations .

Focused committee participation

16

How would you like to participate in Phase 1 engagement on the guiding principles and vision?

Mentimeter

cross pollination between waste types would also be helpful, there may be ideas that people haven't thought of

Facility Tours

Would definitely like to see groups of mixed expertise discuss a variety of questions

opportunities to take tangible action

human centred design!

For in-person meetings, bring in actual samples of waste put into different streams

relating this to our respective professions and applyinv what learn to lead our own workshops / educate others (and inspire subsequent action !)

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Regular Meeting

April 28, 2023
3:00 pm – 5:30 pm
Eaglequest Golf, Banquet Hall
1001 United Boulevard, Coquitlam, BC

A G E N D A

ITEM
1. INTRODUCTIONS
2. AGENDA
3. MEETING NOTES – September 21, 2022
4. ACTION/STANDING ITEMS **4.1 Action tracker** **4.2 Incoming/outgoing communications**
5. METRO VANCOUVER UPDATES
5.1 2023 Annual Work Plan - DRAFT Speaker: Stephanie Liu
5.2 Solid Waste Management Plan Vision and Guiding Principles - Workshop Speakers: Paul Henderson, Stephanie Liu, Brooke Atkinson, Metro Vancouver
6. OTHER BUSINESS
6.1 Zero Waste Committee Updates Speaker: Paul Henderson, Metro Vancouver 2021 Solid Waste Management Annual Summary
7. INFORMATION ITEMS
7.1 Regional Waste Flows

Attachment 1: Meeting notes – September 21 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: PTAC 2023 Draft Annual Work Plan

Attachment 4: Solid Waste Management Plan Backgrounder

Attachment 5: Vision and Guiding Principles Discussion Guide

Attachment 6: Regional Waste Flows

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Friday, April 28, 2023
Zoom Meeting
3:00 pm – 5:00 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Ben Liegey, Bill Chan, Brenda Martens, Brianne De Man, Cody Irwin, Daniel Rotman, Doug Schell, Grant Hankins, Jamie Kaminski, Louise Schwarz, Love-Ese Chile, Lyndsay Poaps, Raman Johal, Sue Maxwell, Tara Immell, Ulwiana Mehta-Malhotra, William Selten, Yasmin Abraham.

Absent: Alice Henry, Christian Dietrich, Hunter Bergen, Jake Turek, Jaye-Jay Berggren, Jessica Savoy, John Doherty, Kevin Huang, Mary Polak, Matthew Morin, Michael Zarbl, Sara Larter.

Metro Vancouver Staff: Brooke Atkinson, Chris Allan, Chris Chong, Jessica Yamamoto, Karen Storry, Mani Massah, Paul Henderson, Terry Fulton, Zeenia Mizan, Stephanie Liu.

1.	**INTRODUCTIONS** • Meeting started at 3:07 pm.	Chair
	1.1 Welcome from the Chair **1.2 Committee members**	Chair
2.	**AGENDA** • Reviewed the April 28, 2023 meeting agenda.	Chair
3.	**MEETING NOTES – June 30, 2022** • Reviewed the September 21, 2022 meeting notes.	Chair
4.	**ACTION/STANDING ITEMS**	Chair
	4.1 Action items from September 21 meeting • No updates from staff. **4.2 Incoming/outgoing communication** • No new communication.	

5.	**METRO VANCOUVER UPDATES**	
	5.1 2023 Annual Work Plan - DRAFT • The draft 2023 work plan for the Public/Technical Advisory Committee was presented and members were provided an opportunity to comment.	Stephanie Liu, Metro Vancouver
	5.2 Solid Waste Management Plan Vision and Guiding Principles - Workshop • The committee received an overview presentation on the regional recycling and waste system, and a presentation on the approach to discussing vision and guiding principles for the solid waste management plan update. • Four key questions were discussed by committee members, including small group and large group discussions: 1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future? 2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed. 3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered? 4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today? • A summary of the feedback received during the workshop is attached.	Paul Henderson, Stephanie Liu, Brooke Atkinson, Metro Vancouver
6.	**OTHER BUSINESS**	
	6.1 Zero Waste Committee Updates • The April 13, 2023 Zero Waste Committee meeting included a joint discussion with the Climate Action Committee on vision and guiding principles for the solid waste management plan update. • The 2021 Solid Waste and Recycling Annual Report has been published, reporting a 65% recycling rate in the region • Other items include a capital expenditure report and procurement update	Paul Henderson, Metro Vancouver

	Discussion: • Members expressed interest in receiving more information on how we measure progress towards goals for recycling • Members also expressed interest in seeing reuse as a metric	
7.	**Adjournment** • Meeting was adjourned at 4:57 pm.	Chair
8.	**NEXT MEETING: June 1, 2023**	

Attachment 1: Workshop Summary – Solid Waste Management Plan Update Vision and Guiding Principles

SOLID WASTE MANAGEMENT UPDATE VISION AND GUIDING PRINCIPLES

Solid Waste Management Plan Public/Technical Advisory Committees Workshop

April 28, 2023

On April 28, 2023, Metro Vancouver held a workshop with members of the Solid Waste Management Plan Public/Technical Advisory Committee (PTAC) to discuss vision and guiding principles for the updated regional solid waste management plan. There were 20 of 32 PTAC members present as well as one observer.



The vision and guiding principles phase of engagement sets the foundation and direction for the plan development process, by gathering feedback on values, priorities, interests, and key solid waste management considerations now and into the future.

At the April 28, 2023 PTAC workshop, four key questions were presented to members:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

A summary of themes that emerged at the workshop is presented in the What We Heard section below. Note that the feedback presented here is meant to highlight key themes from the discussion. Detailed discussion notes are being retained as part of the full engagement record, and individual comments will be included in feedback logs as part of an engagement report at the end of this phase on vision and guiding principles.

Next steps include providing an update report to the Zero Waste Committee on what we have heard so far through engagement with First Nations, member jurisdiction staff, and advisory committees, followed by the launch of public engagement on vision and guiding principles. Following public engagement, Metro Vancouver will produce an engagement summary report for this phase of engagement and provide a draft vision statement and guiding principles to the Zero Waste Committee and Board for consideration.

Members are encouraged to submit any additional feedback to zerowaste@metrovancouver.org before May 31, 2023.

WHAT WE HEARD

The table below summarizes themes that emerged through the discussion, which will be taken into consideration as Metro Vancouver continues to engage on the vision and guiding principles for the updated plan.

Priority	What We Heard
Accessibility and inclusivity	• Enable easy, cheaper and local access to services. Support people to meet them where they are so they can have access.
Accountability	• Improve metrics to report on reuse, repair and diversion, and waste generation (including food) to enable us to reach bold goals. • Regularly set targets and share data publicly. • Recognize the shared responsibility of individuals and industry.
Affordability	• Understand and provide solutions to how affordability influences a person's ability to purchase durable goods that last, access reuse markets, and travel to recycling facilities. Suggest making poor quality materials more expensive to disincentive their use, for example by incorporating costs related to environmental/health risks and clean-up. • Incentivize prevention over diversion over disposal.
Circular economy	• Start at the top of the zero waste hierarchy; increase reuse, repair, and remanufacture. • Create longer lasting products that are valued. • Design closed loop systems and encourage highest and best use of a product. • Facilitate development of infrastructure to support circular economy industries. • Build the circular economy to create jobs.
Climate action	• Advance current greenhouse gas reduction targets that align with sustainable development goals, to achieve climate goals. • Consider carbon footprint from production, extraction, and distribution. • Include food as integral to climate action plans. • Reduce dependency on disposal, including incineration, by increasing focus on waste prevention, reduction and diversion. • Improve system resiliency to climate change impacts.
Collaboration	• Collaborate with all levels of government, private businesses, and industry. • Engage with and foster a sense of community.
Convenience, consistency, simplicity	• Increase convenience and harmonize services across the region, and across sectors. Reduce complexity to combat decision fatigue.

Cultural sensitivity and respect	• Recognize cultural pressures or norms about consumption that impact actions related to waste.
Education and behavior change	• Provide clear communications to help increase understanding of the waste being created, and build public trust about recycling systems including end markets. • Increase transparency and awareness about the waste system, especially among younger populations. • Shift cultural norms to make waste prevention and recycling relevant, including using enjoyment/fun as tools to motivate collective action.
Environmental stewardship	• Review global climate footprint, biodiversity, sustainable development, and impact on people. • Acknowledge the importance and value of keeping the land healthy and regenerative. • Minimize discharges to the environment. • Minimize health, environmental, and financial risks using the precautionary principle.
Equity	• Make waste solutions accessible for modest/low income groups. • Increase equity by simplifying language, providing recycling services in all languages, and recognizing that not everyone has background of being zero waste expert. • Empower those who are marginalized. • Consider those who are food insecure; acknowledge those who are not aware of recycling or have limited access to education. • Consider the doughnut economic model to live within our planetary means while ensuring no one falls short on life's essentials
Innovation	• Advance the waste prevention, reuse, and repair economies, as well as technological innovations and habit innovations. • Provide options for reuse, repair and recycling that are easier than disposal. • Introduce alternative, more sustainable products and consider subsidizing these options to reduce the financial barrier.
Regulation	• Develop and strengthen a regulatory framework that encourages innovation and waste prevention, includes food waste reporting, removes barriers to recycling, and has the flexibility to respond to change.



Public/Technical Advisory Committee Workshop activity: "What waste reduction, recycling and garbage disposal topics are most important, now and into the future?"

WORKSHOP ATTENDEES:

Director Sarah Kirby-Yung, Chair
Director Craig Hodge, Vice-Chair
Ben Liegey
Bill Chan
Brenda Martens
Brianne De Man
Cody Irwin
Daniel Rotman
Doug Schell
Grant Hankins
Jamie Kaminski
Louise Schwarz
Love-Ese Chile
Lyndsay Poaps
Raman Johal
Sue Maxwell
Tara Immell
Ulwiana Mehta-Malhotra
William Selten
Yasmin Abraham

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Regular Meeting

June 1, 2023
3:00 pm – 5:30 pm
Online via Zoom

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING NOTES – April 28, 2023
4. ACTION/STANDING ITEMS **4.1 Action tracker** **4.2 Incoming/outgoing communication**
5. METRO VANCOUVER UPDATES
5.1 Vision and Guiding Principles Engagement Update Speaker: Stephanie Liu, Metro Vancouver
5.2 Circular Economy and 3Rs Study Speaker: Karen Storry, Metro Vancouver
5.3 Performance Metrics Review Speaker: Jessica Yamamoto and Terry Fulton, Metro Vancouver
5.4 2022 Waste Composition Program Results Speaker: Terry Fulton, Metro Vancouver
6. OTHER BUSINESS
6.1 Zero Waste Committee Updates Speaker: Paul Henderson, Metro Vancouver
6.2 Invited Presentations at Future meetings
6.3 Collaborative Engagement

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 Public/Technical Advisory Committee 2023 Work Plan

Attachment 1: Meeting notes – April 28 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Regional Waste Flows

Attachment 4: PTAC 2023 Draft Annual Work Plan

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Wednesday, June 1, 2023
Zoom Meeting
3:00 pm – 5:30 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung, Chair; Alice Henry, Ben Liegey, Bill Chan, Brenda Martens, Brianne De Man, Christian Dietrich, Cody Irwin, Daniel Rotman, Doug Schell, Grant Hankins, Jake Turek, Jamie Kaminski, John Doherty, Kevin Huang, Louise Schwarz, Love-Ese Chile, Lyndsay Poaps, Michael Zarbl, Raman Johal, Sara Larter, Sue Maxwell, William Selten.

Absent: Director Craig Hodge, Vice-Chair; Hunter Bergen, Jaye-Jay Berggren, Jessica Savoy, Mary Polak, Matthew Morin, Tara Immell, Ulwiana Mehta-Malhotra, Yasmin Abraham.

Metro Vancouver Staff: Paul Henderson, Chris Allan, Chris Underwood, Jessica Yamamoto, Karen Storry, Mani Massah, Nanette van Doorne, Samantha Joy, Stephanie Liu, Terry Fulton, Zeenia Mizan.

1.	**INTRODUCTIONS** • Meeting started at 3:03 pm.	Chair
	1.1 Welcome from the Chair **1.2 Committee members**	Chair
2.	**AGENDA** • Reviewed the June 1, 2023 meeting agenda.	Chair
3.	**MEETING NOTES – April 28, 2023** • Reviewed the April 28, 2023 meeting notes. • Members discussed additional themes from the April 28th workshop that should be considered for inclusion in the Workshop Summary.	Chair
4.	**ACTION/STANDING ITEMS**	Chair
	4.1 Action items from April 28 meeting • No updates from staff. **4.2 Incoming/outgoing communication** • No new communication.	

5.	**METRO VANCOUVER UPDATES**	
	5.1 Vision and Guiding Principles Engagement Update • Pre-engagement was completed in 2021 and we are now in the vision and guiding principles phase of engagement. • A series of workshops and meetings have been held with First Nations, member jurisdictions, and advisory committees. • Reviewed themes from the April 28, 2023 PTAC Workshop on vision and guiding principles. • The next step is an update to Zero Waste Committee on feedback received to date, and launch public engagement later this year. • PTAC members may submit additional feedback on solid waste management plan vision and guiding principles to zerowaste@metrovancouver.org Members discussed: • Metro Vancouver will share the draft vision and guiding principles with PTAC prior to submitting to the Zero Waste Committee and Board for consideration. Action Items: • Metro Vancouver will send PTAC members information on the Collaborative Engagement opportunity	Stephanie Liu, Metro Vancouver
	5.2 Circular Economy and 3Rs Study • The objective of this study is to identify local and global initiatives that will help spark circular economy ideas for the idea generation phase of the solid waste management plan update. • More detail from the study will be provided during the idea generation phase of engagement. • The model developed in this study includes an evaluation of over 70 initiatives, and some examples include FoodMesh, Unbuilders, FABCYCLE, Advanced Clothing Solutions, Votechnik and the Reparatur- und Service-Zentrum, which span various industries including food waste, deconstruction, textiles and electronics repair. • The evaluation criteria for these case studies include measurable indicators like greenhouse gas emission reductions, jobs and economic growth, waste disposal reduction, waste diversion potential, as well as qualitative indicators including social, resiliency, biodiversity and ecological health impacts. • There is opportunity to help us make further refinements to the evaluation criteria as we go through the engagement process and conduct a performance metrics study. • The next steps include refining the assumptions and data, preparing the case studies in a more user-friendly format, and working with the committee to identify potential “quick wins”.	Karen Storry, Metro Vancouver

	Members discussed: • Support for emphasizing reuse and repair actions in the study, and for including greenhouse gas emissions and embodied carbon as evaluation criteria. • Funding for many initiatives in the study are from collaboration between private and public sectors. For example, in the case of the washer and dryer repair service, the European Union has established a Repair Bonus campaign which provides a discount on repair services. Members discussed potential future ideas including: o Pros and cons of different agencies and models implementing repair for product such as appliances. o Creating disincentives for companies that produce poor quality items with short lifespans. o Reusing or salvaging parts from appliances sent for recycling, providing employment and other benefits. Action Items: • PTAC members are welcome to send ideas for circular economy case studies to review to zerowaste@metrovancouver.org	
	5.3 Performance Metrics Review • The purpose of the Performance Metrics Review is to provide an understanding of potential metrics and targets that may be incorporated into an updated solid waste management plan. It will build on the metrics developed for the Circular Economy and 3Rs Study, consider new approaches to measure performance, and will take into account a broad range of interests including waste reduction and recycling, circular economy, emission reductions, economic benefits, and equity. • Metro Vancouver has retained Morrison Hershfield to help complete this study, and their tasks include reviewing Metro Vancouver's existing solid waste performance metrics and targets, completing a jurisdictional review of a broad range of metrics and targets, and developing a list of potential performance metrics and targets to be considered for an updated solid waste management plan. Action Items: • A more detailed draft scope of work will be brought to PTAC at a later meeting for feedback.	Jessica Yamamoto and Terry Fulton, Metro Vancouver
	5.4 2022 Waste Composition Program Results • The largest categories of waste are compostable organics, plastics, paper and non-compostable organics. The report also includes 171 subcategories across four sectors. • The data shows that the number of single use items per capita have increased in 2022, potentially due to recent trends like mobile ordering and	Terry Fulton, Metro Vancouver

	food delivery. However, retail bags and straws have decreased, potentially due to recent government actions and policies. • Next steps include developing resources for businesses on reducing single-use items, supporting workplaces to implement reusable cup and container programs, working with non-profits to raise awareness of single-use item problems, and continuing to monitor our waste. Members discussed: • Clarification that the annual report does include total waste generation and recycling data. • Concerns that waste generated in construction projects are higher than what goes to regional facilities. Metro Vancouver responded that the construction and demolition waste data is obtained from licensed facilities reporting, and these facilities handle the majority of demolition materials. Demolition waste that is transported directly to facilities outside of the region will not be included in regional statistics. • Members commended the level of detail in the Waste Composition Studies but noted that the reports may be too technical for the average person. The Performance Metrics Review will further investigate increasing the transparency and accessibility of the data. • Ideas for future waste composition studies included: o Looking at items disposed that may be reused or repaired o Cross referencing study results and changes over time with waste reduction and recycling policies (e.g. organics disposal ban) • The data shows an increase in food packaging, and Metro Vancouver is planning to develop a sustainable food packaging guide for businesses. • Request to share supporting documentation like the Waste Composition Study in the agenda ahead of future PTAC meetings. Action Items: • Metro Vancouver report back on development of a sustainable take-out food packaging guide	
6.	**OTHER BUSINESS**	
	6.1 Zero Waste Committee Updates • Paul Henderson provided an update on the agenda items from the May 23, 2023 Zero Waste Committee meeting, including: o Solid Waste Management Plan Independent Consultation and Engagement Panel, who can be introduced to the PTAC at a later date. o 2022 Waste Composition Data. o Extended Producer Responsibility in British Columbia o 2023 Food Scraps Recycling "Food Scraps Aren't Garbage" Results.	Paul Henderson, Metro Vancouver

	○ Manager's Report, which included an update on the Bylaw Notice Authority for GVS&DD and GVWD, allowing for administrative penalties and ticketing ability. Action Items: • Solid Waste Management Plan Independent Consultation and Engagement Panel will be invited to attend a future PTAC meeting	
	6.2 Invited Presentations at Future Meetings • Committee members are invited to provide presentation ideas from subject matter experts for future meetings. • Members suggested the following potential presenters and topics: ○ Binners' Project programs. ○ Lighthouse investigation of waste composition leaving construction sites from the generation side. ○ Community based social marketing (potential speaker Professor Doug Mackenzie Mohr). ○ ReFED presentation on data and insights (potential speaker Dana Gunders). ○ Impacts and management of waste during natural disasters (potential speaker Cameron Baughen). ○ Zero Waste BC agenda, the provincial circular economy strategy and costs for various disposal options. ○ Latest technologies of backend sorting material recovery facilities. ○ Waste-to-Energy (potential speaker Mike Ewall). ○ Opportunities for recycling, particularly organics (markets, pick-up options, processing, separation from waste, end-use) Action Items: • Members are welcome to provide additional ideas for invited presentations at future meetings, by emailing zerowaste@metrovancouver.org	Chair
	6.3 Collaborative Engagement • Request for Information (RFI) to invite and provide funding (up to $5,000 per organization) to non-profit organizations to engage their networks on a vision and guiding principles for an updated solid waste management plan. • The goal is to hear from community members who otherwise may not be aware of opportunities to provide input to Metro Vancouver. Action Items: • Metro Vancouver will send details on the process and eligibility to PTAC members. PTAC members are welcome to forward the information to organizations that may be eligible and interested.	Stephanie Liu, Metro Vancouver

7.	**ADJOURNMENT** • Meeting was adjourned at 4:36 pm.	Chair
8.	**NEXT MEETING** • September 7, 2023 (in person at Metro Vancouver Head Office).	

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Regular Meeting

November 16, 2023
3:00 pm – 5:30 pm
Online meeting
Zoom teleconference

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING NOTES – September 7, 2023
4. ACTION/STANDING ITEMS **4.1 Action tracker** **4.2 Incoming/outgoing communication**
5. METRO VANCOUVER UPDATES
5.1 Solid Waste Management Plan Update – Vision and Guiding Principles Engagement and Next Steps Speaker: Stephanie Liu, Program Manager, Metro Vancouver
5.2 Sustainable Foodservice Purchasing Guide Speakers: Karen Storry, Senior Engineer, Metro Vancouver Lyndsay Poaps, Executive Director, Recycling Council of British Columbia Single-Use Item Regulations | Metro Vancouver
6. OTHER BUSINESS
6.1 Zero Waste Committee Updates Speaker: Paul Henderson, Metro Vancouver Zero Waste Committee Agenda Package, November 9, 2023 (metrovancouver.org)
6.2 Member Discussion on PTAC Meeting Involvement for 2024 Speaker: Director Kirby-Yung, Chair
6.3 2024 Meeting Planning

Speaker: Director Kirby-Yung, Chair
6.4 Zero Waste Conference 2023 Debrief Speaker: Director Kirby-Yung, Chair
7. INFORMATION ITEMS
7.1 Regional Waste Flows October **7.2 Public/Technical Advisory Committee 2023 Draft Annual Work Plan** **7.3 Metro Vancouver Regional District Board Report – External Agency Status Report for the Solid Waste Management Plan Public/Technical Advisory Committee** **7.4 Metro Vancouver Regional District Board Report – External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee** **7.5 Metro Vancouver Regional District Board Report – External Agency Status Report for the National Zero Waste Council** **7.6 Performance Metrics Review Scope of Work**

Attachment 1: Meeting notes – September 7 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Regional Waste Flows October

Attachment 4: PTAC 2023 Draft Annual Work Plan
Attachment 5: Metro Vancouver Regional District Board Report dated October 6, 2023, titled "External Agency Status Report for Solid Waste Management Plan Public/Technical Advisory Committee"
Attachment 6: Metro Vancouver Regional District Board Report dated October 6, 2023, titled "External Agency Status Report for Solid Waste and Recycling Industry Advisory Committee"
Attachment 7: Metro Vancouver Regional District Board Report dated September 15, 2023, titled "External Agency Status for the National Zero Waste Committee"
Attachment 8: Performance Metrics Review Scope of Work

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Thursday, November 16, 2023
Zoom Meeting
3:00 pm – 5:30 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Alice Henry, Ben Liegey, Bill Chan, Brianne De Man, Cody Irwin, Daniel Rotman, Doug Schell, Grant Hankins, Hunter Bergen, Jaye-Jay Berggren, John Doherty, Kevin Huang, Lori Bryan, Louise Schwarz, Love-Ese Chile, Lyndsay Poaps, Michael Zarbl, Raman Johal, Sue Maxwell, Ulwiana Mehta-Malhotra, Tara Immell, William Selten.

Absent: Brenda Martens, Christian Dietrich, Jake Turek, Jamie Kaminski, Jessica Savoy, Matthew Morin, Sara Larter, Yasmin Abraham.

Metro Vancouver Staff: Paul Henderson, Chris Allan, Karen Storry, Nanette van Doorn, Samantha Joy, Stephanie Liu, Terry Fulton, Brooke Atkinson

1.	**INTRODUCTIONS** • Meeting started at 3:02pm	Chair
	Welcome from the Chair • Director Kirby-Yung expressed gratitude for the attendees' commitment. • Welcomed Lori Bryan, the newly elected Co-chair of the Solid Waste and Recycling Industry Advisory Committee, introducing her extensive background in the solid waste industry. The elected Co-chair of the Industry Advisory Committee is automatically a member of the Public/Technical Advisory Committee.	Chair
2.	**AGENDA** • Reviewed the November 16, 2023 meeting agenda.	Chair
3.	**MEETING NOTES – September 7, 2023** • Reviewed the September 7, 2023 meeting notes.	Chair
4.	**ACTION/STANDING ITEMS**	Chair
	4.1 Action tracker **Action items from previous meetings:**	

	• Performance metrics review scope of work was provided as an information item to the committee in the agenda package for today's meeting and staff will be reporting back on the results of the study once completed in 2024. • Sustainable food service packaging guide to be presented to the committee at today's meeting by Karen Storry. • The action item to 'Create a lessons learned repository on the repair and reuse initiatives that Metro Vancouver has conducted to date and share with the Public/Technical Advisory Committee, will be rolled over to 2024 and staff will update the committee when it has been drafted. **4.2 Incoming/outgoing communication** • No incoming/outgoing communication was shared by members	
5.	**METRO VANCOUVER UPDATES**	
	5.1 Solid Waste Management Plan Update – Vision and Guiding Principles Engagement and Next Steps • A status update on public engagement was provided, including an overview of the engagement program and activities, and how many people participated in engagement. • On December 1 there is an opportunity to present to the Independent Consultation and Engagement Panel – members can still sign up to participate. • Next steps for this phase of the plan update are to develop the engagement summary report, and provide a draft vision statement and guiding principles to First Nations, member jurisdictions, the Public/Technical Advisory Committee, and Industry Advisory Committee for comment, prior to presenting them to the Zero Waste Committee and Board for consideration.	Stephanie Liu, Metro Vancouver
	5.2 Sustainable Foodservice Purchasing Guide • An update was provided on the tools that Metro Vancouver has been working on for a sustainable foodservice purchasing guide. • The sustainable foodservice packaging guide and a summary of federal and provincial single-use items regulations was provided to members in the agenda package. • Past waste composition studies indicate that almost 500 single use items per person per year are disposed (2022). • Provincial regulations for single-use items are in effect starting December 2023. • Work is being done to educate small businesses to know which items are compliant to regulations. • Recycling Council of BC (RCBC) talked about collaborative next steps with Metro Vancouver including the Single Use Plastics Alternative Guide. • Phase 1 of this project will include the review of available tools and suggest improvements based on interviews with leading jurisdictions and feedback from targeted businesses. Phase 2, planned for 2024, will include developing	Karen Storry, Metro Vancouver Lyndsay Poaps, Recycling Council of BC

	additional tools and resources to help target businesses adopt the most sustainable, low-waste food service ware practical. Action Items: • Members to email Karen Storry at Karen.storry@metrovancouver.org with questions or comments. Members discussed: • If Metro Vancouver has direct regulation authority over composting and waste stations in malls. Metro Vancouver responded that it does not have direct authority over this and Metro Vancouver's regulatory authority related to encouraging recycling by generators is primarily through disposal bans at regional solid waste facilities (Recycling and Waste Centres along with the Waste-to-Energy Facility). • If Metro Vancouver can come up with a model bylaw for the member municipalities that would require 3 stream material management. Metro Vancouver's response is that it is working on designing a pilot that will encourage customers to maximize recycling through disposal ban surcharge waivers where haulers or recycling facility operators demonstrate they are taking all reasonable actions to encourage recycling. • What communication efforts are there to educate businesses on compostable plastics and how can it be enforced effectively. Metro Vancouver addressed the question that the Province is working hard on communication, and there's a single-use item reduction tool kit to help businesses. Metro Vancouver is also working with the Recycling Council of British Columbia to communicate the new requirements. • Director Kirby-Yung acknowledged that there will be a transition period with the new regulation and ongoing education is expected. • A member commented on having multiple streams of recycling and he thinks this current system relies on haulers and collection points being reliable and effective, which may not always be the case.	
6.	**OTHER BUSINESS**	
	6.1 Zero Waste Committee Updates • Paul Henderson provided an update on the agenda items from the October 12, 2023 Zero Waste Committee meeting, including: o Scaling up regional reuse repair and food recovery o 2024 Budget and 5-Year Financial Plan o North Surrey and Langley recycling depots development o Notice of Bylaw Violation and Dispute Adjudication bylaw engagement related to the existing facility licensing bylaw, Bylaw 181 o District Energy Waste-to-Energy Facility	Paul Henderson, Metro Vancouver

	6.2 Member Discussion on PTAC Meeting Involvement for 2024 • Members were asked to rank topics of interest based on previous meeting conversations, to be included in the 2024 draft work plan. • The focus of ranking topics was to create more opportunities for committee member contributions, sharing information, and discussing challenges for recycling systems. • Participants moved into breakout rooms to share ideas on enhancing meeting processes and involvement. • Detailed notes on each breakout room are included in Attachment 1. • Breakout Groups reported back to the main group with the following: o There is a need to understand Metro Vancouver's authority, to help inform the committee's advice on actions Metro Vancouver can take to advance waste reduction, and areas where Metro Vancouver can serve other roles where it does not have direct authority (e.g. advocacy, facilitation, convening). o Request to create more opportunities for members to highlight what they are doing in their organizations. o Need for a clear process for committee members to actively contribute to problem solving with respect to solid waste management challenges in the region, by sharing their technical expertise and lived experiences. o Importance of breakout sessions for discussions, having guest presenters on relevant topics, and collaborating on educational materials. o Opportunities for less structured small group meetings on particular topic areas o Other ideas included online active document for collective learning, and collaboration with Metro Vancouver staff on specific issues. Action Items: • 2024 draft work plan to be presented to members at the first meeting of 2024.	Chair
	6.3 2024 Meeting Planning • Chair reviewed purpose of PTAC and terms of reference • 2024 Meeting Logistics: o Discussion on planning and scheduling committee meetings for 2024. o Used MentiMeter to gather input on the number of meetings and preferred timings and months to not hold meetings. o Consideration of scheduling challenges and preferences for accessibility. Action Item:	Chair

	• 2024 meeting dates will be sent to members in December.	
	6.4 Zero Waste Conference 2023 Debrief • Members were asked to debrief on any feedback or experiences at the Zero Waste Conference 2023 (Nov 1-2). Members discussed: • Praise for the textile workshop format – particularly the "fishbowl" style with discussion and multiple speakers sharing perspectives. Suggestion of structured networking with set tables or the option to switch tables for more effective networking. • A member looked forward to the plastics conversation but was disappointed because the presentation focused more on the cost than on long-term solutions. • Enjoyed the workshops and the chance to ideate – The foodwaste Solve session was interesting. Disappointed in the infrastructure presentation since it didn't seem to represent a lot of diversity with the type of presenters chosen. • The panel that discussed the challenges of addressing producer responsibility needed more diverse perspectives to challenge industry norms. • Appreciation for the keynote speakers and food waste workshop. Suggestion of more time for workshops, and recommended exploring virtual networking options. • Suggested aligning food offerings with sustainability goals, providing specific networking space, and measuring the conference's overall carbon footprint.	Chair
7.	**INFORMATION ITEMS** **7.1 Regional Waste Flows October** **7.2 Public/Technical Advisory Committee 2023 Draft Annual Work Plan** **7.3 Metro Vancouver Regional District Board Report – External Agency Status Report for the Solid Waste Management Plan Public/Technical Advisory Committee** **7.4 Metro Vancouver Regional District Board Report – External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee** **7.5 Metro Vancouver Regional District Board Report – External Agency Status Report for the National Zero Waste Council** **7.6 Performance Metrics Review Scope of Work**	
8.	**ADJOURNMENT** • Adjourned at 4:54pm	Chair

Attachment 1:

Solid Waste Management Plan Public/Technical Advisory Committee November 15, 2023 PTAC Meeting Involvement for 2024 Group Notes	

Group 1	• Demonstrate how PTAC input directly impacts decisions or programs and articulate that connection more clearly
	• Move faster
	• Be involved in actions now even as we work on the plan update
	  o Start exploring potential solutions to problems, and lean on lived experience of the group to assess suitability of those potential solutions/ideas
	• Align zero waste work with climate policies – have different decision makers aligned and talk
	• Understanding what levers/authority Metro Vancouver actually has – help inform discussion
	  o Where Metro Vancouver doesn't have control, can we endorse/advocate work of other governments and organizations that do have the ability/control
	• More in person meetings
	• Inspiration from what is done in other parts of the world

Group 2	• Education, specifically to schools and businesses – How can we educate the public and get these conversations happening with as many people as possible? • Accountability – how do we factor that into things like subsidized housing – is there an accountability agreement that could be created that would improve buy-in? • Education because we have so many people who just don't understand why we are doing this or why it's important • Establish and communicate the connection between waste reduction and climate issues in general • How can we be more involved in creating the policies and enforcing them – from a policy perspective we all have different specialties. Can we leverage the talents of the committee to workshop some of these new policies? We can work better in a group that has working groups or sub-committees that make use of people's skills. We need targets and need to know where to go. We don't need any more updates that aren't linked to targets. Where we are now, where we are going, and how are we going to get there? • Accountability and enforcement of policies

	• Hard and big decisions have to be made – consumers will purchase what is available to them – we want to start supporting and talking about the hard decisions • More clarity about the purpose of this committee since we are still very much in the planning stage. What should be the focus and how should it be focused on? • Specialized working groups so that we can delve into topics more deeply and with more relevant lived and professional experience • Gain an understanding of the sphere of influence that Metro Vancouver truly has and apply that to policy planning • Build a cohesive framework – how do the actions and the policy connect to outcomes? When I think about one of the topics that were being discussed I don't understand how single-use items connects to the SWMP options. We talked about categorization and prioritization. How much worth does each idea have? • If we are going to offer our expertise we need to have things that are issues-based and that already exist somewhere within the current policies • Get information that is presented as it exists with the policy framework and then decide if it is important • Introduce the notion of what it's like to use these systems – ie. people who live in multi-unit dwellings. We should be asking what people actually care about in terms of lived experiences
Group 3	• Breakout rooms are nice to have • Consider particular groups o put together on topics of interest o cross-sectors need to be done for all the perspectives • Need more discussion and input formats • Balance between overview of topics and detailed working groups • For policies like single-use item reduction- different jurisdictional coordination between cities, region, province, federal o What can we do to streamline the process for residents? o Technical questions, purchasing questions • Interest in discussion of role of industry and the topic that came up around commercial sector challenges and the need for transparency • Non-industry members appreciate the learning opportunities to support engagement • Culture shift • Broader discussion and collaboration on educational materials • Definition of recycling under provincial Environmental Management Act includes incineration • Overview of the contents of the plan update but also more detailed information in breakout groups • Discussion around policies that allow for investment in recycling processing • New buildings consider:

	○ Protecting the space for recycling ○ Accommodating the garbage room and truck access ○ WorkSafe BC requirements ○ Need to have the architects at the table • Guest presenters from processors
Group 4	• Consider starting an active document to put thoughts in between meetings • Challenges/roadblocks from businesses that MV could help address • What Metro Vancouver is doing to align themselves with Extended Producer Responsibility • Explore smaller groups as issue areas emerge in order to complete deeper work in the area • One or two less structured meetings to get into deeper discussion • 'Optional meetings' not broadcast to public • Leverage expertise of members • Provide time and place for conversations • Less formal discussions • Access to staff to participate in discussions • Would like opportunity to influence Metro Vancouver on SWMP eg. what do we want Metro Vancouver working on, what can Metro Vancouver actually do, what good examples are happening in other places in the world? • Plan doesn't need to focus necessarily on 'what can Metro Vancouver do" because of influence Metro Vancouver has/funding of organizations such as the NZWC • PTAC should be forward thinking vs. responsive • PTAC can help advocate for change • Expand group to reach small business

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Regular Meeting

September, 7 2023
3:00 pm – 5:30 pm
In-person meeting
UBC Robson Square – Room C440
800 Robson Street, Vancouver, BC

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING NOTES – June 1, 2023
4. ACTION/STANDING ITEMS **4.1 Action tracker** **4.2 Incoming/outgoing communication**
5. METRO VANCOUVER UPDATES AND INVITED PRESENTATIONS
5.1 Performance Metrics Review - Discussion Speaker: Terry Fulton, Metro Vancouver Veronica Bartlett, Morrison Hershfield
5.2 Binners' Project Speaker: Brianne De Man, Binners' Project
5.3 Reuse and Repair Initiatives Speaker: Karen Storry, Metro Vancouver
5.4 Assessment of Regional Solid Waste System Speaker: Allen Jensen, Metro Vancouver
6. OTHER BUSINESS
6.1 Zero Waste Committee Updates Speaker: Paul Henderson, Metro Vancouver

6.2 Discussion on Invited Topics and Presentations Speaker: Director Kirby-Yung, Chair
6.3 Collaborative Engagement Outreach Opportunity Speaker: Brooke Atkinson, Metro Vancouver
6.4 Metro Vancouver Solid Waste Services Department Name Speaker: Paul Henderson, Metro Vancouver
6.5 2023 Zero Waste Conference PTAC Member Attendance Speaker: Brooke Atkinson, Metro Vancouver
7. INFORMATION ITEMS
7.1 Regional Waste Flows **7.2 Public/Technical Advisory Committee 2023 Annual Work Plan**

Attachment 1: Meeting notes – June 1 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Regional Waste Flows

Attachment 4: PTAC 2023 Annual Work Plan

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Thursday, September 7, 2023
In-Person Meeting
3:00 pm – 5:30 pm

UBC Robson Square – Room C440
800 Robson Street, Vancouver, BC

Meeting Notes

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Alice Henry, Bill Chan, Brenda Martens, Brianne De Man, Christian Dietrich, Cody Irwin, Daniel Rotman, Doug Schell, Grant Hankins, Jamie Kaminski, Louise Schwarz, Love-Ese Chile, Lyndsay Poaps, Michael Zarbl, Raman Johal, Sue Maxwell.

Absent: Ben Liegey, Hunter Bergen, Jake Turek, Jaye-Jay Berggren, Jessica Savoy, John Doherty, Kevin Huang, Matthew Morin, Sara Larter, Tara Immell, Ulwiana Mehta-Malhotra, William Selten, Yasmin Abraham.

Metro Vancouver Staff: Allen Jensen, Brooke Atkinson, Chris Allan, Chris Underwood, Karen Storry, Paul Henderson, Samantha Joy, Stephanie Liu.

1.	**INTRODUCTIONS** • Meeting started at 3:13 pm.	Chair
	1.1 Welcome from the Chair **1.2 Territorial Acknowledgement**	Chair
2.	**AGENDA** • Reviewed the September 7, 2023 meeting agenda	Chair
3.	**MEETING NOTES – April 28, 2023** • Reviewed the June 1, 2023 meeting notes • A member suggested changes to the June meeting notes to clarify that they had recommended referring to the "zero waste hierarchy" rather than the "waste hierarchy" in Attachment 1: Workshop Summary – Solid Waste Management Plan Update Vision and Guiding Principles.	Chair
4.	**ACTION/STANDING ITEMS**	Chair

	4.1 Action items from June 1 meeting • No updates from staff. **4.2 Incoming/outgoing communication** • No new communication.	
5.	**METRO VANCOUVER UPDATES AND INVITED PRESENTATIONS**	
	5.1 Performance Metrics Review – Discussion • Metro Vancouver has retained Morrison Hershfield to assist with the solid waste management plan update, including reviewing performance metrics. • Key performance indicators including disposal and recycling rates are reported annually and in a biennial solid waste management plan progress report provided to the province. • The scope of work for this review includes reviewing a wide range of solid waste performance metrics used elsewhere, including ones which assess performance related to circular economy, greenhouse gas emission reductions and equity. • Qualitative and quantitative performance measures will be considered, along with factors such as access to date, reliability and measurement feasibility. • PTAC members were asked what is important to their organization for reporting, what data they have access to that can inform this project, and if there are any specific jurisdictional examples that should be considered. • PTAC members may submit additional comments or suggestions to zerowaste@metrovancouver.org or if they would like to be interviewed on this topic. Members discussed: • Metrics which track and measure the success of partnerships and collaborations, such as with cities and EPR stewards, and assess overall system capacity (e.g. number of refilleries available for given population) • Including forward-looking metrics which help to measure things that are important for future success • Metrics for tracking the number of reuse cycles, consumption, creation of green and inclusive jobs and other measures of economic circularity • Applicability of industry best practices to Metro Vancouver region • Applying the principles of Donut Economics to integrate metrics and illustrate them so they are more understandable • How the make-up of waste stream is changing and the implications on current methods of calculations • Protecting commercially sensitive data acquired from industry/haulers • Terminology such as the difference between recycling and diversion • Metrics which speak to market demand for specific recycled materials	Chris Underwood, Metro Vancouver Veronika Bartlett, Morrison Hershfield

	• Measures of consumption – items purchased that will eventually become waste • Measures of services available that benefit goals and targets • How to measure attitudes and behaviours for the purpose of identifying barriers and opportunities • The need to look deeper into the story behind the metrics (e.g. most users of recycling depots require a Class 5 driver's license; what portion of population doesn't have a Class 5 license and therefore has restricted access to depots • Opportunity to access and use reuse/repair data from stewardship programs • Track metrics for how much goods are being stored (e.g. in self-storage)	
	5.2 Binners' Project • A binner is a person who collects redeemable beverage containers to sustain their livelihood. This diverts waste from disposal • Binners' Project provides a program to empower binners and to recognize them as being part of the circular economy • Aiming to build the community from the bottom up by reducing stigma associated with binning, improve economic opportunities for Binners, and support waste diversion in Vancouver • Example Binners' Project programs and initiatives: o Coffee Cup Revolution event o Community pickups o Binners hook o Universal binning cart o Back-of-house waste sorting o Sorting services at community events Members discussed: • Possibility of replicating and expanding the program in other cities within the region • Necessary to build community capacity by getting more industry partners involved and government support	Brianne De Man, Binners' Project
	5.3 Reuse and Repair Initiative • Metro Vancouver has multiple reuse and repair initiatives underway such as: o Reuse at Recycling and Waste Centres (Reuse Days) – diverting reusable items from the landfill at the North Shore Recycling and Waste Centre o Reusable cups and contains for offices and events – promoting reusable cup use in offices and community events (pilot at Metrotower III) o Food recovery network – Love Food, Hate Waste campaign and collaborating with FoodMesh o Construction and demolition – creating a waste reduction and recycling toolkit for construction and demolition waste	Karen Storry, Metro Vancouver

	○ Repair café funding – supporting municipalities to hold repair cafes for residents to work with repair experts to fix items Members discussed: • The benefits of having a repository of lessons learned from all of these initiatives to be able to improve the current programs and expand them to other regions Action Items: • Metro Vancouver to draft a lessons learned repository of all of the initiatives to date and share with PTAC.	
	5.4 Assessment of Regional Solid Waste Systems • A drive time model was developed to map and understand how the regional solid waste facilities meet Metro Vancouver's goal to provide small vehicle loads access within 30 minutes from a regional solid waste facility. The difference in drive times and their implications related to drive distance and GHG emissions were shown for the following scenarios: ○ Smalls loads baseline waste (current system) ○ Vancouver South Transfer Station closure ○ Vancouver Landfill closure ○ Baseline without Central Surrey Recycling and Waste Centre ○ False Creek Flats Recycling and Waste Centre ○ Barnet/Lansdowne Recycling and Waste Centre ○ Langley Recycling and Waste Centre options ○ Commercial hauler loads baseline • The current regional solid waste facilities meet the goal of drive times under 30-minutes for 98% of the population projected in 2050. Members discussed: • There was a question about a scenario where the Waste-to-Energy Facility was not operating. It was noted that most of the scenarios presented were for drive times for small vehicles, and small vehicles do not have access to the Waste-to-Energy Facility. A scenario of replacing the Waste-to-Energy Facility with a full service recycling and waste centre would result in reduced drive times for small vehicles in the vicinity of the facility, although their drive times would already be less than 30 minutes due to the proximity of the Vancouver South Transfer Station and United Boulevard Recycling and Waste Centre.	Allen Jensen, Metro Vancouver
6.	**OTHER BUSINESS**	

	6.1 Zero Waste Committee Updates • Paul Henderson provided an update on the agenda items from the July 13, 2023 Zero Waste Committee meeting, including: o Draft Tipping Fee Bylaw Updates o Smart Waste Program • Metro Vancouver is committed to engaging with waste haulers on both the tipping fee bylaw updates and the smart waste program. Members discussed: • Smart waste program, as a method to track where garbage goes, is less invasive than following trucks around the region	Paul Henderson, Metro Vancouver
	6.2 Invited Presenters and Topics Discussion • Chair Kirby-Yung provided an opportunity for PTAC members to describe in more detail and add to the list of potential invited presenters for future PTAC meetings. • The list was created based on discussion at the June PTAC meeting and was shared with members for further discussion: o Community based social marketing (potential speaker Professor Doug Mackenzie Mohr). o Natural disaster impacts on management of waste (potential speaker Cameron Baughen). o Lighthouse investigation of waste composition leaving construction sites from the generation side. o Opportunities for recycling, particularly organics (markets, pick-up options, processing, separation from waste, end-use) o ReFED presentation on data and insights (potential speaker Dana Gunders). o Waste-to-Energy (potential speaker Mike Ewall). o Zero Waste BC agenda, the provincial circular economy strategy and costs for various disposal options. Members discussed: • Adding these topics to the list: o Environmental/social/governmental (ESG) accounting practices o Broader goal for net zero in 2050 o Insights from and perspectives of waste hauling industry o Single-use item regulations from province and federal government o Construction and demolition and how policies change the market o Presenters from other parts of the world that have had success in getting better results, best practices, changing course o Reuse and how to scale reuse (presenter Cody Irwin) o Information on recycling commodity markets o Procurement of organics and how we are cycling the nutrients	Chair

	○ Repair and reuse working alongside procurement Action Items: • Members are welcome to provide additional ideas for invited presentations at future meetings, by emailing zerowaste@metrovancouver.org	
	6.3 Collaborative Engagement • PTAC members representing not-for-profit organizations are invited to participate in the collaborative engagement initiative, or to share information with potentially interested not-for-profit organizations. • This initiative offers funding (up to $5,000 per organization) and support to non-profit organizations to engage their networks on a vision and guiding principles for an updated solid waste management plan. • The goal is to hear from community members who otherwise may not be aware of opportunities to provide input to Metro Vancouver (i.e under-represented or equity denied groups, urban Indigenous people, youth, senior associations, environmental groups). Action Items: • Metro Vancouver will send details on the organizations we are currently working with and the type of organizations that we are looking to engage with. PTAC members are welcome to email zerowaste@metrovancouver.org with suggestions on who to reach out to, or if their organization would like to participate.	Brooke Atkinson, Metro Vancouver
	6.4 Metro Vancouver Solid Waste Services Department Name • Paul Henderson explained how Metro Vancouver Solid Waste Services Department is looking to change its name to something that better describes the work that the department does. • PTAC members participated in a polling exercise using Mentimeter.	Paul Henderson, Metro Vancouver
	6.5 2023 Zero Waste Conference PTAC Member Attendance • Chair Kirby-Yung provided a reminder to PTAC members that Metro Vancouver will cover the registration cost for PTAC members for the upcoming Zero Waste Conference (November 1-2) • PTAC members should email their information to zerowaste@metrovancouver.org before September 25 if interested in attending	
7.	**ADJOURNMENT** • Meeting was adjourned at 5:25 pm.	Chair
8.	**NEXT MEETING** • November 16, 2023 (online).	

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

Friday, April 12, 2024
3:00 pm – 5:30 pm
Online meeting
Zoom teleconference

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING NOTES – February 23, 2024 (Attachment 1)
4. ACTION/STANDING ITEMS **4.1 Action tracker** (Attachment 2) **4.2 Incoming/outgoing communication** • Jamie Kaminski, Email (Attachment 3) • Sue Maxwell, Email (Attachment 4)
5. METRO VANCOUVER UPDATES
5.1 Solid Waste Management Plan Vision and Guiding Principles Report Back *For Input/Feedback* Speaker: Stephanie Liu, Program Manager, Community Engagement, and Terry Fulton, Senior Project Engineer, Metro Vancouver *Small group discussions.* *Suggested discussion questions:* • *Any comments on the draft vision statement?* • *Any comments on the draft guiding principles?* • *Is there anything that should be added or removed?*
5.2 Solid Waste Management Plan Issues/Opportunities Discussion Questions *For Input/Feedback* Speaker: Terry Fulton, Senior Project Engineer, Metro Vancouver Veronica Bartlett, Morrison Hershfield *Small group discussions*

Suggested discussion questions: • *Any comments on the draft issue/opportunity statements?* • *Is there anything that should be added or removed?*
5.3 Zero Waste Committee Updates *For Information* Speaker: Paul Henderson, General Manager, Solid Waste Services
6. OTHER BUSINESS
6.1 Draft Agenda for PTAC Working Groups Initial Meetings and Update on Member Sign-ups (Attachment 5-6) *For Input/feedback* Speaker: Director Kirby-Yung, Chair; and Chairs of Working Groups
6.2 June 2024 Meeting and Tour *For Information* Speaker: Director Kirby-Yung, Chair
7. INFORMATION ITEMS **7.1 Public/Technical Advisory Committee Draft 2024 Work Plan** (Attachment 7) **7.2 Regional Waste Flows March 2024** (Attachment 8)

Attachment 1: Draft Meeting notes – February 23, 2024 – Solid Waste Management Plan Public/Technical Advisory Committee
Attachment 2: Action Tracker
Attachment 3: Email from Jamie Kaminski
Attachment 4: Email from Sue Maxwell
Attachment 5: Draft Agenda for PTAC working groups initial meetings
Attachment 6: Public/Technical Advisory Committee Working Groups Draft Terms of Reference
Attachment 7: Public/Technical Advisory Committee Draft 2024 Work Plan
Attachment 8: Regional Waste Flows March 2024

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Friday, April 12, 2024
Zoom Meeting
3:00 pm – 5:00 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung (Chair), Director Craig Hodge (Vice Chair), Daniel Rotman, Tara Immell, Brenda Martens, Bill Chan, Ulwiana Mehta-Malhotra, Sue Maxwell, Raman Johal, Kevin Huang, Lyndsay Poaps, Grant Hankins, Cody Irwin, Love-Ese Chile, Jamie Kaminski, Hunter Bergen, Doug Schell.

Absent: Alice Henry, Ben Liegey, Brianne De Man, Jaye-Jay Berggren, John Doherty, Lori Bryan, Louise Schwarz, Michael Zarbl, William Selten, Christian Dietrich, Jake Turek, Jessica Savoy, Matthew Morin, Sara Larter, Yasmin Abraham.

Metro Vancouver Staff: Paul Henderson, Chris Allan, Chris Underwood, Terry Fulton, Brooke Atkinson, Stephanie Liu, Zeenia Mizan, Allen Jensen, Samantha Joy, Adriana Velazquez, Karen Storry

1.	**INTRODUCTIONS** • Meeting started at 3:03pm	Vice-Chair
	Welcome from the Vice-Chair • Director Craig Hodge welcomed Committee members and acknowledged public members' ability to observe the meeting on the Solid Waste Management Plan Public/Technical Advisory Committee (PTAC) website live stream.	
2.	**AGENDA** • Reviewed the April 12, 2024 meeting agenda.	Vice-Chair
3.	**MEETING NOTES – February 23, 2024** • Reviewed the February 23, 2024 meeting notes.	Vice-Chair
	• A question was raised by member about the accuracy of the meeting notes with respect to the scope of Residuals Management Options review study • Metro Vancouver staff confirmed that the meeting notes accurately described that the scope of the study encompasses all forms of residual management – not just Waste-to-Energy	
4.	**ACTION/STANDING ITEMS**	Vice-Chair
	4.1 Action tracker Metro Vancouver provided updates on the Action tracker.	

	• One new action item added since February meeting: Metro Vancouver staff to provide PTAC with a timeline and list of activities for what needs to be completed for the SWMP update **4.2 Incoming/outgoing communication** • Email Correspondence from committee members (Jamie Kaminski and Sue Maxwell) was attached to the agenda as attachments 3 and 4 for members' information. • Metro Vancouver staff proposed that there could be up to two 5-minute presentation slots at the start of each meeting for members to present to the committee (topics must be relevant to PTAC terms of reference). Members would request to present in advance of the meeting, for approval by the Chair. Additional time would be allocated for any questions and discussion by members. Members agreed to this approach and future meeting agendas will include this addition.	
5.	**METRO VANCOUVER UPDATES**	
	5.1 Solid Waste Management Plan Vision and Guiding Principles Report Back *For Input/feedback* Metro Vancouver provided updates on Solid Waste Management Plan Vision and Guiding Principles *Breakout room discussions after presentation* • Members discussed and provided comments on the draft vision statement and draft guiding principles – see Attachment 1 for feedback summary and Attachment 2 for breakout group notes	Stephanie Liu, Metro Vancouver Terry Fulton, Metro Vancouver
	5.2 Solid Waste Management Plan Issues/Opportunities Discussion Questions *For Input/feedback* Metro Vancouver provided updates on Solid Waste Management Plan Issues/Opportunities Discussion Questions *Breakout room discussions after presentation* • Members discussed and provided comments on the draft issue/opportunity statements – see Attachment 1 for feedback summary and Attachment 2 for detailed breakout group notes	Terry Fulton, Metro Vancouver Veronica Bartlett, Morrison Hershfield
	5.3 Zero Waste Committee Updates *For Information* Metro Vancouver provided updates on reports presented to Zero Waste Committee at the April 4, 2024 meeting. Members discussed: • Whether the Public and Technical Advisory Committee has a role in monitoring the current solid waste management plan, and as such was the information for input or simply for information? • Metro Vancouver responded: The District Energy Project update along with the other Zero Waste Committee updates are for the committee's	Paul Henderson, Metro Vancouver

	information only. More information will be provided with respect to the plan monitoring function for the current plan. • Given that a solid waste management plan update is underway, should Metro Vancouver be making capital decisions related to the Waste-to-Energy Facility? • Metro Vancouver Response: The current solid waste management plan continues to be in place. The Waste-to-Energy Facility has been operating since 1988, and the District Energy project simply optimizes energy recovery from the Waste-to-Energy Facility by providing heat and hot water to communities in addition to electricity. • What testing programs are in place for testing and tracing bottom ash from the Waste-to-Energy Facility given it is being used as an input for cement manufacture? Is the ash location tracked to its ultimate use? Action Item: Metro Vancouver staff to provide PTAC members with information on bottom ash use along with the solid waste management plan monitoring process for the current plan.	
6	**OTHER BUSINESS**	
	6.1 Draft Agenda for PTAC Working Groups First Meeting and Working Groups Terms of Reference *For Input/feedback* No Input/feedback was given.	Chair
	6.2 June 2024 Meeting and Tour *For Information* Note: The June 14, 2024 meeting is strictly in-person, with no virtual option. The meeting will begin at Metro Vancouver Head Office followed by a tour of the Waste-to-Energy Facility.	Chair
7	**INFORMATION ITEMS** **7.1 Public/Technical Advisory Committee Draft 2024 Work Plan** **7.2 Regional Waste Flows March 2024**	
8	**ADJOURNMENT** • Adjourned at 4:54pm	Chair

Attachment 1: Feedback Summary on the Solid Waste Management Plan Update Vision and Guiding Principles Draft – April 12, 2024 PTAC Meeting

Attachment 2: Breakout Group Notes for the April 12, 2024 PTAC Meeting

Solid Waste Management Plan Public/Technical Advisory Committee Meeting

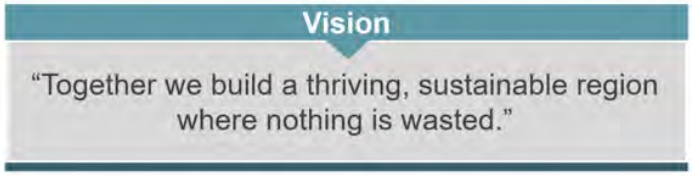
Feedback on Vision and Guiding Principles, and Issue/Opportunity Discussion Questions

April 12, 2024

At the April 12, 2024 Public/Technical Advisory Committee (PTAC) meeting, Metro Vancouver sought input/feedback from members on the following items related to the solid waste management plan update:

- Draft Vision and Guiding Principles
- Draft Issue/Opportunity Discussion Questions– for Idea Generation phase

The vision statement, eight guiding principles and seven discussion questions were presented to members:







A summary of feedback from the meeting as well as follow-up written feedback provided by PTAC members is presented in the *What We Heard* section below. Note that the feedback presented here is meant to highlight key themes from the discussion. Detailed discussion notes are being retained as part of the full engagement record.

Members are welcome to submit any additional feedback before May 10, 2024, to zerowaste@metrovancouver.org.

WHAT WE HEARD

The table below summarizes themes that emerged through the small group discussions. In addition to these themes, there was feedback related specifically to each guiding principle and discussion question, which are included separately in detailed small group notes. All feedback will be taken into consideration as Metro Vancouver finalizes the draft vision and guiding principles for the updated plan.

Draft vision statement	
Theme	**What We Heard**
Framing of vision statement	• Prefer a positive statement on the impact we want the region to have • Supposed to be aspirational • Unsure about the implication of "nothing is wasted" – may create assumption we are consuming excessively • Try something positive – e.g. "Where circularity is embraced" or "where resources are conserved and not destroyed/wasted" • Waste is progressively minimized – the word "nothing" is not hitting the mark

Clarity of terms/concepts	• Need to be specific with resource conservation and waste reduction • "Sustainable" too much of a buzz word, and too open to interpretation
Other	• Have it focused more on resources rather than waste • Shorter and more concise, with resource conservation as a main goal • More about protecting and honouring the earth • Concern: language in the vision statement doesn't specify the upper levels of the waste hierarchy; as such, 'nothing is wasted' may be misinterpreted to support waste-to-energy as an approach to reducing waste

Draft guiding principles	
Theme	**What We Heard**
Waste hierarchy	• Include zero waste hierarchy more within the principles, from the highest level of the waste hierarchy • Add in the zero waste definition and hierarchy
Roles/responsibilities	• (Principle #1) needs to be more specific with what actions will be done to make sure each of those parties (residents/ businesses/ governments) can be held accountable • Need to make a connection better to the role that Metro Vancouver already plays, what is already being done, and what further actions can be taken
Cost effectiveness /affordability	• Missing: Direct reference to a cost effective solid waste system – need to be mindful of elevated cost of living in the region
Minimize toxicity	• Consider toxicity in the principles – how to include the toxic aspect that waste has on the environment and how to deal with that • (Principle #6) adding: minimizing use of toxic or harmful materials and pollution
Additional considerations	• "prevent" should be a key word that isn't emphasized now in the principles (i.e. waste prevention) • Add "reconciliation" as a guiding principle – speaks to protection of the land • How do we prioritize environmental stewardship? • Be transparent about what happens to our waste and recycling, and use internationally peer reviewed definitions and terminology • Add in the precautionary principle

Draft issue/opportunity discussion questions	
Theme	**What We Heard**
Focus more on circularity	• Think about what systems need to change to focus more on circularity and resource generation

	• Encouraging and promoting circular economy infrastructure versus building more facilities • What policies, infrastructure and funding could be shifted to drive circularity and conservation of materials? • What do we need to do to move towards circularity in order for everyone across the region to implement it in their daily lives? • Reuse and circularity are not centralized enough in these questions – recycling has too much emphasis.
Clarify accountabilities	• Focus more on the connection of what residents/businesses are doing and what Metro Vancouver needs to do to achieve the goal of being more advanced than the plan was in 2010 • Find policies for accountability for businesses on circularity to extend the life of products • (Question #2 example) Promoting individual accountability – not everyone gets a choice in the materials they buy. Accountability is much more suited to industry on the options industry is providing to consumers, and governments that allow options to exist in the first place
Cost effectiveness /affordability	• (Question #4) Make services more accessible after educating the public as much as possible
Minimize toxicity	• (Question #2) Should be more focused and shift to reducing toxicity levels that comes from waste in our environment • How do we decrease the toxicity and harms from materials? How do we minimize the spread of toxic materials?
Additional consideration	• Questions need to be concise and clear and specific to prompt answers without needing to provide examples that bias people to provide certain answers • (Question #2) Want systems that don't harm our environment – system innovations • 'increase environmental stewardship' is unclear as it relates to products and materials • Reframe 'waste' to something else - "How do we reduce barriers to recovering materials used in your organizations"

In addition to direct feedback on the vision and guiding principles members offered feedback that can be considered in the idea generation phase:

- (Principle #6) Need to be clear about what tools exist to reduce barriers to residents and businesses and continue to encourage good waste management decisions. Metro Vancouver already has tools in place to support this, but how can that be expanded on and improved
- Find what policies need to be implemented that drive the ability to extend the life time of items they are producing
- Focus on prioritizing policy by governments, especially policies that can be applied to address the actions and ideas created to support the plan update.

- Make sure to keep product/waste reduction separate from Extended Producer Responsibility – focus more on repair and reuse
- How do we increase recycling and composting efforts after maximizing waste reduction and reuse?

ATTENDANCE:

PTAC Attendees: Director Sarah Kirby-Yung (Chair), Director Craig Hodge (Vice Chair), Daniel Rotman, Tara Immell, Brenda Martens, Bill Chan, Ulwiana Mehta-Malhotra, Sue Maxwell, Raman Johal, Kevin Huang, Lyndsay Poaps, Grant Hankins, Cody Irwin, Love-Ese Chile, Jamie Kaminski, Hunter Bergen, Doug Schell.

PTAC Absent Members: Alice Henry, Ben Liegey, Brianne De Man, Jaye-Jay Berggren, John Doherty, Lori Bryan, Louise Schwarz, Michael Zarbl, William Selten, Christian Dietrich, Jake Turek, Jessica Savoy, Matthew Morin, Sara Larter, Yasmin Abraham.

Metro Vancouver Staff: Paul Henderson, Chris Allan, Chris Underwood, Terry Fulton, Brooke Atkinson, Stephanie Liu, Zeenia Mizan, Allen Jensen, Samantha Joy, Adriana Velazquez, Karen Storry

ADDITIONAL FEEDBACK

Metro Vancouver staff asked members of PTAC to provide any additional feedback on the vision and guiding principle after the April 12, 2024 meeting. The following is a summary feedback received via email:

Feedback on draft vision statement:

- Clarify the definition of “waste” in the statement "region where nothing is wasted".
    - If "waste" means "waste disposed" (0.45 tonnes per capita), it sounds weak especially for food waste, as everything should be composted already, and composting 100% of food waste will not solve the problem of food waste generated.
    - If "waste" means "waste generated" (1.3 tonnes per capita), the vision may be too ambitious as you will always have some waste being generated, even if 100% is recycled or composted. And "only" 66% of food waste is avoidable.
- Statement promotes preventing producing excessive waste such as over-packaging; Cultural shift to reduce consumption; reduce single use items; reusable alternatives.

Feedback on draft guiding principles:

- Recommend changing the principle "Take action to reduce the carbon footprint of materials used in our region" from “material used” to “material use” as it is a verb and includes the action of reducing the carbon footprint and using less materials.
- Suggest adding “at their highest value” to the principle "Prioritize environmental stewardship by valuing and conserving materials and products." Nowhere else in the principles (or vision) is the concept of "highest and best use" from the Zero Waste Hierarchy included.
- Recommend rewriting "Build confidence about what happens to our waste and recycling and how we measure waste reduction and recycling." as "Build confidence by being accountable and transparent in how we report and measure our waste reduction and recycling".

Breakout Group Discussion Notes

PTAC Meeting – April 12, 2024

Group 1 Notes:

Metro Vancouver Note Taker Name:	*Brooke Atkinson*
PTAC Members in breakout room	*Sue Maxwell, Lyndsay Poaps, Jamie Kaminski, Ulwiana Mehta-Malhotra*

Any comments on the draft vision statement?
"Together we build a thriving, sustainable region where nothing is wasted."

- Have the vision more aligned with zero waste – have it focused more on resources rather than waste
- Don't want the action of wasting resources and we don't want them to be destroyed
- "Where resources are conserved and not destroyed or wasted"
- Find a shorter or more concise way to put statement and to change "nothing is wasted" to something still short and be able to get the message across with resource conservation as a main goal
- Need to be specific with resource conservation and waste reduction – important to not destroy resources – that should be highlighted and clear in this overall vision to accomplish in the plan update
- Supposed to be an aspirational vision – make it that way – make it a more positive sentence
- Remove the word "sustainable" so it is focused more on the conservation of resources which is similar to using the word sustainable, but it is too much of a buzz word and should try to steer clear of it

Any comments on the draft guiding principles?
Is there anything that should be added or removed?

- Include all of the feedback from each group online from first phase so it is transparent and we can see what it was
- Include zero waste hierarchy more within the principles
- Precautionary principles added is necessary
- Consider toxicity in the principles – how to include the toxic aspect that waste has on the environment and how to deal with that
- Principle #1) when talking about each level (residents/businesses/governments) it needs to be more specific with what actions will be done to make sure each of those sectors can be held accountable
- Principle #6) Need to be clear about what the tools are to **reduce barriers to residents and businesses and continue to encourage good waste management decisions**. Metro Vancouver already has tools in place to support this, but how can that be expanded on and improved
- Overall principles, need to make a connection better to the role that Metro Vancouver plays, what they are already doing, and what further actions to take to get to a goal within the solid waste management plan update
- Focus on prioritizing policy by governments on what can be included and done
- Policies that can be applied throughout these guiding principles, include more

Any comments on the draft issue/opportunity discussion questions?
Is there anything that should be added or removed?

- The questions need to be more connected to the overall guiding principles – questions don't feel like a reflection of where we were in the previous plan and where we are now
- When revisiting areas – need to focus more on the connection of what we (residents/businesses) are doing and what they (Metro Vancouver) need to do to get to the goal of being more advanced than the plan was in 2010
- The way the questions are all framed, seems like they are getting to the answers that Metro Vancouver already has at their disposal, and not building on it
- Challenge in not taking in experiences and progress that Metro Vancouver have had and implementing it within these questions more
- How are we encouraging and promoting circular economy infrastructure versus building more facilities, that needs to be reflected more in these questions
- Overall, the questions don't hit the mark with what we want to do with the plan
- Need to look at what policies and infrastructure and funding could be shifted to drive circularity and conservation of materials to discourage the wasting of resources
- What do we need to do to move towards circularity in order for everyone across the region to implement it in their daily lives
- Including transparency throughout questions
- Get people to think about what systems need to change to focus on more circularity and resource generation
- End goal should be to have actionable ways for the Federal and Provincial government to get businesses/ industry sectors to reduce the waste they create on a daily basis
- Find what policies need to be implemented that drive the ability to extend the life time of items they are producing
- Focus more on circularity to extend the life of products – find policies for accountability for businesses
- Make sure to keep product/waste reduction separate from ERP – focus more on repair and reuse

Question: How do we increase environmental stewardship of products and materials?

- Change increase to improve – focus on zero waste hierarchy that implements the highest levels
- Want systems that don't harm our environment – system innovations
- Ask questions on the upper level of the hierarchy - how to foster reduction/reuse and then getting to the other levels
- Are these questions just creating work of the experience that Metro Vancouver knows already – will we get answers that are helpful by using these questions
- Should be more focused and shift to reducing toxicity levels that comes from waste in our environment – focus on ways to reduce toxicity in the waste streams

Question: How do we increase recycling and composting efforts after maximizing waste reduction and reuse?

- We know the answer to this after years of research and experience, the biggest issue is access after promoting the efforts, how do we now bridge the gap and make services more accessible after educating the public as much as possible

Group 2 Notes:

Metro Vancouver Note Taker Name:	*Stephanie Liu*
PTAC Members in breakout room	*Brenda Martens, Daniel Rotman, Grant Hankins, Love-Ese Chile, Raman Johal*

Any comments on the draft vision statement?
"Together we build a thriving, sustainable region where nothing is wasted."

- **Like the vision statement** – one observation is 'sustainable' is very open to interpretation and could be clearer. Links sustainability to things being wasted. Would prefer a positive statement on the impact we want the region to have.
- Would be nice to reframe to positive statement. The vision is the ideal state in the long term, but the statement is a verb/doing version, rather than describing what the end state / destination is.

Any comments on the draft guiding principles?
Is there anything that should be added or removed?

- "take action to reduce carbon footprint" – don't know what that means for the plan and how Metro Vancouver would do that
- **Missing**: don't see anything about working at the highest level of waste hierarchy – echoed by all other group members.
- **Missing**: "**prevent**" should be a key word that isn't emphasized now in the principles. Doesn't have to be this word – can be something more positive. But the concept should be woven into the guiding principles more strongly (again related to moving up the waste hierarchy)
- **Like** 'increase accountability', 'building accountability', 'resilience', and transparency on where waste is going
- The **guiding principles lose the nuances** of the specific feedback that contributed to each one. Maybe there is a way to embed the additional nuance, or it may be contained in other communications if the guiding principles are meant to be easy to understand. Can we be more specific on the guiding principles.
- **Missing**: Cost effective solid waste system – need to be mindful of elevated cost of living in the region. Maybe can be incorporated in the guiding principle about easy to use, convenient, and consistent system. Echoed by others in the group.

Any comments on the draft issue/opportunity discussion questions?
Is there anything that should be added or removed?

- Needs to be more variety of methods to collect feedback from PTAC – suggest a form with specific questions to ask about relevance of the questions, wording, and readability, etc. so everyone can participate
- **Feedback on Question 2 examples**- promoting individual accountability – not everyone gets a choice in the materials they buy. Accountability is much more suited to industry on options industry is providing, and governments that allow options to exist in the first place.
- The **term 'increase environmental stewardship' is unclear** as it relates to products and materials. It's a buzzword. We need to be specific about the intent behind these questions and what they're asking. If they're asking about accountability, why isn't accountability in the question.

- **Can we reframe 'waste' to something else** – what's the underlying information we are trying to seek out. "How do we reduce barriers to recovering materials used in your organizations" could be a reframing of "how do we reduce barriers to .. waste management decisions"
- Every question except #2 has the word waste in it – as soon as you put that word it puts people the mindset of generating waste. "How do we minimize resources we use" would provide very different answers to "how do we implement waste prevention initiatives.
- People will **need more background information** to answer these questions, to understand the context.
- Questions need to be **concise and clear and specific** to prompt answers **without needing to provide examples that bias people** to provide certain answers. Questions should stand alone and be non-biasing.
- Question 5 – building confidence and measuring waste reduction/diversion are **two different things – should be split into two**
- **Question 5 on building confidence** should provide examples of confidence promoting measures that are possible, and ask about those measures and whether they would be effective – e.g. How do we increase transparency about contamination in material streams, or increase protections for businesses without fear of backlash – ask: will these options build confidence or not.
- **Who is 'we' and** do people understand who that is when they answer the question. – is it me individually or metro Vancouver as a region or my sector or business…
- **Question 4** – wondering why composting and recycling are together – maybe simply removing composting will get more information

Group 3 Notes:

Metro Vancouver Note Taker Name:	*Samantha Joy*
PTAC Members in breakout room	*Cody Irwin, Bill Chan, Kevin Huang, Hunter Bergen, Tara Immell*

Any comments on the draft vision statement?
"Together we build a thriving, sustainable region where nothing is wasted."

- Feel like we're assuming we're consuming more – **not sure about the implication of "nothing is wasted"**
- More about protecting and honouring the earth
- Waste is progressively minimized – the word "nothing" is not hitting the mark
- A vision statement is meant to amp people up, guiding, motivating – not sure if the vision statement is going to matter in the long run – no concerns with the statement
- **Statement is in the negative**, "nothing is wasted" try something positive – "Where circularity is embraced"
- Agree that a positive tone would be better
- Common language is important, but agree with using positive tone
- **Is the word "sustainable" strong enough** – we need a "north star" term here that can relate back to the protection of the earth as a whole
- "Honouring" is a good word to communicate respect for resources

Any comments on the draft guiding principles? **Is there anything that should be added or removed?**
• **Add "reconciliation" as a guiding principle** – speaks to protection of the land • Number 6 – "conserving" doesn't speak to reuse – don't see anything that specifically relates to reuse in this statement – value and conserve don't fit – "minimize" would fit • How do we prioritize environmental stewardship? • What is our baseline in language? How strong can we go in the verbs we chose? These word choices feel like maintenance of the current standard. • Should we be using words like mitigation? We would like to see stronger language • Who's our audience, what do they want? • 45% of climate change is directly related to waste - **The vision statement should be related to climate change**
Any comments on the draft issue/opportunity discussion questions? **Is there anything that should be added or removed?**
• How do we ensure that when things are recycled they are recycled for the highest possible use **Add to number 4 a bullet to: Focus on recycling to the highest commodity value.** • Question 4 – why are we talking about recycling when we want to maximize waste reduction and reuse? • **Reuse and circularity are not centralized enough in these questions** – feels like recycling has too much emphasis • Number 6 – **how do we reduce barriers to reuse** should replace **good waste management decisions** • **Number 7 mentions waste management –** add as an example REUSE instead of focusing again on recycling • **Suggested progression of the questions:** 1. How to reduce and eliminate the waste? 2. How do we **re-use** the waste? 3. How do we recycle what is left? • **Question 2 –** Add a third bullet to example opportunities: how do we provide confidence in the reporting? (avoid greenwashing, increase transparency, third-party assurances) • **Question 3 –** could say "encourage re-use" instead of "reduce waste". • Question 3 – Example opportunities: Add "the province" and "industry organizations" to the bullet. • **Add** discussion question: How do we engage the community to adopt these values?

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

Friday, February 23, 2024
3:00 pm – 5:30 pm
Online meeting
Zoom teleconference

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING NOTES – November 16, 2023 (Attachment 1)
4. ACTION/STANDING ITEMS **4.1 Action tracker** (Attachment 2) **4.2 Incoming/outgoing communication** (Attachment 3-5)
5. OTHER BUSINESS
5.1 2024 Draft PTAC Work Plan and Working Groups Discussion (Attachment 6) *For Input/feedback* Speaker: Director Kirby-Yung, Chair
5.2 Discussion on PTAC Working Group Topics (Attachment 7) *For Input/feedback* Speaker: Director Kirby-Yung, Chair
5.3 PTAC Working Groups Draft Terms of Reference (Attachment 8) *For Input/feedback* Speaker: Director Kirby-Yung, Chair
6. METRO VANCOUVER UPDATES
6.1 Integrated Solid Waste and Resource Management Plan Biennial Report *For Input/Feedback* Speaker: Terry Fulton, Senior Project Engineer, Metro Vancouver

6.2 Updates on Technical Studies:

- **Concrete and Asphalt Recycling Opportunities Scope Review** (Attachment 9)
- **Residuals Management Options Scope Review** (Attachment 10)

For Information

Speaker: Paul Henderson, General Manager, Solid Waste Services

6.3 Zero Waste Committee Updates

For Information

Speaker: Paul Henderson, General Manager, Solid Waste Services

7. INFORMATION ITEMS

7.1 Regional Waste Flows January (Attachment 11)

Attachment 1: Meeting notes – November 16, 2023 – Solid Waste Management Plan Public/Technical Advisory Committee
Attachment 2: Action Tracker
Attachment 3: Communication from WMABC to Metro Vancouver on December 11, 2023
Attachment 4: Communication from WMABC to Metro Vancouver on January 17, 2024
Attachment 5: Communication from Metro Vancouver to WMABC on January 24, 2024
Attachment 6: Public/Technical Advisory Committee Draft 2024 Work Plan
Attachment 7: Public/Technical Advisory Committee Proposed Topics for Working Groups
Attachment 8: Public/Technical Advisory Committee Working Groups Draft Terms of Reference
Attachment 9: Concrete and Asphalt Recycling Opportunities Scope Review Presentation
Attachment 10: Residuals Management Options Scope Review Presentation
Attachment 11: Regional Waste Flows January

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Friday, February 23, 2024
Zoom Meeting
3:00 pm – 5:00 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung (Chair), Alice Henry, Ben Liegey, Bill Chan, Daniel Rotman, Hunter Bergen, Jamie Kaminski, John Doherty, Kevin Huang, Louise Schwarz, Love-Ese Chile, Lyndsay Poaps, Michael Zarbl, Raman Johal, Sue Maxwell, Tara Immell, Ulwiana Mehta-Malhotra, William Selten.

Absent: Director Craig Hodge (Vice-Chair), Brenda Martens, Brianne De Man, Christian Dietrich, Cody Irwin, Doug Schell, Grant Hankins, Jake Turek, Jaye-Jay Berggren, Matthew Morin, Sara Larter, Yasmin Abraham, Lori Bryan (IAC Chair).

Metro Vancouver Staff: Paul Henderson, Chris Allan, Chris Underwood Terry Fulton, Allen Jensen, Nanette van Doorn, Stephanie Liu, Brooke Atkinson, Zack Ha.

1.	**INTRODUCTIONS** • Meeting started at 3:03 pm	Chair
	Welcome from the Chair • Director Kirby-Yung expressed gratitude for the attendees' commitment.	Chair
2.	**AGENDA** • Reviewed the February 23, 2024 meeting agenda.	Chair
3.	**MEETING NOTES – November 16, 2023** • Reviewed the November 16, 2023 meeting notes.	Chair
4.	**ACTION/STANDING ITEMS**	Chair
	4.1 Action tracker Action items taken from 2023 action tracker: • Inviting the Solid Waste Management Plan Independent Consultation and Engagement Panel to a future Public/Technical Advisory Committee (PTAC) meeting. • Communicate opportunity for PTAC members to provide ideas for invited presenters at future meetings on an ongoing basis	

	• Metro Vancouver to share lessons learned from innovative Metro Vancouver repair and reuse initiatives with PTAC • Metro Vancouver to provide more information about the potential pilot program to waive disposal ban surcharges for haulers that demonstrate they have encouraged their customers to recycle materials **4.2 Incoming/outgoing communication** • Correspondence from Waste Management Association of BC (WMABC) to the Greater Vancouver Sewage and Drainage District in December 2023 and January 2024 included in agenda package • Response letter from Metro Vancouver in January 2024 included in agenda package Chair Kirby-Yung invited committee members to share any communications they received related to the solid waste management plan or to their participation on PTAC. No responses were provided.	
5.	**OTHER BUSINESS**	
	5.1 2024 Draft PTAC Work Plan and Working Groups Discussion *For Input/feedback* • MV staff drafted a 2024 work plan for the Committee, based on the conversation and feedback from the last meeting. • Proposed group approach – form working groups that allow deeper discussions, which meet on a regular basis outside of regular PTAC meetings and report findings to the committee. Conclusions from those discussions will help contribute to the solid waste management plan update. Members discussed: • Should the committee put together a timeline of activities needed to be done in order to complete the solid waste management plan update by November of this year? We should also try to cut out peripheral activities which might not be relevant to the new plan. • MV responded that there's a process laid out by the province for updating the solid waste management plan, and we are working as fast as we can to update the solid waste management plan but trying to target November of this year is not realistic. Also, the concept of these working groups is meant to allow committee members to dive into key issues and come up with ideas that will directly contribute to the plan update process. • Suggestion that the Waste-to-Energy Facility tour be done on a separate occasion, rather than using a scheduled PTAC meeting. • Most members support the idea of working groups. • Membership of working groups: each working group can identify other people they think would be valuable to present to the group, e.g., consultants, specialists, business owners, etc. Each group should have 1-2	Chair

	PTAC members who have good knowledge about the topic in addition to others who have interest in it. • MV staff will support working groups	
	5.2 Discussion on PTAC Working Group Topics *For Input/feedback* There are four broad categories of topics proposed for working groups (in-bracket details are only examples – working groups to narrow down the topics further): • Construction and Demolition Waste Management (capacity, markets, regulatory framework) • Organics Management (improving participation, contamination, processing capacity) • Waste Prevention (repair, reuse, reduce, food recovery, education and behavior change) • Plastics (regulatory framework, commodity markets) Members discussed: • Comments that waste prevention, waste hierarchy, and education/behaviour change should be incorporated into all of the topic categories • MV action: removal of the Waste Prevention topic area as an option for a working group. Instead this will be incorporated in all working groups. • Topics should be aligned to the solid waste management plan. • Comment that we should map out areas of expertise that people (PTAC, MV, National Zero Waste Council) already have and don't have, to see what/who should be added, make sure we don't miss important things, and also utilize what we already have to move faster. • MV is working with consulting firm Morrison Hershfield on a document reviewing the existing solid waste management plan. The current plan is structured in the form of the waste hierarchy and it may also be beneficial to structure the updated plan in the form of the waste hierarchy – from waste prevention to residual management. • Some members are concerned that other materials / sub-categorized materials may not be covered by the proposed working group topics. • Clarification: all material categories will be covered at larger PTAC Committee level. These working group topics are suggested based on interest expressed by PTAC members to focus on and to come up with potential solutions. • Policies/regulations and infrastructure are related to each of those topics, and will be a part of every conversation. • Comment that members should keep in mind the scope of solutions in group discussions (i.e., where to focus MV's resources to work towards the goals of solid waste management plan, rather than specific solution with products).	Chair

	Clarifying details provided: • It is not required for every member of PTAC to join working groups, and PTAC members can choose not to participate in this working group activity. • Members will be provided a separate opportunity to sign up to join the working groups after this meeting. • PTAC will receive updates on the work of the working groups, and as such there will be opportunity for all members of PTAC to provide input on the working group topic areas even if they are not in the working groups. • It will be up to each group to decide: o The Chair of the working group o The specific issues to be discussed in the working group o Whether it's necessary to invite external experts o Meeting's frequency, duration, offline/online A Menti Meter exercise was conducted to gauge the interest of members in joining a working group on the topics (Waste Prevention topic was removed based on member discussion) • Construction and Demolition Waste Management (5 members interested) • Organics Management (11 members interested) • Plastics (11 members interested)	
	5.3 PTAC Working Groups Draft Terms of Reference *For Input/feedback* The draft Terms of Reference were introduced.	Chair
6.	**METRO VANCOUVER UPDATES**	
	6.1 Integrated Solid Waste and Resource Management Plan Biennial Report *For Input/feedback* An update was provided on the Integrated Solid Waste and Resource Management Plan Biennial Report: • Summarizes 2021 and 2022 highlights • Reports on status of each action within the solid waste management plan • Provides updated solid waste and recycling statistics The full report will be published and presented to Zero Waste Committee in April, at which point PTAC members and the public will be invited to provide feedback.	Terry Fulton, Metro Vancouver
	6.2 Updates on Technical Studies: • Concrete and Asphalt Recycling Opportunities Scope Review • Residuals Management Options Scope Review *For Information* Members can review the material provided and connect with Metro Vancouver if they are interested in providing input or feedback on either study. Members discussed:	Paul Henderson, Metro Vancouver

	• Comment that the rationale for a study on concrete and asphalt recycling is not clear given the high recycling rates for these materials. • MV responded: The goal of the Concrete and Asphalt Recycling Opportunities study is to evaluate new and leading edge recycling opportunities for upcycling these materials. • A member suggested that a recent Environment and Climate Change Canada study has looked at combustion, gasification, pyrolysis treatment options for residual municipal solid waste and noted the various challenges. Consequently, an additional study on residual management options may not be necessary. • MV responded: We are aware of that study, the residuals management options study isn't focused on waste to energy, but rather on all options to manage residual waste.	
	6.3 Zero Waste Committee Updates *For Information* Highlights from February Zero Waste Committee meeting were provided: • Multi-Family Waste Reduction added to the 2024 work plan • Smart Waste Program / Tipping Fee Bylaw Updates • Textiles Waste Reduction Campaign Update • Zero Waste Conference Report	Paul Henderson, Metro Vancouver
7.	**INFORMATION ITEMS** **7.1 Regional Waste Flows January**	
8.	**ADJOURNMENT** • Adjourned at 4:57 pm	Chair

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

Friday, June 14, 2024
2:00 pm – 5:30 pm
In-person meeting and tour of the Waste-to-Energy Facility

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING NOTES – April 12, 2024 (Attachment 1)
4. ACTION/STANDING ITEMS **4.1 Action tracker** (Attachment 2) **4.2 Incoming/outgoing communication**
5. PTAC MEMBER PRESENTATIONS
6. WORKING GROUP UPDATES *For Information* Speaker: Chairs of Working Groups
7. METRO VANCOUVER UPDATES
7.1 Zero Waste Committee Updates *For Information* Speaker: Paul Henderson, General Manager, Solid Waste Services **7.2 Disposal Ban Exemption Pilot Program** *For information/future input* Speaker: Paul Henderson, General Manager, Solid Waste Services
8. OTHER BUSINESS
8.1 PTAC Focused Recruitment for Additional Members *For Information*

8.2 September PTAC Meeting Date Change – September 13
For Information

9. INFORMATION ITEMS

9.1 Public/Technical Advisory Committee Draft 2024 Work Plan (Attachment 4)

9.2 Regional Waste Flows May 2024 (Attachment 5)

Attachment 1: Draft Meeting notes – April 12, 2024 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Solid Waste Management Plan Update Issues/Opportunities Discussion Questions Draft

Attachment 4: Public/Technical Advisory Committee Draft 2024 Work Plan

Attachment 5: Regional Waste Flows May 2024

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Friday, June 14, 2024
Regular Meeting
2:00 pm – 3:00 pm

Meeting Notes

Attendees: Director Craig Hodge (Vice-Chair), Brenda Martens, Brianne De Man, Doug Schell, Jamie Kaminski, Louise Schwarz, Matthew Morin, Michael Zarbl, Raman Johal, Sean Miles

Absent: Director Sarah Kirby-Yung (Chair), Alice Henry, Ben Liegey, Bill Chan, Christian Dietrich, Cody Irwin, Daniel Rotman, Grant Hankins, Hunter Bergen, Jake Turek, Jaye-Jay Berggren, John Doherty, Kevin Huang, Love-Ese Chile, Lyndsay Poaps, Sara Larter, Sue Maxwell, Tara Immell, Ulwiana Mehta-Malhotra, William Selten, Yasmin Abraham, Lori Bryan (IAC Chair)

Metro Vancouver Staff: Paul Henderson, Chris Allan, Adriana Velazquez, Karen Storry, Lynne Vidler, Brooke Atkinson, Stephanie Liu, Chris Clarke.

1.	**INTRODUCTIONS** • Meeting started at 2:04pm	Vice-Chair
	Welcome from the Vice-Chair • Vice-Chair Hodge welcomed Committee members • Informed that as this meeting is in-person, it will not be recorded or live-streamed. The meeting will be followed by the tour of the Waste-to-Energy Facility for those who are able to join • A new committee member was introduced, Sean Miles from the Binners' Project. Brianne De Man, previously representing the Binners' Project, is still on the committee but has moved to a new position as director of EMBERS Eastside Works.	
2.	**AGENDA** • Reviewed the June 14, 2024 meeting agenda.	Vice-Chair
3.	**MEETING NOTES – April 12, 2024** • Reviewed the April 12, 2024 meeting notes.	Vice-Chair
4.	**ACTION/STANDING ITEMS**	Vice-Chair

	4.1 Action tracker Metro Vancouver provided updates on the Action tracker. • The action item to schedule Engagement Panel to attend a future PTAC meeting is in-progress as staff have invited the Consultation and Engagement Panel members to be at the September 13, 2024 PTAC meeting to introduce themselves, their role, and work to date to support the engagement process of the solid waste management plan update. • The action item to have staff present the Bottom Ash use process at the Waste-to-Energy Facility along with the solid waste management plan monitoring process for the current plan to PTAC is complete • Staff outlined the bottom ash beneficial use process in the document posted online that replied to various inquiries from PTAC members. **4.2 Incoming/outgoing communication** Vice-Chair Hodge invited members to share if they have received any communications since the last meeting related to the solid waste management plan or their participation on PTAC. No communications were noted.	
5.	**PTAC MEMBER PRESENTATIONS**	
	Vice-Chair Hodge reminded members to let staff know if they are interested in presenting to the committee. Presentations should be five minutes maximum, can be a verbal presentation with or without supporting materials, and should be on a topic relevant to the committee's work plan or terms of reference. There can be up to two member presentations at the beginning of each meeting. Presentations will be spread out across subsequent meetings if more than two members are interested per meeting.	
6.	**WORKING GROUP UPDATES**	

	The working group chairs and their alternates provided verbal updates.
	• Louise Schwarz provided the update on behalf of Sue Maxwell for the Plastics Management working group
	  • The discussed areas of interest for focused topics would be Extended Producer Responsibility (EPR) programs as well as the circularity of plastics.
	• Louise Schwarz provided the update on behalf of Ben Liegey for the Food Waste and Organics Management working group
	  • The Food Waste and Organics working group has met three times and focused areas of discussion include prevention, reuse, recycling, food waste in the IC&I sector, and food waste policies and transparency.
		Louise Schwarz, Brenda Martens

	• The group has requested Metro Vancouver data on waste composition to see how much food waste Metro Vancouver facilities are receiving. This will help when providing suggestions and solutions to Metro Vancouver. • Brenda Martens provided the update for the Construction and Demolition (C&D) working group • The potential focus areas for this group could include: • Accountability and oversight of C&D waste • Facilitating markets for diverted C&D material • Salvaged and surpluses construction materials • Ways of managing C&D waste volumes and surges • Adoption of the Zero Waste Hierarchy for C&D	
	Solid Waste Management Plan Update Metro Vancouver provided information on the updated solid waste management plan update issues/opportunities discussion questions. These updates discussions questions can be used as a framework for the working groups focus area presentations at the November 21 presentation day.	Brooke Atkinson, Metro Vancouver
7.	**METRO VANCOUVER UPDATES**	
	7.1 Zero Waste Committee Updates Metro Vancouver provided updates on reports presented to the Zero Waste Committee at the June 13, 2024 meeting. Updates included: • Tipping Fee Bylaw Updates • Solid Waste Management Plan Draft Vision and Guiding Principles • Revised to incorporate feedback received • Draft vision and guiding principles for consideration by the Board • Manager's Report • Regional Food Recovery contract extension • Waste-to-Energy Facility Operations and Maintenance Contract • Renewal Development house moving event • Weigh scale software replacement/system launch	Paul Henderson, Metro Vancouver
	7.2 Disposal Ban Exemption Pilot Program Metro Vancouver provided a short update on the Disposal Ban Exemption Pilot Program. Updates include: • Current disposal ban program limited by its reliance on visual inspection – need additional measures to encourage recycling	Paul Henderson, Metro Vancouver

	• Metro Vancouver is developing a pilot to trial a hauler incentive program to increase recycling • Dillon Consulting helping to develop pilot program • Metro Vancouver will be reaching out to identify people for Dillon to interview to help develop program	
8.	**OTHER BUSINESS**	
	8.1 PTAC Recruitment for Additional Members Staff will begin a recruitment process for new members of PTAC in the next few months. Application information will be forwarded to members once it is posted, and all current PTAC members are encouraged to promote the recruitment process to their networks. Member discussion: • Members suggested reaching out to organizations like EMBERS, ACCESS, and Blade Runners and university students. **Action Item**: Metro Vancouver will send out a list of the sectors and indicate which ones are currently represented by PTAC membership and where the gaps are. Metro Vancouver will also send out a list of proposed organizations to reach out to for recruitment, for member comment.	Vice-Chair
	8.2 September PTAC Meeting Date Change – September 13 The previous September meeting date of September 26 has been changed to September 13. This will be an online meeting. Updated invitation has been sent to all members.	Vice-Chair
9.	**INFORMATION ITEMS**	
	9.1 Public/Technical Advisory Committee 2024 Work Plan **9.2 Regional Waste Flows May 2024**	
	ADJOURNMENT • Adjourned at 2:52pm	Vice-Chair

ZERO WASTE COMMITTEE AND PUBLIC TECHNICAL ADVISORY COMMITTEE

Public Presentations

Thursday, November 7, 2024
2:00 pm
Location: Hybrid (Zoom and Metro Vancouver Office)

AGENDA

Item	Speaker
Welcome and Introductions	Sarah Kirby-Yung, Zero Waste Committee and Public/Technical Advisory Committee Chair
Solid Waste Management Plan Overview	Sarah Kirby-Yung, Zero Waste Committee and Public/Technical Advisory Committee Chair
Presentation #1: online	InSinkErator Canada, and Whirlpool
Presentation #2: in person	VEMA Deconstruction
Presentation #3: online	Canadian Wood Waste Recycling Business Group
Presentation #4: in person	KIAM Consultancy Inc.
Presentation #5: online	ShareWares
Presentation #6: in person	Green-Stone Materials and Lock-Block Ltd.
10 minute recess	
Presentation #7: online	EcoSafe Zero Waste Inc.
Presentation #8: in person	Independent Contributor
Presentation #9: online	Envision Holdings
Presentation #10: online	Recycle BC
Presentation #11: online	Goatote
Presentation #12: online	Eco Green Granule Enterprises Inc.
Presentation #13: online	Urban Repurpose
Closing Remarks	Sarah Kirby-Yung, Zero Waste Committee and Public/Technical Advisory Committee Chair

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

Thursday, November 21, 2024
2:00 pm – 5:00 pm
In-person Meeting
Metro Vancouver Head Office Room 2912

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING MINUTES – September 13, 2024 (Attachment 1)
4. ACTION/STANDING ITEMS **4.1 Action tracker** (Attachment 2)
5. November 7, 2024 ZWC/PTAC Public Presentation Day Debrief
6. METRO VANCOUVER UPDATES
6.1 Solid Waste Management Plan Update – Idea Generation *For Information* Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services **6.2 Zero Waste Committee Updates** *For Information* Speaker: Paul Henderson, General Manager, Solid Waste Services
7. WORKING GROUP PRESENTATIONS **Plastics Management Working Group** Speaker: Members of Working Groups **Food Waste and Organics Working Group**

Speaker: Members of Working Groups **Construction and Demolition Working Group** Speaker: Members of Working Groups
BREAK
8. PTAC Additional Discussion on Solid Waste Management Plan Update – Idea Generation
9. OTHER BUSINESS
9.1 PTAC Potential Meeting Dates 2025 **9.2 PTAC New Members Update**
10. INFORMATION ITEMS **10.1 Public/Technical Advisory Committee 2024 Work Plan** (Attachment 3) **10.2 Regional Waste Flows 2024** (Attachment 4) **10.3 National Zero Waste Council and Metro Vancouver Respond to Competition Bureau's Public Consultation on the Competition Act's New Greenwashing Provision** (Attachment 5) **10.4 National Zero Waste Council and Metro Vancouver Respond to Innovation, Science and Economic Development Canada Consultation on Right-to-Repair Legislation** (Attachment 6)

Attachment 1: Draft Meeting Minutes – September 13, 2024 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Public/Technical Advisory Committee 2024 Work Plan

Attachment 4: Regional Waste Flows October 2024

Attachment 5: National Zero Waste Council and Metro Vancouver Respond to the Competition Bureau's Public Consultation on the Competition Act's New Greenwashing Provision (nzwc.ca)

Attachment 6: National Zero Waste Council and Metro Vancouver Respond to Innovation, Science and Economic Development Canada Consultation on Right-to-Repair Legislation (nzwc.ca)

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Thursday, November 21, 2024
In-Person Meeting
2:00 pm – 5:30 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung (Chair), Director Craig Hodge (Vice-Chair), Ben Liegey, Brianne De Man, Christian Dietrich, Cody Irwin, Louise Schwarz, Raman Johal, Sue Maxwell

Absent: Bill Chan, Brenda Martens, Daniel Rotman, Doug Schell, Grant Hankins, Hunter Bergen, Jake Turek, Jamie Kaminski, Jaye-Jay Berggren, John Doherty, Kevin Huang, Matthew Morin, Michael Zarbl, Sara Larter, Sean Miles, Tara Immell, Ulwiana Mehta-Malhorta, Lori Bryan (IAC Co-Chair)

Metro Vancouver Staff: Paul Henderson, Stephanie Liu, Chris Underwood, Terry Fulton, Brooke Atkinson, Karen Storry, Adriana Velazquez, Zack Ha

	INTRODUCTIONS • Meeting started at 2:00 pm	Chair
1.	**Welcome from the Chair** • Director Kirby-Yung welcomed Committee members • Territorial acknowledgement • Informed that this meeting is recorded and livestreamed and that video and audio footage from the meeting will be posted on the PTAC website after the meeting. There is no zoom option for this meeting.	Chair
2.	**AGENDA** • Reviewed the November 21, 2024 meeting agenda.	Chair
3.	**MEETING NOTES – September 13, 2024** • Reviewed the September 13, 2024 meeting notes and members did not note any errors or omissions.	Chair
4.	**ACTION/STANDING ITEMS**	
	4.1 Action tracker **Action items from previous meetings:** Metro Vancouver provided updates on the progress of items in the action tracker. There is one in-progress item left on the 2024 Action Tracker, and one completed item:	Brooke Atkinson, Metro Vancouver

	• Metro Vancouver to share lessons learned from innovative Metro Vancouver repair and reuse initiatives with PTAC (expected to be completed in 2025) • A completed action item included addressing an inquiry raised at the September 13, 2024 meeting regarding different disposal costs. Staff included information about the inquiry in the September 5, 2024 Zero Waste Committee Agenda	
5.	**NOVEMBER 7, 2024 ZWC/PTAC PUBLIC PRESENTATION DAY DEBRIEF**	
	A quick summary of the Public Presentation Day on November 7, 2024 was provided: • 13 public presentations were provided to the Zero Waste Committee and PTAC, by representatives of a variety of different industries and organizations PTAC members' feedback on Public Presentation Day: • PTAC members found most of the public presentations to be informative. • Members generally agree that this is a good opportunity to: ▪ Scan for ideas and innovations from businesses and non-profit organizations ▪ Understand barriers that Metro Vancouver could help address ▪ Complement input for the solid waste management plan update • However, a concern was raised that receiving presentations purely promoting commercial interests does not align with the role of PTAC. Accordingly, updated guidelines for future Public Presentation Days should be considered. Chair Kirby-Yung asked members if there is an interest in receiving a presentation from the Indigenous Zero Waste Technical Advisory Group (IZWTAG) at a future meeting. IZWTAG is an Indigenous-run non-profit society, and a presentation from them could help incorporate Indigenous perspectives and knowledge into the plan update. No members objected or had any concerns with the proposed presentation.	Chair and member discussion
6.	**METRO VANCOUVER UPDATES**	
	6.1 Solid Waste Management Plan Update – Technical Studies and Timeline Update Terry Fulton, Senior Project Engineer, Sold Waste Services, provided an update about the solid waste management plan process, including next steps: • Share the draft evaluation criteria and goals with PTAC • Report on idea generation engagement • Initiate options analysis phase • The updated plan is estimated to be drafted in 2026 **6.2 Zero Waste Committee Updates**	Terry Fulton

	Paul Henderson, General Manager, Solid Waste Services, provided an update on recent discussions and activities of the Zero Waste Committee and highlighted: • Construction and Demolition Waste Reduction Forum: expected to be scheduled for May 2025 • Engagement Panel Updated Terms of Reference and plans to initiate recruitment of additional members • Industry Advisory Committee Feedback Summary Report - summary of input from the Industry Advisory Committee in 2024 • Manager's Report: ▪ Binners' Project Coffee Cup Revolution ▪ Reuse Research Reports	Paul Henderson
7.	**WORKING GROUP PRESENTATIONS**	
	Plastics Management Working Group Chair Sue Maxwell and the members of Plastics Management Working Group provided a presentation that is posted on the committee website. There is a supplementary document that provides a summary of the Plastics Management Working Group included as Attachment 1. Member discussion: • A comment was raised about challenges with recycling film plastics. ▪ The working group did not categorize plastic waste by flexible vs hard, but rather by what is going to garbage instead of being recycled or reused. ▪ Solutions could be defining what film plastics are within the waste composition studies that Metro Vancouver holds. • A PTAC member asked the working group what a potential suggestion from the group would be to address the challenges of EPR (eco-modulated fees, internalization of external fees). ▪ Suggestion of potentially framing them as incentives (i.e. discounts) rather than fees. Make sure producers are ultimately financially responsible. ▪ Recycle BC does not currently collect flexible plastics from all homes, but Recycle BC is planning to include flexible plastics in their program over the next two to three years within the province. • Large potential impact on food waste reduction in the food service sector by reducing plastic waste. Also potential quick-win by using reusables for dine-in. **Food Waste and Organics Working Group** Chair Ben Liegey and the members of Food Waste and Organics Working Group provided a presentation that is posted on the committee website. Member discussion: • A question was raised about the capacity for rescuing food (number of organizations to support) and capacity for local organics processing.	Working Group Members

- The number of non-profit organizations is growing, and they have been doing very well. The issue is more on the business side, where more education is needed to encourage businesses to donate food and the pricing of processing food waste need to be considered.
- There are not many organics processing facilities in the region, but discussions are underway with most of the municipalities on ways to improve the availability of local infrastructure and promote participation in organics programs.

Construction and Demolition Working Group

Chair Brenda Martens and members of Construction and Demolition Working Group provided a presentation that is posted on the committee website. There is a supplementary document that provides a summary of the Construction and Demolition Working Group included as Attachment 2.

Member discussion:

- Member commented how building with deconstruction in mind is key from the working groups suggestions.
  - Brussels: example of houses being built using individual, replaceable components to more easily facilitate deconstruction rather than requiring entire buildings to be demolished and rebuilt.
- Working group member commented that a report from World Business Council for Sustainable Development and a report on embodied carbon for buildings (Community Energy Association) were used as information for this presentation.
- Comment that there is an opportunity to create a marketplace to sell surplus construction materials, could be done similar to food recovery network. (FoodMesh)
- With the proposed 'build nothing' concept, need to be careful with the language since there is a housing issue in the region and build nothing could be misinterpreted to counteract the need to develop more housing.
  - Working group members clarified that 'build nothing' means identify what is required (e.g. more housing), and first assessing whether there are already buildings that can be used or repurposed to fill the need, rather than building new.
- Challenge for deconstruction is the coordination of logistics, timing, and space. How could we tackle that challenge?
  - View deconstruction of buildings as a utility, what is needed? It is land to store the materials.
  - San Fransisco example of using the space beneath the freeways to store deconstruction materials was mentioned. Government supported using that land space for storage of deconstructed materials as it was considered necessary.
- There is a lack of knowledge among contractors about what deconstruction could look like. Some municipalities have bylaws requiring deconstruction, but more education is needed.

	• The construction and demolition waste reduction forum coming up in spring 2025 will be a good place to discuss how to advance these initiatives in more municipalities.	
8.	**PTAC ADDITIONAL DISCUSSION ON SOLID WASTE MANAGEMENT PLAN UPDATE – IDEA GENERATION**	
	All working group presentation recordings and supplementary documents will be posted on the committee website after the meeting. If there is any additional feedback that was not captured at this meeting, the feedback could be emailed to zerowaste@metrovancouver.org by December 13, 2024.	Brooke Atkinson
9.	**OTHER BUSINESS**	
	9.1 PTAC Potential Meeting Dates 2025 o Proposed meeting five times in 2025 o Potential meeting months were shared o Meeting invitations for the year will be sent out in early 2025 **9.2 PTAC New Members Update** o Application period closed end of September o Staff and the Engagement Panel have reviewed applications o Recommended members will be presented to the Zero Waste Committee and Board in early 2025	Chair
10.	**INFORMATION ITEMS**	
	10.1 Public/Technical Advisory Committee 2024 Work Plan **10.2 Regional Waste Flows 2024** **10.3 National Zero Waste Council and Metro Vancouver Respond to Competition Bureau's Public Consultation on the Competition Act's New Greenwashing Provision** **10.4 National Zero Waste Council and Metro Vancouver Respond to Innovation, Science and Economic Development Canada Consultation on Right-to-Repair Legislation**	Chair
11.	**ADJOURNMENT** • Adjourned at 3:50 pm	Chair

Attachment 1: Metro Vancouver Public Technical/Advisory Committee - Plastics Management Working Group Recommendations
Attachment 2: Metro Vancouver Public/Technical Advisory Committee – Construction and Demolition Working Group Recommendations

The following document was submitted by the Public/Technical Advisory Committee Plastics Working Group. These recommendations represent the range of diverse perspectives among the working group members. As a result, there are some points presented that do not have consensus among all members.

Metro Vancouver Public Technical Advisory Committee -Plastics Working Group Recommendations

These recommendations were developed over a series of monthly meetings. The aim was to provide general direction and allow Metro Vancouver staff to further develop actions as early ones are completed given the ten-year length of the plan. The intent is to have staff continue to work on the areas until the targets are met rather than ticking off the early steps and considering it sufficient. With the direction, it is hoped that Metro Vancouver will endeavour to implement the actions and work in that general direction, whether it is by implementing actions that it can take directly, working with its member municipalities to have them take actions, working with partner organizations or advocating for change with other governments.

1. Rethink and prevent waste in the first place?

Pursue Zero Waste

- Adopt the Zero Waste Hierarchy as the underpinning framework
- Set waste reduction and collection targets including interim goals (report back to public on these regularly with communications campaigns)
- Invest in zero waste actions with most of the savings from closing the incinerator (note concern was raised that the district energy system was locking Metro Vancouver into long term use of the incinerator and a question about the timing)
- Use public procurement/METRO procurement to support ZW (for example. do not purchase problematic plastics; choose reuse, maintain, repair, quality) and encourage other organizations to do the same. Support the keen innovators that are delivering the services in the way that is the model. Use a tool to support end markets. Consider allying with others int eh public sector like post-secondary institutes.

Advocate

- Provide input to all feedback opportunities (EPR, BC, fed, etc.) and develop some clear ZW principles to guide this feedback.
- Apply a higher standard to public entities in all aspects of Zero Waste initiatives. Trust needs to be earned in order to achieve Zero Waste. Consider transparent measures and metrics.
- Push for a strong global plastics treaty and federal policy on waste; plus quick implementation of Zero Plastic Waste Strategy
- Support federal P2 notice for grocery stores and develop strategy to support it locally. Ensure monitoring and reporting back are parts of the system.
- Support federal and provincial tools that support the first 3 Rs of the ZW hierarchy and EPR
- Work with the province to eliminate the need to have provincial approval on municipal bylaws relating to environmental protection (consider if there is no blanket allowance, work to have key sets of policy pre-

approved the way SUP policy, empowering municipalities to pilot items, make a suite of options available that can be harmonized)

- Look at what the next set of SUI bans should be -work with munis/prov/fed (e.g plastic teabags, cigarette butts, hotel amenities,etc.)
- Push for better design for plastics used and eliminating use of unnecessary + problematic plastics and additives with Fed/Prov. Discourage use of biodegradable and compostable plastics
- Push for right to repair, mandatory repair options for key items (ties into inclusive)
- Work collectively with RDs/Prov/Fed on what changes are needed regarding policies that support wasting - liability (for reuse/repair) and insurance (requirements to throw away everything after a disaster)
- Consider partnering with post-secondary institutes on what education and services can be offered (e.g. repair). Also advocating to ensure any barriers such as liability are addressed.

Reduce

- Continue to support active transport, public transport and shared transport over single occupancy vehicles (to decrease need for SOV). Also support shared options in high traffic areas.
- Support packaging free items at farmers markets and elsewhere
- Support reusable menstrual solutions instead of single use

Create and Support Sharing Networks

- Expand the roles of libraries or set up new ones for specific items. Develop model policy and practices for tool libraries, toy libraries, kitchen gadgets, etc. Support with communications. Do this in partnership with municipalities. (ties into inclusive)
- Support neighbourhood sharing networks + supporting other sharing systems (Tool Library, Thingery) + strata sharing programs. (ties into inclusive)
- Consider partnering with post-secondary institutes to support sharing networks and also consider them as a source of sharing (space for community events for example)
- Map out assets that can be shared -community reuse, repair and sharing (Squamish is working on it, Share Reuse Repair has some for the Lower Mainland and Portland, OR is a good example.)

Make Reuse, Maintain and Repair the Norm

- Expand and make regular pilots like the Urban Repurpose resale store is allowed to do @ North Shore Transfer Station -"intercept" people throwing away usable items. Expand it to staff taking reusable items as another category as a permanent feature.
- Encouraging reuse at universities, schools, hospitals, publicly funded organizations and other sectors. Work with education facilities to expand systems like UBC's mindful moveout (will need support, perhaps case study, funding, tool kit, coalition -group). Encourage healthcare to move to reusables, share info on progress and examples (for example glove use, exam table covers, reusable masks). Work with tourism sector to offer reusable bags, beverage containers, etc. in rooms and develop shared campaign for tourists to travel lighter (footprint); refillable amenities. Collaborate with public sector partners to determine and address barriers.
- Encourage the use of reusable diapers (consider equity lens) long term
- Develop and support a network for reuse of CRD materials (could include setting aside land); deconstruction principles, policies & programs, linked to C&D working group. Partner with others to develop a supply of reusable materials that can then lead to requirements in RFPs for a certain % use of materials.
- Invest in reuse solutions and pilots (more drop off infrastructure, reuse first at regional facilities by providing separate areas for working/reusable items to be placed
- Support repair of items; more repair cafes, online connections to repair manuals, possible maker spaces for parts. (ties into inclusive)
- Support maintenance of items

Support for Reusables in Food Services

- Address single use items systemically (not just to move from plastic)
- Develop metro-wide connected reuse programs for foodservice/beverage takeout ware
- Develop + support model bylaw to require reusables for dine in settings (Banff, Victoria -pending)
- Require adequate dishwasher capacity for new foodservice permits (work with municipalities or develop model)
- Consider a campaign to encourage enjoying the coffee or meal (dine in, not fast eating)
- Develop standards for foodservice ware so can harmonize systems
- Explore ways to reduce single use items distributed through drive throughs
- Developing systems to support reusables in cafeterias, food courts and catering

Tackle Textiles

- Continue and expand the Think Thrice Campaign/encourage circularity in clothing
- Support a textiles hub group to determine gaps and plan for collective actions

Education and Communications

- Provide MF settings comprehensive tools and support for implementing waste reduction and diversion
- Consider educating the public on how to consume more wisely (chemicals to be concerned about, footprint of products, how to assess quality and what a lifetime cost may be, sharing consumer reports through libraries, etc
- Work with RCBC to develop a comprehensive directory for where to borrow, share, rent rarely used items. Also repair options.
- Map out what plastics reduction campaigns are needed
- Campaign to reduce bottled water use -public fountains, not for sale in Metro Vancouver + municipality facilities and those getting public funding, map where they are (ties to equity), provide water wagons at events. Look for partners (post-secondary is good sector to approach) -work has been done, see what gaps exist both in the programming and in the public's awareness of these options/campaigns (ties into inclusive)
- Increase access to public zero waste education through outreach events similar to the City of Vancouver Zero Waste Days
- Learning from partners experience

2. Enhance accountability for eliminating waste?

Improve EPR

- Work to improve the quality of the EPR system-particularly with regard to using the ZW hierarchy to support **redesign, reduction, reuse, repair, salvage** for parts, longer lifespans and durability, better end fates for materials; etc.; fair compensation and paying full costs; accessibility; transparency (chain of custody, financial, contracting); communications
  (can include advocacy, waste composition data, bans, supporting the MOECCS staff, etc.) (ties into inclusive)
- Work to expand the range of EPR programs to include cigarettes/smoking devices, carpet, vehicles, textiles and all consumer products (can include advocacy, waste composition data, bans, supporting the MOECCS staff, etc)
- Advocate for increased deposit rates for beverage containers until return rate is 99%, also ask province to ensure programs develop a reusables system (as is in Recycling Regulation)
- Push for EPR programs to have ecomodulated fees (for textiles -factor in the challenges of recycling mixed materials, for plastics, factor in harms from plastics) (e.g. France)
- Work to improve EPR programs with an equity lens (can people keep using the item they already have, will parts and repair be made available for free or at an affordable level, will reuse options support access to lower cost items, can people access recycling options (even without a vehicle), etc.)
- Push for accountability for producers (e.g. Quebec has fines for non-collection)
- Ask for the additional supportive policies (as noted in the CCME Canada-wide Action Plan for EPR)
- Consider an equity lens and environmental impact when advocating on EPR

Business Accountability

- Encourage requirements for zero waste plans as part of business licensing in member municipalities + provide support (can start sector by sector)
- Increase PAYT and the cost differential + do not discount for larger volumes
- Develop systems to provide feedback to generators (collectively as a community as well as to individual generators)
- Use tipping fees as a tool so that poor sorters and high-volume generators pay more.

Hauler Accountability

- Step up inspections and enforcement to all loads
- Work collaboratively with haulers to gather better data and play a role in educating customers.
- Consider accountability and transparency measures, both for Metro Vancouver and for customers of haulers who may not be getting the services they are paying for (noted example of recycling being mixed in with waste when taken away)

System Accountability

- Report on full environmental and GHG footprint of waste (by type of disposal if possible)
- Support restrictions on plastic waste exports to countries that do not have proper recycling and disposal infrastructure to meet emerging international plastic recycling standards, nor equivalent health, safety and environmental standards
- Waste composition studies -include the degree of reusability (note that there may be some option in plastics registry) +more data on reuse and repair overall + why + value
- Support better labelling so consumers know if it can be recycled
- Accountability for all businesses; public sector should set a leading example
- Eliminate hard to recycle plastics
- Get commitments from member municipalities to roll out supportive bylaws and systems
- Support digital passports for materials
- Do not support mixing materials (i.e putting plastic in cement) that makes it hard and unpredictable to recycle at the next round
- Consider plastic leaking into liquid waste -education campaign, consider sources, encourage filters on washing machines, natural fibre use, glass use, etc. Partner with plastics, river, fish and ocean focused groups

3. Leverage knowledge and expertise through collaboration?

- Educate and share information regarding the negative health and side effects from micro plastics, etc.
- Use the NZWC as a way to develop model policy and work federally/provincially to have them enacted (like ZW Europe does)
- Use NZWC and other avenues to build collective support for key goals and actions at provincial and federal levels
- Use the ZW Conference as a way to workshop and build support for local solutions and ideas, creating task forces for key policies
- Work to develop relationships with potential partners and develop teams and collaborations for projects as much as possible (for example, convene meetings of community, government and other partners to focus on textiles).
- Collaboration can allow access to other funding opportunities plus social benefits
- Invite partnership with local First Nations to learn from perspectives and ways of doing things that use less resources (ties into inclusive)
- Metro Van staff to participate in initiatives that support redesign/rethink, reduce and reuse
- Partner with entrepreneur innovators to build the momentum and capacity
- Have an ongoing PTAC to advise on implementation (continuity and public oversight)

4. Increase participation and reduce contamination in organics and recycling programs?

- Mandate streams for source separation collection for all MF + ICI settings
- Support a strong BC system for ICI PPP -including EPR (might be more finely tailored by sector according to the materials generated)
- Supporting MF buildings to have strong sorting and collection systems (Strata organizations better recycling performance, good contracts for service of buildings + property management companies)-connecting people with the information
- Work with munis and EPR programs to have multi-stream streetscape containers as the norm. Ensure Province is enforcing Recycling Regulation.
- Advocate for home recycling for film plastics (plus Styrofoam and glass)
- Mandate multi-stream collection for all Construction, Reno, Demo settings (focus on the service providers rather than the project owners, can also be in RFP for services)
- Provide ICI settings comprehensive tools and support/coaching for implementing waste reduction and diversion (e.g. Lethbridge, Squamish)

5. Build confidence in recycling systems?

- Recycling end market traceability for commercial sector recycling. Use smart trackers to ensure clarity on where discard streams go, share data to improve public confidence in system
- Provide feedback to citizens/businesses on results to show transparency, foster trust, encourage action (high level data)

6. Develop more inclusive programs and services?

- SUI reduction/education for small ethnocultural businesses and suppliers of food service ware
- Campaigns in key languages for region
- Collaborate with diverse communities to support campaigns (meeting communities where they are)

7. Improve infrastructure and systems for waste management across the region?

- Encourage local circularity of plastic resins
- Ensure large item-pick-up items collected are "graded" for reuse opportunities. Like by Urban Repurpose at their North Shore pick-up/free give-away days. Recycled content requirements
- Support MV-wide civic litter pick up twice a year but gather and share data from it -like a brand audit
  Continue to waive disposal fees for community clean up materials (in partnership with municipalities and groups) + develop a support program
- Close the incinerator, focus on waste reduction instead, use the land to host a reuse facility for CRD (Michael flagged)
- Enact a policy that does not support gasification, plasmification, pyrolysis, chemical recycling to fuel, cement kilns, and other destructive methods of handling waste. Ensure no Metro Vancouver waste goes to these facilities, and no funding support. (Michael flagged)
- Need a facility to process the auto shredder fluff to recycle more materials (ties to EPR as well)

Attachment 2

The following document was submitted by the Public/Technical Advisory Committee Construction and Demolition Working Group. These recommendations represent the range of diverse perspectives among the working group members. As a result, there are some points presented that do not have consensus among all members.

Metro Vancouver Public/Technical Advisory Committee – Construction and Demolition Working Group Recommendations

	Accountability and oversight of C&D Waste	**Facilitate markets for diverted goods**	**Managing waste volumes and surges**	**Adoption of zero waste hierarchy**
Avoid waste generation	• Connect projects to haulers (protect haulers and receiver confidential information such as customer base) to receivers (as per SF example), can use Green Halo platform https://www.greenhalosystems.com/ • Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party • Common confidential database so that we can measure reductions/increases - independent industry platform.	• Embed the Zero Waste Hierarchy and C&D waste/embodied carbon hierarchy in Metro Van's procurement and policies - include sourcing used/salvaged materials where possible. Encourage other organizations to do the same. (this can be part of creating end markets) • Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party	• Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party • Public awareness campaign regarding land use change waste. • Work with organizations that make decisions that increase waste during disasters to make waste minimization also a priority (i.e. insurance companies, etc). • Work with building and design industry and policy makers to adopt the ZW/embodied energy hierarchy as the guidance for building sector	• Review policies and publications for language that "assumes" waste generation. For example revise "demolition" to "building removal" and "construction waste" to "construction excess resources" • Have a pollution hierarchy such that pollution prevention is not undertaken at one level unless all feasible options for pollution prevention at a higher level have been taken • Require DfD/A, salvage reuse and recycled content in all MV's own building and infrastructure procurement. • Push for building codes to consider disassembly, repair, flexibility of use, deconstruction and embodied carbon • Adopt the ZW hierarchy as the guide and encourage others to do so as well • Support capacity building (education) in the industry • Produce and distribute specification templates for circular building procurement • Encourage Product design for modularity, reuse recycle (according to pollution hierarchy)

Recycle / recover materials	• consult on licensing (permitting) and regulating haulers (as per SF) • Incentivize source separation • Annual reporting out by industry stakeholders by third party auditor • Have collection of reusable items at disposal locations as per North Van pilot, but permanent (Whistler as example https://mywcss.org/social-enterprises/re-use-it-centre/)	• Set up systems to address costs of material storage (can be using public land, providing support or other tools) • Streamline regulation system to foster increased use of salvaged/diverted materials • Work with province, academia and NGOs to develop a model for wood waste that determines what assets exist and what are needed to create an ecosystem that can handle all kinds of wood and use it to the highest and best purposes (like King County). Use NZWC or other systems to build regional partnership. • Virtual Marketplace Platform (RHEAPLY), provides important tools; public marketplace for businesses; asset management for those large inventory holders for their stock - Like 'house moving storage' for example	• Framework developed where products that cannot be reused or recycled have an environmental fee	• Pollution Hierarchy 1. reduce environment impact by producing the product by eliminating toxic components and increase energy efficiency; 2. redesign to improve reusability or recyclability; 3. reuse the product, 4. recycle the product • Work with the province and other partners to have EPR for C&D materials

		• Industry to develop their strategy in reduce/reuse targets with guidance from govt. eg. defining "highest use"		
Reduce / reuse	• "Hyper-regulate" (look at new term, effective regulation) mixed waste / commingled, standardized communication • Have significant deterrents for projects, haulers and receiving facilities that misreport their recycling/waste • Ensure enforcement of existing regulations • https://www.recyclingcertification.org/ to ensure recycling / recovery is taking place	• Open land uses to recycling (may be residual waste)		• Similar to the above - adopt a pollution hierarchy and framed in the regulation as a guiding principle • Phase out incineration of all materials including C&D. Work to recover materials instead. • Create a municipal template and toolkit for building removal bylaws that include house moving and deconstruction
Misc.	• Work with Fraser Valley RD to jointly research 2-3 combined heat and power plants for lower mainland	• Note: The pollution hierarchy as outlined in the column of Adoption of Zero Waste applies to the other 3 columns (i.e. accountability, managing waste volume)	• Start to regulate out the use of materials that can't be reused or recycled. Phase out problematic materials	

Accountability and oversight of C&D waste

- Tracking generators, haulers and receivers
- Licensing and permits
- Capacity tracking (receivers)
- Audits and certifications
- Collecting good data and 'leakage' out of region
- Contaminated soil?

Facilitate markets for diverted, salvaged/surplus construction materials

- Procurement for waste management/salvaged materials – MV template for managing site and building materials
- Address costs of material storage
- Create certainty in the marketplace of both supply and demand
- Facilitate land for receiving facility use (recycling, reuse, etc.) with industrial rezoning and cost reductions
- Create an environment to create more processing capacity
- Create business opportunities for C&D waste with established partners/problem solvers
- Remove regulatory barriers for processors and end user

Managing waste volume and surges

- Natural disasters
- Prevention of C&D waste due to affordable housing policy and other changes in land uses.
- End use management – capacity under current 'onerous' requirements
- Building removal options, support hierarchy
- Renovation and retrofit vs new build

Adoption of Zero Waste Hierarchy

- Tie waste into values and priorities (practicality, cost, circularity, carbon and climate change)
- Design for Disassembly/Adaptability
- Extended Producer Responsibility for C&D
- Influence policies on end uses (such as wood pellets)
- Examine incineration

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

Friday, September 13, 2024
3:00 pm – 5:30 pm
Online Meeting

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING NOTES – June 14, 2024 (Attachment 1)
4. ACTION/STANDING ITEMS **4.1 Action tracker** (Attachment 2) **4.2 Incoming/outgoing communication**
5. INDEPENDENT CONSULTATION AND ENGAGEMENT PANEL PRESENTATION (Attachment 3 and 4) Speakers: Andrea Reimer, Director Kirby-Yung, Veronika Bylicki, Cheryl Brooks
6. PTAC MEMBER PRESENTATIONS (5 Minutes) **6.1 Zero Waste BC** Speaker: Sue Maxwell
7. WORKING GROUP UPDATES *For Information* Speaker: Chairs of Working Groups
8. METRO VANCOUVER UPDATES
8.1 Progress Update on Solid Waste Management Plan Timeline *For Information* Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

8.2 Solid Waste Management Plan Update - Performance Metrics Update
For Input (Breakout Groups)
Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services and Lindsay Seidel-Wassenaar, Project Lead, Sonnevera

8.3 Metro Vancouver Updates
Zero Waste Committee and Organics Procurement Updates
For Information
Speaker: Paul Henderson, General Manager, Solid Waste Services

9. OTHER BUSINESS

9.1 Public Presentation Day to PTAC and Zero Waste Committee – November 7
For Information
Speaker: Chair Kirby-Yung

9.2 November 21 PTAC Presentation Day – Discussion on Format
For Input
Speaker: Chair Kirby-Yung

9.3 PTAC Recruitment for New Members – Open Until September 27
For Input
Speaker: Chair Kirby-Yung

10. INFORMATION ITEMS
10.1 Public/Technical Advisory Committee 2024 Work Plan (Attachment 5)
10.2 Regional Waste Flows August 2024 (Attachment 6)

Attachment 1: Draft Meeting notes – June 14, 2024 – Solid Waste Management Plan Public/Technical Advisory Committee
Attachment 2: Action Tracker
Attachment 3: Independent Consultation and Engagement Panel – Terms of Reference
Attachment 4: Independent Consultation and Engagement Panel – Member Biographies
Attachment 5: Public/Technical Advisory Committee 2024 Work Plan
Attachment 6: Regional Waste Flows August 2024

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Friday, September 13, 2024
Zoom Meeting
3:00 pm – 5:30 pm

Meeting Minutes

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Ben Liegey, Bill Chan, Brenda Martens, Brianne De Man, Christian Dietrich, Cody Irwin, Doug Schell, Louise Schwarz, Matthew Morin, Michael Zarbl, Sue Maxwell, Sean Miles, Ulwiana Mehta-Malhotra, William Selten,

Absent:
Daniel Rotman, Grant Hankins, Hunter Bergen, Jaye-Jay Berggren, Jake Turek, Jamie Kaminski, John Doherty, Kevin Huang, Lori Bryan, Lyndsay Poaps, Raman Johal, Sara Larter, Tara Immell, Yasmin Abraham.

Metro Vancouver Staff: Paul Henderson, Stephanie Liu, Samantha Joy, Chris Clarke, Terry Fulton, Adriana Velazquez, Zeenia Mizan, Zack Ha

1.	**INTRODUCTIONS** • Meeting started at 3:03 pm	Chair
	Welcome from the Chair • Director Kirby-Yung welcomed Committee members • Territorial acknowledgement • Informed that this meeting is streamed on the PTAC website, and that video and audio footage from the meeting will be collected	Chair
2.	**AGENDA** • Reviewed the September 13, 2024 meeting agenda.	Chair
3.	**MEETING NOTES – June 14, 2024** • Reviewed the June 14, 2024 meeting notes.	Chair
4.	**ACTION/STANDING ITEMS**	
	4.1 Action tracker **Action items from previous meetings:** Metro Vancouver provided updates on progress on items in the Action tracker.	Brooke Atkinson, Metro Vancouver

	• The action item related to Engagement Panel attendance at a PTAC meeting will be complete today, as Engagement Panel members are in attendance today. • The action item related to presenting a timeline for the solid waste management plan update will be complete today • The action item related to bottom ash use and solid waste management plan monitoring is complete, as the information was provided to the committee by email in May and is also included on the PTAC web page under "Additional Information". **4.2 Incoming/outgoing communication** • No incoming/outgoing communication was shared by members	
5.	**INDEPENDENT CONSULTATION AND ENGAGEMENT PANEL PRESENTATION**	
	A verbal presentation was delivered by the Chair of Solid Waste Management Plan Independent Consultation and Engagement Panel (panel), about the panel's role and work to date, including some overarching themes and challenges related to engagement that have been identified and are working towards addressing. Member discussion: • Positive feedback on the work of the panel • How to ensure the large volume of feedback/information collected from all intended audience and are reflected accurately in decision making •	Andrea Reimer
6.	**PTAC MEMBER PRESENTATIONS**	
	6.1 Zero Waste BC PTAC Member Sue Maxwell did a presentation titled "Metro Vancouver Zero Waste Public/Technical Advisory Committee Case Study" conducted by Zero Waste BC on the Waste-to-Energy Facility and the solid waste management system in the Metro Vancouver region. Member discussion: • Discussed source of data from Zero Waste BC • Question was raised related to greenhouse gas emission data source and calculation • Metro Vancouver staff noted that they are working on a source reduction incentive program to work with haulers and processors to encourage recycling and waste reduction at the source • A member noted that a waste reduction plan is most important, as well as assessing costs of waste reduction. In the meantime, what are the alternatives to the Waste-to-Energy Facility? Suggestion was that moving	Sue Maxwell

	waste to landfill was not the solution, but focusing on waste reduction and recycling should be the focus • Comment was raised on how the zero waste framework includes community involvement and underrepresented groups to be engaged on waste reduction efforts • Concern was expressed on the message of the case study supporting Waste-to-Energy Facility closing-down given the importance of maintaining all options for managing residuals for the region.	
7.	**WORKING GROUP UPDATES**	
	The working group chairs provided verbal updates. Plastic Management working group: • The latest focus of discussion was on plastics reduction and reuse • The group has drafted a list of recommendations organized by the Zero Waste Hierarchy, and will fine tune the list in the next meeting on Monday September 16 Food Waste and Organics working group: The group has discussed at recent meetings: • Review and analysis of existing food waste data • The need for solutions across the food supply chain • Different organics recycling options • The need for tracking and reporting of sustainable development goals • The climate impact of food waste • The food industry upstream chain: farming, manufacturing, processing, and storing Construction and Demolition working group: The group has discussed at recent meetings: • Accountability and oversight of C&D waste • Facilitating markets for diverted goods • Managing waste volume and surges • The adoption of the Zero Waste hierarchy The group's next meeting will take place in early October.	Sue Maxwell Ben Liegey Brenda Martens
8.	**METRO VANCOUVER UPDATES**	
	8.1 Progress Update on Solid Waste Management Plan Timeline Metro Vancouver provided updates on approval process and components, including: • Process to get to a draft plan, and committee involvement at specific stages • Supporting work	Terry Fulton, Metro Vancouver

	8.2 Solid Waste Management Plan Update - Performance Metrics Update Metro Vancouver provided updates on Performance Metrics including: • Developing goals and targets for an updated plan • Performance metric study conducted to support the Solid Waste Management Plan Update • Example metrics used in other jurisdictions, as identified during interviews • Considerations for determining which metrics would be applicable for an updated solid waste management plan Members breakout discussion: See Attachment 1	Terry Fulton, Metro Vancouver Lyndsay, Stantec
	8.3 Metro Vancouver Updates **Zero Waste Committee and Organics Procurement Updates** Metro Vancouver provided updates on: • September Zero Waste Committee agenda items • Organics management/capacity	Paul Henderson, Metro Vancouver
9.	**OTHER BUSINESS**	
	9.1 Public Presentation Day to PTAC and Zero Waste Committee – November 7, 2 – 5 pm • Meeting format: hybrid – PTAC members may attend either in person at Metro Vancouver head office or online • Meeting will be livestreamed and recorded for posting on Metro Vancouver website • Presentations related to all aspects of solid waste management in the region will be welcome, with particular focus on idea generation	Chair
	9.2 November 21 PTAC Presentation Day – Discussion on Format • Meeting format: in person, at Metro Vancouver Head Office • Observers are welcome at the meeting	Chair
	9.3 PTAC Recruitment for New Members – Open Until September 27 • Applications will be reviewed by Metro Vancouver staff • The Consultation and Engagement Panel will review staff recommendations for new members • Recommendations will be presented to the Zero Waste Committee and GVS&DD Board for consideration – any new members require approval by the Board • Current PTAC members don't need to re-apply • Staff will follow up after the meeting with a question raised earlier by Matthew Morin about recycling and reuse in communities	Chair

10.	**INFORMATION ITEMS** **10.1 Public/Technical Advisory Committee 2024 Work Plan** **10.2 Regional Waste Flows August 2024**	Chair
8.	**ADJOURNMENT** • Adjourned at 5:11 pm	Chair

ATTACHMENT 1: Solid Waste Management Plan Update - Performance Metrics Breakout Group Discussion Summary

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Key Topic Discussion Feedback Summary – September 13, 2024

At the September 13, 2024 Public/Technical Advisory Committee meeting, committee members in breakout groups provided input on the performance metrics study. This study was presented by Stantec and it is being used to support the solid waste management plan update.

The question that each breakout group discussed was:

What else do you think should be considered to develop the applicability criteria for the performance metrics?

A summary of feedback from the breakout groups is presented below:

Theme	Feedback
Reference source	• Consider global best practices in assessment of criteria (e.g., comparative analysis of best technologies and effectiveness re: incinerators, landfills, transfer stations and all avenues up and down the hierarchy) • Get inspiration from other countries • Get examples of metrics currently in use by more successful regions/municipalities globally
Metrics and considerations	• Consumption-based emissions metrics • Sustainable development goals (SDGs) • An exhaustive list of metrics is good, but we should finalize a dashboard of 10 key progress indicators which are priority – more manageable and useful • Tonnage per population is a key metric • Track contamination for organics and contamination in general • Track accessibility metrics • Public engagement metrics, such as number of partnerships. Metrics that show community support and collaboration • Greenhouse gas emissions targets – Alignment with Regional Priorities based on Board Strategic Plan • Cost – consider the costs of increasing reduction targets for waste diversion; economic implications; relatable to E&I community-based metrics • Metrics should be showing what we are aiming to achieve • Consider community-based projects in measurements • Show and track metrics for roadblocks (what is preventing achieving goals) • Metrics around circular purchasing (procurement)

Terms / definitions / detail of measurement	• Caution is needed when using the term "reuse" (when speaking about food waste) • Better clarity is needed on the tonnage destined for the incinerator • More transparency is needed on the composition of the waste to find out how much of it is actual organic materials, which should be calculated in a different waste stream for accuracy's sake • Recovery and Residuals Management: need a breakdown of waste types destined for each landfill within Metro Vancouver • Measure volume as well as tonnage from each community destined for landfills (to help record miles driven and greenhouse gas emissions generated because of this)
Localization	• Smaller transfer sites to employ people, located within areas so tonnage can be better accounted for by community/locale • More local sorting options instead of large facilities to stimulate local action • More localized community engagement
Other:	• Take this opportunity to promote simple actions consume less fast food, and produce less waste – create pilot projects that can stimulate community involvement • Community events and Pop-up/drop-off events of items that are not part of extended producer responsibility programs • Understanding true circularity of materials with better data • Third party verification for recycling rates • The visual of the hierarchy may give a false sense of where we are – it's aspirational but not where we are today. This could lead people to believe that we are doing better on waste reduction and recycling than we are. The hierarchy is inspirational, feel that it is appropriate for a long term plan

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

Thursday April 10, 2025
1:00 pm – 4:00 pm
In-person Meeting
Metro Vancouver Head Office – Room 2911

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING NOTES – February 21, 2025 (Attachment 1)
4. ACTION/STANDING ITEMS **4.1 Action tracker** (Attachment 2)
5. INVITED PRESENTATIONS
5.1 Indigenous Zero Waste Technical Advisory Group *Designated Speaker: Lucinda Phillips, Executive Director, Indigenous Zero Waste Technical Advisory Group*
6. DISCUSSION ITEMS
6.1 Draft Climate 2050 Solid Waste Road Map *For information* *Designated Speaker: Sahar Ahmadvand, Assistant Project Engineer, Solid Waste Services* **6.2 Solid Waste Management Plan Update:** • **Overview and Timeline Update** *For information* *Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services* • **Draft Hierarchy and Goals** *Small group discussions*

Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services
Small group discussions:
- *Is there anything missing from the draft goals or hierarchy?*
- *Is there anything that should be changed from the draft goals or hierarchy?*
- *Any other feedback?*

- **Draft Metrics**

For information/comment
Designated Speaker: Lindsay Seidel-Wassenaar, Sonnevera

- **Draft Options Analysis Criteria**

Plenary discussion
Designated Speaker: Karen Storry, Senior Engineer, Solid Waste Services
Discussion:
- *Is there anything missing from the draft criteria?*
- *Is there anything that should be removed or changed from the draft criteria?*
- *Any other feedback?*

7. INFORMATION ITEMS

7.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

8. OTHER BUSINESS

8.1 PTAC Vancouver Landfill Tour Reminder – September 18, 2025

9. ADDITIONAL ITEMS

9.1 Public/Technical Advisory Committee Updated 2025 Work Plan (Attachment 3)
9.2 Regional Waste Flows March 2025 (Attachment 4)

Attachment 1: Draft Meeting Notes – February 21, 2025 – Solid Waste Management Plan Public/Technical Advisory Committee
Attachment 2: Action Tracker
Attachment 3: Public/Technical Advisory Committee Updated 2025 Work Plan
Attachment 4: Regional Waste Flows March 2025

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Thursday, April 10, 2025
In-person Meeting
Metro Vancouver Head Office – Room 2911
1:00 pm – 4:00 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Adelyn Chan, Allen Lynch, Amika Watari, Ben Liegey, Bill Chan, Brenda Martens, Cassidy vander Ros, Christoph Schultz, Cody Irwin, Daryl Foster, Gil Yaron, Jamie Kaminski, Jennifer Henry, Komal Fatima, Louise Schwarz, Marcelle Moreira dos Santos, Raman Johal, Sean Miles, Stephanie Voysey, Sue Maxwell, Tara Immell, William Selten.

Absent: Brianne De Man, Christian Dietrich, Daniel Rotman, Doug Schell, Grant Hankins, Jake Turek, Jaye-Jay Berggren, John Doherty, Kevin Huang, Lori Bryan (IAC Chair), Lyndsay Poaps, Matthew Morin, Michael Zarbl, Sara Larter, Ulwiana Mehta-Malhotra, Yasmin Abraham.

Metro Vancouver Staff: Brooke Atkinson, Chris Underwood, Chris Clarke, Karen Storry, Paul Henderson, Sahar Ahmadvand, Stephanie Liu, Terry Fulton, Samantha Joy.

	INTRODUCTIONS • Meeting started at 1:00 pm	Chair
1.	**Welcome from the Chair** • Director Kirby-Yung welcomed Committee members • Territorial acknowledgement	
2.	**AGENDA** • Reviewed the April 10, 2025 meeting agenda. • A member suggested making more time to reach group consensus on discussed items and to bring new members up to speed; proposed additional meetings and/or postponing certain items to future meetings if necessary.	Chair
3.	**MEETING MINUTES – November 21, 2024** • Reviewed the Nov 21, 2024 meeting notes and members did not note any errors or omissions.	Chair
4.	**ACTION/STANDING ITEMS**	Chair

	4.1 Action tracker The action tracker was reviewed, and updates were provided. • Complete action items include: o Staff provided Notice of Bylaw Violation information to PTAC members after the February 21, 2025 meeting o Staff sent the invitation for the Zero Waste Conference on November 27, 2025 to PTAC members	
5.	**Invited presentation**	
	5.1 Indigenous Zero Waste Technical Advisory Group Lucinda Phillips, Executive Director, Indigenous Zero Waste Technical Advisory Group (IZWTAG) provided a presentation: Discussion summary: • IZWTAG's current scope doesn't include managing Construction & Demolition materials • Current focus of IZWTAG on food waste management is reactive management of food scraps, not prevention/reduction • IZWTAG gets its metrics from product stewards, and collaborates with communities by providing them with data • Challenge: most First Nations rely on purchasing from large retail chains, and don't have enough resources for recycling and reuse options	Guest Speaker – Lucinda Phillips
6.	**DISCUSSION ITEMS**	
	6.1 Draft Climate 2050 Solid Waste Road Map Sahar Ahmadvand, Assistant Project Engineer, Solid Waste Services Discussion summary: • Member's suggestion of wording: "direct emission" rather than "emission" • The Road Map's scope includes emissions directly from disposal (landfill and waste to energy), and aligns with the Board's direction for the region on climate action. • Staff repeated the importance of moving up the waste hierarchy in reducing emissions, including embodied carbon. • A member raised a question on the Waste-to-Energy District Energy project; How were the GHG emission reductions calculated for the project? The calculations are based on a comparison to heating with natural gas.	

6.2 Solid Waste Management Plan Update:

6.2.1 Overview and Timeline Update

Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, provided a timeline update on the solid waste management plan update.

There was no discussion on this item.

6.2.2 Draft Hierarchy and Goals

Terry Fulton, Senior Project Engineer, Solid Waste Services, provided an update on the draft Hierarchy and Goals for the solid waste management plan.

Members had small group discussions on this item. A summary of these discussions is included as Attachment 1.

6.2.3 Draft Metrics

Lindsay Seidel-Wassenaar, Sonnevera, provided an update on draft metrics for the solid waste management plan. Sonnevera is part of Stantec's solid waste management plan update consulting team.

Discussion summary:

- Per-capita metrics and combinations of relevant metrics are recommended as they can help normalize fluctuations due to population increase and other socio-economic changes in the region over time.
- The current focus of measuring greenhouse gas emissions (GHG) for the region is on disposal-related emissions only. Upstream GHG emissions captured within other activities such as reuse and recycling are more challenging to measure, but moving material up the waste hierarchy also reduces upstream and embodied emissions.
- Waste moving out of the region: current data only available for garbage, not recyclable materials. Metro Vancouver is researching best practices to capture this data and is gradually improving on measuring data related to reuse and repair.
- Comment from members about importance of metrics related to the guiding principles, some of which are difficult to quantify – such as economic opportunities and circular economy. Metro Vancouver staff are reviewing metrics used by other regions/countries, and welcomes additional feedback from members.
- A member suggested considering metrics which are difficult to measure at present but may become relevant in the future.
- Question if metrics from community level have been considered. Certain metrics related to initiatives funded by Metro Vancouver can be included as secondary metrics to indicate progress in a specific area (e.g. food recovery, recycling and waste centre reuse programs).

	• Metro Vancouver encouraged members to email additional feedback, and there will be additional meetings on this subject to discuss in further detail. **6.2.4 Draft Options Analysis Criteria** Karen Storry, Senior Engineer, Solid Waste Services This item was deferred to the May 8, 2025 meeting. This is an additional PTAC meeting that members agreed was important to hold to continue discussions on the draft hierarchy, goals, metrics, and options analysis criteria for the solid waste management plan update.	
7.	**INFORMATION ITEMS**	
	7.1 Zero Waste Committee and Other Updates	Paul Henderson
8.	**OTHER BUSINESS**	
	8.1 PTAC Vancouver Landfill Tour Reminder – September 18, 2025	Brooke Atkinson
9.	**ADDITIONAL ITEMS**	
	9.1 Public/Technical Advisory Committee Updated 2025 Work Plan **9.2 Regional Waste Flows March 2025**	
	ADJOURNMENT • Adjourned at 4:00 pm	Chair

Attachment 1: Small Group Discussion Summary – Solid Waste Management Plan Update Draft Hierarchy and Goals - PTAC April 10 2025 Meeting

Solid Waste Management Plan Public/Technical Advisory Committee Meeting

Small Group Discussion Summary – Solid Waste Management Plan Update Draft Hierarchy and Goals

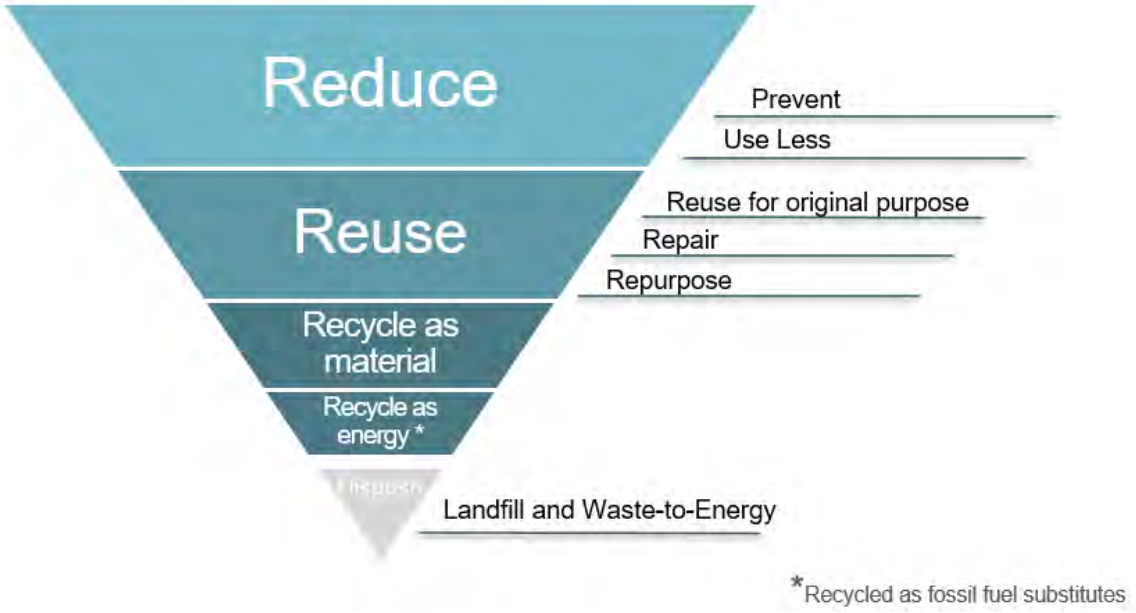
April 10, 2025

At the April 10, 2025 Public/Technical Advisory Commit ee (PTAC) meeting, Metro Vancouver sought input/feedback from members on the following items related to the solid waste management plan update:

- Draft Hierarchy
- Draft Goals

PTAC members broke into small groups to have in depth discussion and provide their input/feedback. The draft hierarchy and goals were presented to members:

Draft Hierarchy



Draft Goals



WHAT WE HEARD

The table below summarizes themes that emerged through the small group discussions. All feedback will be taken into consideration as Metro Vancouver finalizes the solid waste management plan update hierarchy and goals.

Draft Hierarchy *Is there anything missing?* *Anything that should be changed or removed?* *Other feedback?*	
Theme	**What We Heard**

Hierarchy design/audience	• What is this hierarchy for? This graphic is not clear
	• Consider other designs and graphics, other than a triangle
	• Consider making it circular like the Ellen Macarthur Foundation but erfly diagram
	• Consider incorporating a hierarchy and a cycle in one diagram
	• The font should be larger in the upper categories of the hierarchy
	• It is useful to have different hierarchies for different sectors and audiences
	  o Include as many as 9 Rs for the manufacturing and business audience depending on their industry and sector
	  o Consider using similar structure as the City of Victoria hierarchy in the middle sections, meaning repurpose, repair and reuse would be separate rungs of the hierarchy
	  o Zero Waste (international alliance) hierarchy for the public
	• City of Victoria graphic is bet er for the public (specifically multifamily) but it was noted (instead of recycle the rest it should say upcycle the rest)

Reduce and higher levels of the hierarchy	• Think about using ‘avoid’ – so that instead of reduce people would think about avoiding • Consider including “rethink”, “redesign” or “reimagine” before prevent and reduce • Under ‘reduce’ have wording on how this is tracked. The top of the hierarchy is where we have the least data because it’s not getting weighed • Reduce: add amended rungs to include preserve resources, make less, and buy less • ‘Prevent’ and ‘use less’ is part of ‘reduce’, but BEFORE that, we should focus on sharing resources. “Share” is also more positive language than ‘prevent’

	• Prevent" should simply be "use less" – an idea that the prevention should apply to businesses and use less should apply to residents
Reuse	• What is reuse really meaning in the hierarchy? • Consider adding "share" under reuse (or even under reduce) • Could track how many items people buy versus accessing lending libraries, versus disposing – difficult to track • Donation should be incorporated somehow • Unclear whether food waste recovery fits under reuse • Consider adding disassembly in reuse, referring to taking something apart and using the parts • What is the difference between reuse for original purpose and repair – aren't they linked? • Reduce and reuse could potentially be linked to show circularity
'Recycling as material' and 'Recycle as energy' category	• Recycling and highest value – in past, the word diversion is more appropriate than recycle – need to be specific on what is diverted versus what is recycled as new material • Recycle as energy is not clear o The recycling should be only for materials at their highest value o Inclusion of "Recycle as energy" or fuel suggests a constant demand and would ultimately discourage active participation in the top of hierarchy • Consider changing 'Recycle as energy" to "Recycle as Dedicated Fuel" • Materials to fuel – could be an option for the recycle as category • "Recycle as energy" is more appropriate in disposal; should be "disposal as energy" • Suggest 'recycle' as material level (category) – have sub group, 'recycle for highest value', then have different sub levels – focus on the value of products recycled and the materials needed to recycle
'Dispose' category	• There should be differentiation between waste to energy disposal (materials burned and energy not used) versus recycled for energy • Waste to energy should be included above landfill, since it still has a beneficial component • Why is dispose not divided into two different categories? Landfill versus waste to energy? • Residuals management might be more clear than "dispose"
Budget	• There needs to be transparency around the budget plan on this hierarchy

	○ Focus efforts and budget on the top of hierarchy rather than investing in the incinerator • Push the budget where the priorities are such as grants for C&D, invest higher up the hierarchy • Should allocate serious budget to education programs/campaigns, or to support community organizations who are already doing the work • Focus on education on circular economy, donut economics, etc. for students and youth, who can lead others
Compatibility of hierarchy	• The hierarchy doesn't quite work for food as we don't recycle or reuse food – we donate, recycle as feed, and recycle for compost • For Food: Prevent → donate → recycle as feed → recycle as energy → dispose • Hierarchy – food waste prevention at the reuse/donate stage. At first look at hierarchy couldn't see food in there. "Reuse for original purpose" is important (feed people) • The proposed hierarchy does not show where composting fits; believe that it should be a distinct "rung" in hierarchy • Consider representing "source separation" in the hierarchy • There needs to be clear definitions for all levels of the hierarchy to prevent greenwashing or confusion • The Government of BC solid waste management planning guidance directs to and asks for prioritization of prevention and reduction; however, reduction and prevention seems to be out of scope when GHG emissions come up during meetings. The higher levels of hierarchy have great potential but are not getting enough at ention and resources. • Consider changing "Waste Hierarchy" to focus more on resource prevention
How to inspire action	• Focus on convenience, and socializing the practice of sharing etc. • People will self-educate if they believe in something • Factors: convenience, social pressure, and money

Draft Goals *Is there anything missing?* *Anything that should be changed or removed?* *Other feedback?*	
Theme	**What We Heard**
Presentation of the goals	• Goals could be in a shape – to bet er visually align with how they fit into the hierarchy
Language / definitions	• Clear definitions are needed for every goal • Focus on positive language. (e.g. 'maximize efficiencies' rather than 'reduce waste') • Get rid of the words "garbage" and "waste" and use the word "materials" or "resource"
Goal 1 – Prioritize waste prevention	• Needs more clarity/to be defined • This is very broad compared to other goals – maybe break out into 1) education on waste prevention, 2) implement actions to prevent waste, etc. • One area is best before dates – need more education for households on this. Very few items have an expiry date, they're just guides • Should focus more on the top of the hierarchy; need more clarity to what extent this goal applies in the context of solid waste system/management plan
Goal 2 – Keep materials in use as long as possible	• Focus should be keeping products in highest use for as long as possible • Could be "Keep materials and their value" in use
Goal 3 – Make it easier to recycle effectively	• What do we mean by "effective" in recycling? Need to bet er define what is meant in this goal (i.e., who and how market needs to adapt) • Could we take out effectively, if you are applying the hierarchy – you would be as effective as possible • There are clean tech/deep tech companies out there with robots for sorting recycling more effectively • Is there anything about recycle at end-of-life instead of just recycle? • Producer Responsibility to reduce; debate about applicability • Extended Producer Responsibility – holding Recycle BC more accountable to pay instead of municipalities for collection and recycling of soft plastic and glass • "Effective and efficient" may be bet er than simply "effective" • How do we align our metrics with the goal we're trying to achieve with recycling? • Can we reflect that innovation may increase what is considered recyclable? • "Make it easy" could be "easy to understand" or "convenient"

Goal 4 – Dispose of remaining garbage responsibly	• Why use the word garbage? Is it because its more digestible for audiences? Does it really target the right audience for this hierarchy and goals? • Resource management, not waste management • What about future mining of old landfills? Do we prepare by separating garbage in landfills for ease of material extraction later? • Innovation could be incorporated into this goal
Missing from the draft goals	• The proposed goals (except for the third one) are not inspiring and are very similar to the previous plan goals • Design products to prevent waste • Maximize resource value • Goal to prevent as much disposal as responsible seems missing • 'Accessibility' is missing both in goals and Guiding Principles. One of the proposed goals refers to "easier" recycling, but ease is not the same as accessibility • Inclusivity and affordability are not adequately reflected in the goals • Goals have to be bold and per capita such as "shutting down the incinerator" and spending the saving per capita on top of hierarchy to reduce waste such that an incinerator is not needed in future • Bans for problematic materials have been successful tools in the past, where do they fit within the proposed goals and which other materials could be banned? • Circular economy is not called out enough and is so important – need a singular distinctive goal that supports reuse economy • Priority that prevention should start with those actually manufacturing the waste • The goals should be more far reaching, global • What about "Prioritize waste production at the source"? • "Community" is missing • Should be more focus on prevention. Right now we have same number of goals as the waste hierarchy. But if we have more goals related to the higher end of the waste hierarchy, it emphasizes the top of the waste hierarchy • Invest in fostering businesses that can use the recyclables and make use of reusable materials

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

Friday, February 21, 2025
1:30 pm – 3:30 pm
Online Meeting

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING MINUTES – November 21, 2024 (Attachment 1)
4. ACTION/STANDING ITEMS **4.1 Action tracker** (Attachment 2)
5. PTAC New Member Introductions
6. PTAC 2025 Proposed Work Plan and Updated Terms of Reference (Attachment 3 and 4)
7. DISCUSSION ITEMS
7.1 Solid Waste Management Plan Update: Timeline Update *For information/feedback* *Designated Speaker: Terry Fulton, Senior Project Engineer, Metro Vancouver, Solid Waste Services* **7.2 Solid Waste Management Plan Update: Options Analysis Criteria** *For information/feedback* *Designated Speakers: Karen Storry, Senior Project Engineer, Metro Vancouver, Solid Waste Services* ***7.3* 2023 Solid Waste and Recycling Statistics** *For information/feedback* *Designated Speaker: Kelly Du, Project Engineer, Metro Vancouver Solid Waste Services*

8. INFORMATION ITEMS

8.1 Notice of Bylaw Violation Engagement – Tipping Fee Bylaw Provisions
For information
Designated Speaker: Paul Henderson, General Manager, Metro Vancouver Solid Waste Services

8.2 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

9. OTHER BUSINESS

9.1 PTAC Facility Tour Discussion
9.2 PTAC 2025 Meeting Schedule
9.3 Solid Waste Management Plan Independent Consultation and Engagement Panel Recruitment

10. ADDITIONAL ITEMS

10.1 Regional Waste Flows January 2025 (Attachment 5)
10.2 Metro Vancouver letter to Ministry of Environment and Parks on Expanding Product Categories for Extended Producer Responsibility – November 27, 2024 (Attachment 6)
10.3 Incoming Correspondence: Ministry of Environment and Parks response to Metro Vancouver on Expanding Product Categories for Extended Producer Responsibility – December 18, 2024 (Attachment 7)

Attachment 1: Draft Meeting Minutes – November 21, 2024 – Solid Waste Management Plan Public/Technical Advisory Committee
Attachment 2: Action Tracker
Attachment 3: Public/Technical Advisory Committee 2025 Work Plan
Attachment 4: Public/Technical Advisory Committee Updated Terms of Reference
Attachment 5: Regional Waste Flows January 2025
Attachment 6: Metro Vancouver letter to Ministry of Environment and Parks on Expanding Product Categories for Extended Producer Responsibility – November 27, 2024
Attachment 7: Incoming Correspondence: Ministry of Environment and Parks response to Metro Vancouver on Expanding Product Categories for Extended Producer Responsibility – December 18, 2024

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Friday, February 21, 2025
Zoom Meeting
1:30 pm – 3:30 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Adelyn Chan, Allen Lynch, Amika Watari, Ben Liegey, Bill Chan, Brenda Martens, Brianne De Man, Cassidy vander Ros, Christian Dietrich, Cody Irwin, Daryl Foster, Doug Schell, Gil Yaron, Jake Turek, Jamie Kaminski, Jennifer Henry, Komal Fatima, Marcelle Moreira dos Santos, Michael Zarbl, Raman Johal, Sara Larter, Stephanie Voysey, Sue Maxwell, Tara Immell, William Selten.

Absent: Christoph Schultz, Daniel Rotman, Grant Hankins, Jaye-Jay Berggren, John Doherty, Kevin Huang, Lori Bryan, Louise Schwarz, Lyndsay Poaps, Matthew Morin, Ulwiana Mehta-Malhotra, Yasmin Abraham.

Metro Vancouver Staff: Paul Henderson, Chris Allan, Joanne Gauci, Karen Storry, Kelly Du, Nanette van Doorn, Stephanie Liu, Terry Fulton.

	INTRODUCTIONS • Meeting started at 1:30 pm	Chair
1.	**Welcome from the Chair** • Director Kirby-Yung welcomed Committee members • Territorial acknowledgement • Informed that this meeting is recorded and livestreamed and that video from the meeting will be posted on the PTAC website after the meeting.	Chair
2.	**AGENDA** • Reviewed the February 21, 2025 meeting agenda.	Chair
3.	**MEETING MINUTES – November 21, 2024** • Reviewed the November 21, 2024 meeting notes and members did not have any errors or omissions.	Chair
4.	**ACTION/STANDING ITEMS**	Chair
	4.1 Action tracker The action tracker was reviewed, and updates were provided on outstanding items:	

	• Metro Vancouver to share lessons learned from innovative Metro Vancouver repair and reuse initiatives with PTAC. This will be presented to the committee in 2025. • Metro Vancouver to request that Indigenous Zero Waste Technical Advisory Group (IZWTAG) present to PTAC at a 2025 meeting	
5.	**PTAC New Member Introductions**	
	New members of the Committee were introduced and had the opportunity to share their background and goals for participating in PTAC: 1. Adelyn Chan 2. Allen Lynch 3. Amika Watari 4. Cassidy vander Ros 5. Daryl Foster 6. Gil Yaron 7. Jennifer Henry 8. Komal Fatima 9. Marcelle Moreira dos Santos 10. Stephanie Voysey The existing members in attendance introduced themselves to the new members.	PTAC Members
6.	**PTAC 2025 Proposed Work Plan and Updated Terms of Reference**	Chair
	The committee reviewed and discussed the proposed work plan for 2025 and the updated terms of reference. Details regarding objectives, goals, and upcoming projects were shared and discussed. • The proposed work plan was developed based on deliverables that are part of the solid waste management plan update process. ○ Metro Vancouver will provide a more detailed workplan to the Committee in the next meeting of April 10, 2025. This detailed workplan will outline suggested dates/meetings to address each item. • The updated PTAC Terms of Reference were provided to the Zero Waste Committee at the February 6, 2025 meeting, and will be presented to the Metro Vancouver Board at the February 28, 2025 meeting. They will be available on the PTAC website shortly after the Board meeting.	
7.	**DISCUSSION ITEMS**	
	7.1 Solid Waste Management Plan Update: Timeline Update Terry Fulton, Senior Project Engineer, Sold Waste Services, provided an update about the solid waste management plan update timeline. Discussion summary:	

	• In response to a question from a member, staff confirmed the final draft of the Residual Management Options Review will be presented to the Committee at a future meeting. **7.2 Solid Waste Management Plan Update: Options Analysis Criteria** Karen Storry, Senior Project Engineer, Solid Waste Services, provided an update about the evaluation criteria for options analysis. Discussion summary: • All comments from committee on the draft criteria will be captured and considered at the April 10 workshop. • During the process of options analysis, the project team will document how ideas were consolidated into strategy/action options and why ideas were included or excluded from the draft plan. • The list of ideas that are an output from the Idea Generation phase of engagement are being drafted and will be provided to PTAC. **7.3 2023 Solid Waste and Recycling Statistics** Kelly Du, Project Engineer, Solid Waste Services, presented the 2023 annual Solid Waste and Recycling Statistics. Discussion summary: • A question was raised regarding cover material at the Vancouver Landfill. Metro Vancouver is working with the City of Vancouver to optimize the cover material to garbage ratio. • Report data clarification: Ecowaste numbers and private facilities within the region in general are included in the data reported. • Plateauing recycling rates in multi-family sector corresponds with challenges in increasing usage of green bins and recycling bins in multi-family residences. • Waste generation per capita will be discussed in the updated plan with the goal of setting updated targets. • Landfill cover was excluded from calculation of the recycling rate. • This report doesn't have the breakdown for organic materials versus recyclable materials in the multi-family sector, however Metro Vancouver will review and share with committee members if this information is available.	
8.	**INFORMATION ITEMS**	
	8.1 Notice of Bylaw Violation Engagement – Tipping Fee Bylaw Provisions Discussion summary: • A member expressed concern that the $500 cap of penalties is still lenient in cases of extreme violation. Metro Vancouver explained that $500 maximum	Paul Henderson

	per violation is specified in the provincial regulation and that penalties canbe levied on a daily basis if a violation is ongoing. Further information can be found on the Notice of Bylaw Violation – Tipping Fee Bylaw Provisions webpage. **8.2 Zero Waste Committee and Other Updates** Discussion summary: • A question was raised by a member regarding PTAC's scope of work. The Chair explained that the Committee's focus is updating the Solid Waste Management Plan.	
9.	**OTHER BUSINESS**	
	9.1 PTAC Facility Tour Discussion The majority (18/21) of responses are in favour of participating in a Vancouver Landfill Tour on September 18, 2025. This will be a tour followed by a short meeting; further details will be provided closer to the meeting date. **9.2 PTAC 2025 Meeting Schedule** **9.3 Solid Waste Management Plan Independent Consultation and Engagement Panel Recruitment**	
10.	**ADDITIONAL ITEMS**	
	10.1 Regional Waste Flows January 2025 **10.2 Metro Vancouver letter to Ministry of Environment and Parks on Expanding Product Categories for Extended Producer Responsibility – November 27, 2024** **10.3 Incoming Correspondence: Ministry of Environment and Parks response to Metro Vancouver on Expanding Product Categories for Extended Producer Responsibility – December 18, 2024**	
	ADJOURNMENT • Adjourned at 3:31 pm	Chair

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

Thursday June 19, 2025
1:00 pm – 3:00 pm
Online Meeting
Zoom

A G E N D A

ITEMS
1. WELCOME – 1:00 – 1:05pm
2. AGENDA – 1:05 – 1:10pm
3. MEETING NOTES –1:10– 1:15pm • **May 8, 2025** (Attachment 1) • **April 10, 2025 Updated** (Attachment 2)
4. ACTION/STANDING ITEMS – 1:15 - 1:20pm **4.1 Action tracker** (Attachment 3)
5. DISCUSSION ITEMS
5.1 Solid Waste Management Plan Update: • **Updated Waste Hierarchy – 1:20-1:30pm** *For feedback* *Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services* • **Draft Regulatory Strategy – 1:30 – 1:40pm** *For input* *Small group discussions and report back – **1:40 – 2:00pm*** *Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services* o Is anything missing or that should be changed? o Any other comments? • **Idea Generation Engagement Summary – 2:00 – 2:05pm** *For information* *Discussion– **2:05-2:10pm***

Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

5.2 Draft Recycling and Waste Centre Strategy Development – 2:10-2:20pm

For input
*Plenary discussion – **2:20 - 2:30pm***
Designated speaker: Paul Henderson, General Manager, Solid Waste Services

- Is there anything missing or that should be changed in the draft priorities for the strategy?
- Are there any comments on the possible elements for the development of the strategy?

6. INFORMATION ITEMS

6.1 Zero Waste Committee and Other Updates – 2:30 – 2:35pm

For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

7. OTHER BUSINESS – 2:35-2:45pm

7.1 Additional Information on Multi-Family Solid Waste Generation (Attachment 4)
7.2 Metro Vancouver Reuse and Repair Initiatives (Attachment 5)
7.3 Zero Waste Conference – November 27, 2025
7.4 Potential Invited Presentation from Oceana – feedback from members

8. ADDITIONAL ITEMS – 2:45-3:00pm

8.1 Public/Technical Advisory Committee Updated 2025 Work Plan (Attachment 6)
8.2 Regional Waste Flows May 2025 (Attachment 7)
8.3 Concrete and Asphalt Recycling Opportunities Review (Attachment 8)

Attachment 1: Draft Meeting Notes – May 8, 2025 – Solid Waste Management Plan Public/Technical Advisory Committee
Attachment 2: Updated April 10, 2025 – Meeting Notes
Attachment 3: Action Tracker
Attachment 4: Additional Information on Multi-Family Solid Waste Generation
Attachment 5: Zero Waste Committee – Reuse, Repair, and Food Recovery Program – January 9, 2025
Attachment 6: Public/Technical Advisory Committee Updated 2025 Work Plan
Attachment 7: Regional Waste Flows May 2025
Attachment 8: Concrete and Asphalt Recycling Opportunities Review

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

June 19, 2025
Online Meeting
1:00 pm – 3:00 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Adelyn Chan, Amika Watari, Ben Liegey, Bill Chan, Brianne De Man, Cassidy vander Ros, Christoph Schultz, Cody Irwin, Daniel Rotman, Daryl Foster, Doug Schell, Gil Yaron, Jake Turek, Jamie Kaminski, Jennifer Henry, John Doherty, Komal Fatima, Louise Schwarz, Marcelle Moreira dos Santos, Michael Zarbl, Raman Johal, Sarah Scanlan, Sean Miles, Sue Maxwell, Tara Immell, William Selten.

Absent: Allen Lynch, Brenda Martens, Grant Hankins, Jaye-Jay Berggren, Kevin Huang, Matthew Morin, Sara Larter, Stephanie Voysey, Ulwiana Mehta-Malhotra.

Metro Vancouver Staff: Brooke Atkinson, Chris Underwood, Chris Allan, Karen Storry, Paul Henderson, Sahar Ahmadvand, Stephanie Liu, Terry Fulton, Samantha Joy, Zack Ha, Allen Jensen.

	INTRODUCTIONS • Meeting started at 1:00 pm	Chair
1.	**Welcome from the Chair** • Director Kirby-Yung welcomed Committee members • Territorial acknowledgement	
2.	**AGENDA** • Reviewed the June 19, 2025 agenda.	Chair
3.	**MEETING MINUTES – May 8, 2025** • Reviewed the May 8, 2025 meeting notes and revised April 10, 2025 meeting notes and members did not note any errors or omissions.	Chair
4.	**ACTION/STANDING ITEMS**	Chair
	4.1 Action tracker The action tracker was reviewed, and updates were provided. • Pending action items: o Update on Reuse and Repair with report (provided as attachment) o Provide information on breakdown of organic vs. recycled materials at multi-family residents (provided as attachment)	

	o Provide PTAC full list of ideas from idea generation engagement o Provide source of GHG data for climate action plan • Completed action item: o Presentation on SWMP Governance, PTAC's role in SWMP, and Zero Waste Initiatives	
5.	**DISCUSSION ITEMS**	
	5.1 Solid Waste Management Plan Update: • **Updated Waste Hierarchy and Goals** *For feedback* Terry Fulton, Senior Project Engineer, Solid Waste Services Discussion summary: • Member suggested that under Recycle, "recycle into new material", the "new material" should be "new products" because it is recycled material, not new product. • Members noted opposition to having Recover refer solely to energy; it should be focused on recovering materials that haven't been source separated, and potentially harmful substances like mercury and asbestos. • Suggestion there should be an "Unacceptable" category including incineration and waste-to-energy • Comment that Zero Waste International Alliance Hierarchy should be used (that classifies incineration and waste-to-energy as unacceptable). • Member noted that hierarchy systems are complicated because there are a lot of different entities involved and responsibilities within each level. • Question as to why Recover (related to the creation of products to be used as a fuel substitute) is included in the hierarchy. Suggestion that Recover should go into disposal; could be under "Unacceptable", not diversion level. • Comment that Rethink is rather focused on a transition to a circular economy, but where does supporting innovation fit into the proposed hierarchy. • A member noted recovery should be a combination of items you can't recycle – should be thought of if they can be recovered or must go to landfill. • Member noted no concern with Recover being a part of the hierarchy, it's aligned with Provincial hierarchy – no issue with alternative fuels, better than it being landfilled. • Member supports hierarchy as proposed. • Member suggested replacing recovery for fuel with recovery of materials for recycle and reuse. • **Draft Regulatory Strategy** *For feedback* Terry Fulton, Senior Project Engineer, Solid Waste Services	

Discussion summary:

- Member asked for clarification as to is considered a generator with respect to the Generator Levy. Staff confirmed that the generator is the original generator of the waste, but consistent with Metro Vancouver's authority under the GVS&DD act, haulers are responsible to remit the Generator Levy to GVS&DD.
- Comment on waste hierarchy having a reduce and reuse, and how that relates to the priorities of the regulatory strategy.
- Member commented that it is difficult to comment and provide meaningful feedback on the draft regulatory strategy when the committee has not seen the draft strategies and actions yet.
- Staff and committee agreed that a more detailed draft regulatory strategy will be brought back to the committee at a later meeting.

5.2 Draft Recycling and Waste Centre Strategy Development

For input

Paul Henderson, General Manager, Solid Waste Services

Discussion summary:

- A member noted increasing challenge of siting depots in the region (i.e. Encorp, etc.)
- Comment that the strategy should prioritize the reuse/repair groups that currently operate at the existing facilities, allow them to have input on the reuse and repair process.
- Suggestion that recycling opportunities should be close to consumers and a focus on reuse options.
- Cultural communities and repair/reuse – a potential suggestions is to provide space at facilities to provide knowledge sharing and community building that addresses different cultures in the region.
- A member noted the new hierarchy and strategy doesn't include a circular economic lens, example is thinking about adjacent land use to the major facilities and the potential to co-locate circular activities.
- Suggestion to have drivetime map that considers population density in the region.
- Member asked about the reuse pilot going at United Boulevard facility?
    - Staff shared information that the scope of materials being collected is less than at the North Shore facility, and will come back with some further information.
- Suggestion to expand reuse pilot including the types of materials accepted and expanding EPR programs.
- Suggestion to look at these strategies to design a system so that inspections of 80% of loads can take place.

	• Suggestion of partnering with public groups, while prioritizing the upper parts of hierarchy and look into having alternate ways to delivery services to address accessibility (i.e. farmers market, adjacent businesses) for reuse opportunities. **5.1 Solid Waste Management Plan Update - continued** • **Idea Generation Engagement Summary** *For information* Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services • No questions or feedback provided.	
6.	**INFORMATION ITEMS**	
	6.1 Zero Waste Committee and Other Updates **Items provided for members as information in the agenda package.	Paul Henderson
7.	**OTHER BUSINESS**	
	7.1 Additional Information on Multi-Family Solid Waste Generation **7.2 Metro Vancouver Reuse and Repair Initiatives** **7.3 Zero Waste Conference – November 27, 2025** **7.4 Potential Invited Presentation from Oceana – feedback from members** Discussion summary: • Members indicated support for Oceana presentation at a future committee meeting. • Member suggested opportunities for members' feedback should be prioritized to provide feedback on plan update items before having external presentations.	Brooke Atkinson
8.	**ADDITIONAL ITEMS**	
	8.1 Public/Technical Advisory Committee Updated 2025 Work Plan **8.2 Regional Waste Flows May 2025** **8.3 Concrete and Asphalt Recycling Opportunities Review**	
	ADJOURNMENT • Adjourned at 3:13 pm	Chair

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

Thursday May 8, 2025
1:00 pm – 3:30 pm
Online Meeting
Zoom

A G E N D A

ITEMS
1. WELCOME – 5 minutes
2. AGENDA – 3 minutes
3. MEETING NOTES – April 10, 2025 (Attachment 1) **– 3 minutes**
4. ACTION/STANDING ITEMS – 5 minutes **4.1 Action tracker** (Attachment 2)
5. New PTAC Member Introduction – 5 minutes
6. DISCUSSION ITEMS
6.1 Solid Waste Management Plan Update: • **Draft Options Analysis Criteria – 10 minutes** *Small group discussion - **30 minutes** Plenary Discussion - **20 minutes*** *Designated Speaker: Karen Storry, Senior Engineer, Solid Waste Services* *Small group and plenary discussions* • **Updated Draft Hierarchy, Goals, and Metrics Following April 10 Meeting - 10 minutes** *Plenary Discussion **– 30 minutes*** *Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services*
7. INFORMATION ITEMS
7.1 Zero Waste Committee and Other Updates – 5 minutes

For information *Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*
8. OTHER BUSINESS
8.1 Additional PTAC Meeting in October – 5 minutes
9. ADDITIONAL ITEMS – 5 minutes **9.1 Public/Technical Advisory Committee Updated 2025 Work Plan** (Attachment 3) **9.2 Regional Waste Flows April 2025** (Attachment 4)

Attachment 1: Draft Meeting Notes – April 10, 2025 – Solid Waste Management Plan Public/Technical Advisory Committee
Attachment 2: Action Tracker
Attachment 3: Public/Technical Advisory Committee Updated 2025 Work Plan
Attachment 4: Regional Waste Flows April 2025

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

Thursday, May 8, 2025
Online Meeting
1:00 pm – 3:30 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Adelyn Chan, Allen Lynch, Amika Watari, Ben Liegey, Bill Chan, Brianne De Man, Christoph Schultz, Cody Irwin, Daniel Rotman, Daryl Foster, Doug Schell, Jake Turek, Jennifer Henry, Kevin Huang, Komal Fatima, Louise Schwarz, Marcelle Moreira dos Santos, Michael Zarbl, Sarah Scanlan, Sean Miles, Sue Maxwell, Tara Immell, William Selten.

Absent: Brenda Martens, Cassidy vander Ros, Christian Dietrich, Gil Yaron, Grant Hankins, Jamie Kaminski, Jaye-Jay Berggren, John Doherty, Lori Bryan (IAC Chair), Lyndsay Poaps, Matthew Morin, Raman Johal, Sara Larter, Stephanie Voysey, Ulwiana Mehta-Malhotra, Yasmin Abraham.

Metro Vancouver Staff: Brooke Atkinson, Chris Underwood, Chris Allan, Karen Storry, Paul Henderson, Sahar Ahmadvand, Stephanie Liu, Terry Fulton, Samantha Joy, Zack Ha, Allen Jensen.

	INTRODUCTIONS • Meeting started at 1:00 pm	Chair
1.	**Welcome from the Chair** • Director Kirby-Yung welcomed Committee members • Territorial acknowledgement	
2.	**AGENDA** • Reviewed the May 8, 2025 meeting agenda.	Chair
3.	**MEETING MINUTES – April 10, 2025** • Reviewed the April 10, 2025 meeting notes and members requested revisions: o On the Draft Climate 2050 Solid Waste Road Map - there was a question on where the statistics for a chart on the Vancouver Landfill were from – staff noted they are working on a fulsome response and will update the notes o Record committee comments on including embodied emissions o On the draft hierarchy request emphasis on 'recycle as energy' category, noting strong opposition	Chair

	○ Staff advised that committee members can email to request any additional edits	
4.	**ACTION/STANDING ITEMS**	Chair
	4.1 Action tracker The action tracker was reviewed, and updates were provided. • Pending action items: ○ Breakdown for organic material versus recyclable materials generated in the multi-family sector will be presented at the June PTAC meeting ○ Full list of ideas from ideas generation engagement will be provided prior to options analysis feedback session • Completed action item: ○ Additional PTAC meeting, held today May 8	Brooke Atkinson
5.	**New PTAC Member Introduction**	
	5.1 New PTAC Member Introduction Introduction: Sarah Scanlan, Regional Sustainability Consultant, Energy and Environmental Sustainability, Vancouver Coastal Health.	
6.	**DISCUSSION ITEMS**	
	6.1 Solid Waste Management Plan Update **Draft Options Analysis Criteria** Karen Storry, Senior Engineer, Solid Waste Services Discussion summary: • Question if the greenhouse gas emission reductions criteria is taking into account direct and indirect emissions. ○ Staff confirmed that there is not enough data currently to apply embodied carbon to each evaluation criteria, but circularity is planned to be included in the evaluation criteria. Ideas which improve circularity are also likely to reduce embodied carbon. • Circularity and waste reduction are also cross cutting, in that they should foster a local economy, social component, and improve affordability • Other criteria may also be seen as cross-cutting • Are the criteria weighted? For example, will economic be weighted more heavily than a social item?	

	- Staff clarified, there is no plan to weigh criteria, rather consider the criteria to assess if an action meets multiple of these criteria and supports the guiding principles - After the ideas are evaluated members request that the results be provided so they can review how the criteria was applied - Consider not using the word 'evaluation' if no scoring rubric is being used - Staff noted the "improve convenience" category could be broadened if members have suggestions Members had small group discussions on the proposed options evaluation criteria. A summary of these discussions is included as Attachment 1. **Updated Draft Hierarchy, Goals, and Metrics Following April 10 Meeting** Terry Fulton, Senior Project Engineer, Solid Waste Services Discussion summary: - Create fossil fuel substitute should not be in the 'recycle' category - Staff will be considering and revising the fossil fuel substitute item - Staff confirmed any updates/changes to the draft hierarchy will be circulated to PTAC members in advance of it being considered at the Zero Waste Committee and Board. - Canadian Standards Association Plastics Recycling Standard is clear that recycling is processing plastic waste materials to produce secondary material from which new products are made - Recommend Zero Waste Canada's Zero Waste Hierarchy and European definitions of recycling be considered - Food donation at 'reduce' does not show the difference between food waste prevention and food donation - Staff to consider where food waste prevention and donation should be included in the hierarchy - Clarity is required for the meaning of various terms in the heirarchy? - Staff will provide a definition of terms used in the hierarchy - Suggestion that the different sectors in waste management need their own hierarchies - Suggestion that capture rate should be a metric in addition to recycle rate. Capture rate being the amount recyclable materials that are collected and doesn't account for portion of that material that is disposed of. - Staff noted efforts and continued work to add clarity to recycling rate measure 'Make it easier to recycle effectively': Are materials being recycled effectively? Just increasing recycling rates is not enough, note stewardship of the material not just the usability of the program	

	• 'Minimise waste generation' should be focused on reducing the material use • Add sixth goal to 'stop burning waste' • Enable circular economy – look at partnerships • 'Create fossil fuel substitute' – as a member of the public are items from your blue bin used for this? o Staff clarified that no, this category would primarily include construction and demolition waste used as fuel • 'Rethink' should add 'track waste generated' metric • The public can rethink, reduce, reuse, dispose, but cannot actually take action to recycle. An option from the European Union hierarchy is 'preparing for recycling'. Make it clear how a citizen can partake. • Economics of recycling, can a dollar value of the budget be assigned to each level of the hierarchy? Proportionality of the different levels and where resources are focused	
7.	**INFORMATION ITEMS**	
	7.1 Zero Waste Committee and Other Updates • May Zero Waste Committee meeting was cancelled • Staff confirmed any information shared via email with the Zero Waste Committee members is included in the next months Manager's Report if the meeting was cancelled. • Question regarding the allocation for land purchase in the 5 year Solid Waste Services capital plan o Staff clarified that land purchases would likely support the development of future recycling and waste centres based on increased growth and demand. Items included in the five year financial plan beyond those items in the immediate next year, are for the purpose of forecasting and establishing a plan, and are not approved to proceed with.	Paul Henderson
8.	**OTHER BUSINESS**	
	8.1 Additional PTAC Meeting in October • Interest to tour a recycling facility • Staff will poll members on their preference for the October 3 meeting to be in-person or online, as well as the preferred facility for the PTAC tour • Residuals Waste Management Options review will be circulated ahead of the June PTAC meeting included in the agenda package • Staff asked whether there was an interest in a Sharepoint site where committee members could provide information to be updated, and choose which communications to receive notifications for to reduce the number of emails sent between committee members. Following discussion, no	Brooke Atkinson

	Sharepoint is contemplated for now, but members suggested it would be important for members to consider email etiquette if emailing the entire committee.	
9.	**ADDITIONAL ITEMS**	
	9.1 Public/Technical Advisory Committee Updated 2025 Work Plan **9.2 Regional Waste Flows April 2025**	
	ADJOURNMENT • Adjourned at 3:13 pm	Chair

Attachment 1: Small Group Discussion Summary – Solid Waste Management Plan Update Draft Options Analysis Criteria - PTAC May 8 2025 Meeting

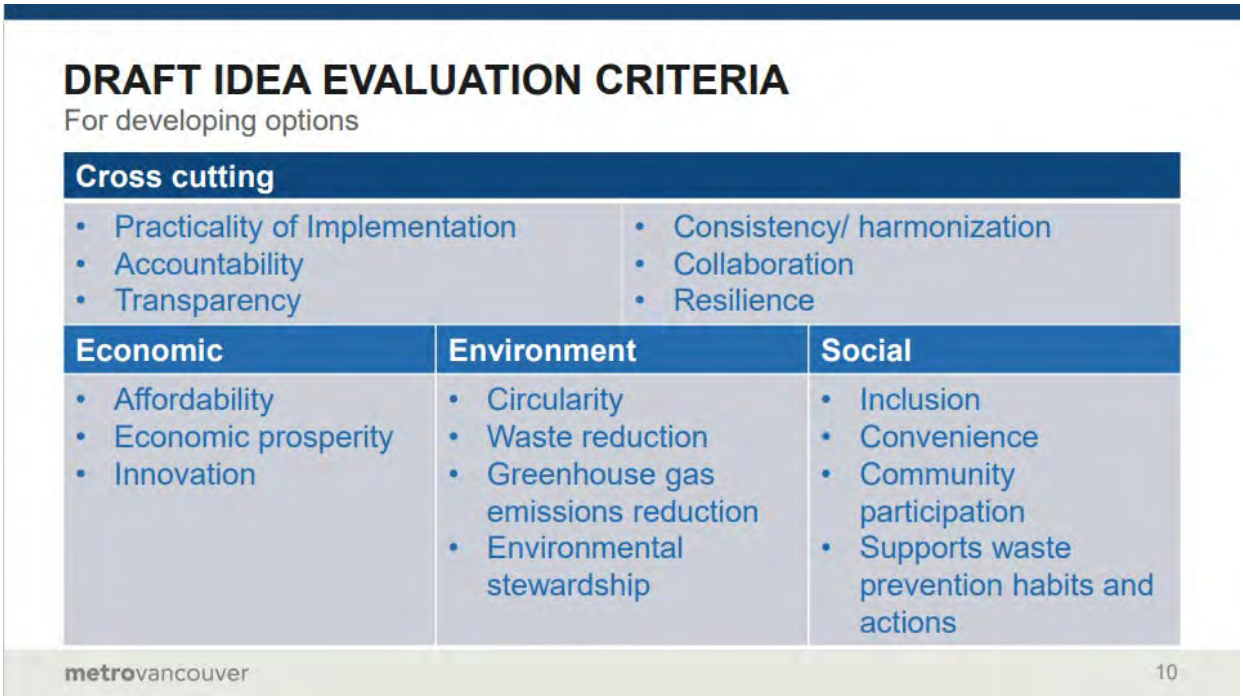
Solid Waste Management Plan Public/Technical Advisory Committee Meeting

Small Group Discussion Summary – Solid Waste Management Plan Update Draft Options Analysis Criteria

May 8, 2025

At the May 8, 2025, Public/Technical Advisory Commit ee (PTAC) meeting, Metro Vancouver sought input/feedback from members on the Draft Options Analysis Criteria related to the solid waste management plan update.

PTAC members broke into small groups to have in depth discussion and provide their input/feedback on the draft criteria for idea evaluation.



WHAT WE HEARD

The table below summarizes themes that emerged through the small group discussions. All feedback will be taken into consideration as Metro Vancouver finalizes the solid waste management plan update options analysis criteria.

Draft Options Analysis Criteria *Is there anything missing from the draft criteria?* *Is there anything that should be removed or changed?* *Any other feedback?*	
Theme	**What We Heard**
Goal / use of the criteria	• Where is the waste hierarchy in these criteria? The hierarchy should be reflected more specifically • Very visionary and looks good on paper, but wondering how practical this criteria is and how much execution/implementation ability there is • What value are we receiving and how are we measuring that value? This needs to be the driver of every criteria we chose • Need to understand what the true cost options are and this should somehow be reflected as an overarching criterion • Questions on who will be using the criteria: o Metro Vancouver will be documenting how strategies and actions are selected to be recommended in the draft plan – to demonstrate how they were chosen, and then spark discussion with commit ees, public, and others • How do we ensure that the interpretation is consistently applied and matches our understanding • How do we make sure the criteria is applicable to more remote areas of the region • Support for setting the plan bar high • Many of these criteria can be seen as cross cutting
Missing from the criteria / definitions	• Definitions of the terms in the draft criteria as an appendix could help understand the specific use of each term • Add: Reuse, there is nothing specifically about reuse currently • With respect to Consistency/Harmonization/ Collaboration – what about “synergies”? something that reflects mutually beneficial relationships • Synergy, harmonization, how to communicate why we are doing a specific action

	• Innovation, accountability, and transparency in leadership, some are not fully understood or defined
	• Consider adding the word "value" to reflect options that offer benefits in multiple areas
	• "Circularity" could be under "Economy" or in a cross-cutting theme
	• One item that should be included is "impactful", or "bold" – if we want to be global leader in waste reduction. "Innovation" is related to this. Maybe "bold innovation" – not just fixing small things
	• Environment: suggest "waste prevention" rather than "waste reduction" which may include recycling
	• Behaviour change is missing – need systemic changes that can influence behaviour
	• Focus on consumer awareness for reduction/reuse/prevention/education process
	• Missing: Extended producer responsibility – which column would that fall under? Environmental stewardship is part of that, but not the whole picture
	  o Could tie into community participation or other social pieces
	• Avoiding contamination or protection of natural spaces
	• Missing is the protection of human health and the environment
	• Caution on convenience:
	  o Can lead to increased contamination (e.g. putting everything into one bin)
	  o It can take effort to change behaviour and properly recycle
	  o Standardization versus ease
	  o Convenience can be related to infrastructure
	  o Can be looked at with respect to innovation
	  o Relates to infrastructure/logistics/accessibility
	  o Relates to participation/signage/labeling
	• Consider practicality of proposed solution versus convenience
	• Missing competitiveness
	• Economic prosperity – Have a clear set of definitions of the criteria for those who are using them to filter out actions
	• Missing in economic section: cost to benefit ratio
	• Economic prosperity
	  o Does recycling add to GDP?
	  o Adding legislated recycled content can create a market and increase value of a material
	  o Incineration can take up resources that could be used on innovation in the green economy

	▪ If things are going to incineration, how do we make sure it's not just due to convenience ▪ Making things less convenient can help in other areas o Could be "creating economic value of recycled material", value added for recyclable material o There's a connection between prosperity and innovation • Missing is indigenous impact or indigenous inclusion
Social / inclusion / accessibility	• Rather than inclusion, perhaps accessibility could be considered to include alternative languages and comprehension of the system • Challenges in terms accessibility and accountability/responsibility by whom • Add: Accessibility to the Social category – Accessibility should not just be implied in convenience or another criteria • Social – inclusion is not same as diversity. Suggest adding "Diversity, equity, and inclusion" • Underrepresented groups such as immigrants and ethnic communities, have different ways of stewarding the environment but not necessarily through recycling but more reuse • People without vehicles don't have access to depots • Making sure to bring diverse voices along and incorporate into the plan •
Communicating the criteria	• What about comprehension or "buy-in", shared understanding, actionability? • The social, economic, and environmental buckets are helpful but an alternative way to visualize could he helpful that shows how one criteria (word) may fit into different buckets • A Venn diagram or alternative visual could be considered to show the linkages between the terms • Specific reference to leadership or forward thinking – avoid "innovation" or other buzz words that may be overused and diluted with diffused definitions o Embodied leadership
Greenhouse Gas Emissions (GHG)	• GHG reduction, good to have, but there should be reference to "life-cycle" thinking – think more economically: What is the life cycle cost? (services, process, materials) Life cycle thinking – intentionality. • For GHG emissions reduction – if plan is to focus on scope 1 and 2, does that mean that you would prioritize items that

	reduce direct emissions v.s. indirect emissions. Scope 3 emissions should be included.
Other	• Consistency, harmonization, collaboration, innovation: o Harmonizing ICI use of the built infrastructure in BC. A lot has been built because of Recycle BC EPR Program o Would like harmonization on private waste haulers and materials they are willing to accept, and bringing them to same facilities that the Recycle BC material goes to o Comprehensive recycling is not available in ICI in the same way it is for residents. Regulation can address this gap by harmonizing what haulers accept from ICI • Are there risk assessments being completed? Are there alternatives being considered? • Accountability – good to consider Sustainable Development Goals (SDG) to be accountable to international frameworks. Last meeting when KPIs were shared there was nothing on SDG 12.3

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

IN-PERSON MEETING

Thursday, November 20, 2025
1:00 pm – 3:00 pm
Meeting Room: Metro Vancouver Head Office - Room 2912

A G E N D A

ITEMS	TIME
1. WELCOME • **Independent Consultation and Engagement Panel Members** o Celena Benndorf	1:00 pm – 1:05 pm
2. AGENDA	1:05 pm – 1:10 pm
3. PREVIOUS MEETING NOTES **3.1 October 3, 2025** (Attachment 1)	1:10 pm – 1:15 pm
4. DISCUSSION ITEMS **Solid Waste Management Plan Update:** **4.1 Targets and Metrics** • Plenary discussion on primary and secondary metrics and targets *Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services* Solid Waste Management Plan Update – Performance Metrics and Targets Report (Attachment 2)	1:15 pm – 2:10 pm
5. INFORMATION ITEMS **5.1 Zero Waste Committee** *For information* *Designated Speaker: Paul Henderson, General Manager, Solid Waste Services* Solid Waste Management Plan – Options Analysis Update (November 6, 2025 Zero Waste Committee Report) (Attachment 3)	2:10 pm – 2:30 pm

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

Zero Waste Committee Meeting Agenda - November 6, 2025 - Managers Report	
6. ACTION/STANDING ITEMS **6.1 Action Tracker** (Attachment 4)	2:30 pm – 2:35 pm
7. ADDITIONAL ITEMS **7.1 Potential Meeting Dates for 2026** • **January 29, 2026** • **February 19, 2026** • **March 26, 2026** **7.2 Solid Waste Management Plan Update – Draft Regulatory Strategic Approach** (Attachment 5) **7.3 Solid Waste Management Plan Update – Draft Recycling and Waste Centre Strategic Approach** (Attachment 6) **7.4 Public/Technical Advisory Committee Member Submitted Feedback on Options Analysis** (Attachment 7) **7.5 Public/Technical Advisory Committee Potential Work Plan Items for 2026** (Attachment 8) **7.6 Public/Technical Advisory Committee Updated 2025 Work Plan** (Attachment 9) **7.7 Regional Waste Flows October 2025** (Attachment 10) **7.8 OCEANA Single-Use Item Reduction Presentation** (Attachment 11)	2:35pm – 3:00 pm
8. NEXT STEPS	3:00 pm

Attachment 1: Draft Meeting Notes – October 3, 2025 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Solid Waste Management Plan Update – Performance Metrics and Targets Report

Attachment 3: Solid Waste Management Plan – Options Analysis Update (November 6, 2025 Zero Waste Committee Report)

Attachment 4: Action Tracker

Attachment 5: Solid Waste Management Plan Update – Draft Regulatory Strategic Approach

Attachment 6: Solid Waste Management Plan Update – Draft Recycling and Waste Centre Strategic Approach

Attachment 7: Public/Technical Advisory Committee Member Submitted Feedback on Options Analysis

Attachment 8: Public/Technical Advisory Committee Potential Work Plan Items for 2026

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

Attachment 9: Public/Technical Advisory Committee Updated 2025 Work Plan

Attachment 10: Regional Waste Flows October 2025

Attachment 11: OCEANA Single-Use Item Reduction Presentation

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

November 20, 2025
In-Person Meeting
1:00 pm – 3:00 pm

MEETING NOTES

The Meeting Notes of the Public/Technical Advisory Committee (PTAC), held in person at the Metro Vancouver – Head Office. The meeting commenced at 1:00 p.m. Pacific Time on Thursday, November 20, 2025.

Attendees: Director Kirby-Yung (Chair), Director Hodge (Vice-Chair), Adelyn Chan, Ben Liegey, Bill Chan, Brenda Martens, Cody Irwin, Daryl Foster, Jennifer Henry, Louise Schwarz, Marcelle Moreira dos Santos, Raman Johal, Sarah Scanlan, Stephanie Voysey, Sue Maxwell, Tara Immell, William Selten

Absent: Allen Lynch, Amika Watari, Cassidy vander Ross, Christoph Schultz, Daniel Rotman, Doug Schell, Gil Yaron, Grant Hankins, Jake Turek, Jamie Kaminski, Jaye-Jaye Berggren, John Doherty, Kevin Huang, Komal Fatima

Metro Vancouver Staff: Chris Underwood, Karen Storry, Paul Henderson, Stephanie Liu, Terry Fulton, Faith Sabourault, Vanessa Hatten, Samantha Joy

Independent Consultation and Engagement Panel Members: Celena Benndorf

1.	**WELCOME** The Vice-Chair, Director Hodge, welcomed PTAC members and introduced Independent Consultation and Engagement Panel member, Celena Benndorf.	Vice-Chair
2.	**AGENDA** • The Vice-Chair, Director Hodge, presented and reviewed the November 20, 2025 meeting agenda.	Vice-Chair
3.	**PREVIOUS MEETING NOTES** • Reviewed October 3, 3035 meeting notes and there were no additions made.	Vice-Chair

4.	**DISCUSSION ITEMS**	Vice-Chair
	Solid Waste Management Plan Update: **4.1 Targets and Metrics** Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, presented draft primary metrics and targets, and secondary metrics for the updated solid waste management plan. **Member discussion on targets:** • Discussed the importance of reducing food waste to achieve carbon neutrality. Support for efforts to address food waste. Highlighted that measuring total emissions from food waste is challenging and 80% of total emissions from food waste are not related production and distribution rather than landfill emissions. • Comment that the metrics look good but felt the targets for 2050 seem far away, and suggested that targets for 2030 and 2040 be set as well. • Comment that the targets may not be ambitious enough and suggested having 5-year and 10-year targets, along with adding sub-targets (e.g., food waste). • Plastics and packaging fall outside Metro Vancouver's responsibility because they are covered under extended producer responsibility programs for residential sources. Members suggested looking at market conditions, as limited material value makes recycling challenging, and discussed how Metro Vancouver could start influencing markets. • Discussion on separating concrete from the targets (can set a separate target for just concrete), because large tonnages of concrete significantly skew overall figures. • Clarification requested on the distinction between the diversion target (80%) and the recycling target (75%). Questions about the remaining 5%, specifically (the portion that is diverted but not recycled). Metro Vancouver responded that portion is the portion that goes to recovery (such as using wood for fuel) rather than material-to-material recycling. Waste-to-energy is not included in that 5%, as waste-to-energy is considered disposal. o Staff noted that if recycling markets become available, efforts would be made to close that gap, pushing more materials to recycling. • Members asked about sub-targets for waste generation. o Staff confirmed that analysis was completed on roughly 170 waste composition material types which set out the amount of each material to be reduced or diverted. Work is underway to present them in a more digestible format and share with the committee. • Members asked if Metro Vancouver is aligning with the United Nations Sustainable Development Goals (SDG), and noted that the SDG target includes a 50% reduction in food waste generation by 2030. o Staff are exploring this to see how they can align. • Members asked if information on how much diversion/reduction will be provided on each sector (Industrial, Commercial, Institutional and residential waste). o Staff will provide this data to members as part of the detailed calculation summary.	Terry Fulton

DRAFT

- Members suggested including an overall total waste generation target in addition to per capita targets.

Member discussion on secondary metrics:

- Members discussed that Metro Vancouver currently lists emissions only under "disposal," but there are additional sources such as transportation and other waste-related activities.
    - Staff noted that while the Climate 2050 primer only looks at disposal emissions from disposal activities, it also lists carbon reduction projects in other areas such as low carbon transport. Other Climate 2050 road maps cover other areas such as transportation and built environment.
    - Staff are exploring what carbon neutrality means, and will work with the climate team to align with the Climate 2050 approach.
- Members suggested adding secondary metrics such as the number of material bans, regulations introduced, or other enforcement measures.
- Members noted that secondary metrics are difficult to set without knowing the plan actions, and recommended developing metrics that align with finalized actions. (e.g. number of partnerships, businesses certified as zero waste, and municipalities with zero waste procurement processes).
    - Staff noted that the draft list of strategies and actions have been shared with committee and were used to inform the draft metrics, and encouraged members to provide feedback on secondary metrics that they feel might be missing based on that list.
- Members requested that greenhouse gas data be shown in much greater detail, including emissions by type of disposal, so the information is clearer and more comprehensive than the 2021 biennial report.
- Members observed that under "recycle," the metric for "tonnes recycled" is missing, and similarly under "dispose."
- Members asked where the definitions for "circular jobs" come from.
    - Staff are working on a glossary to clearly define terms.
- Members discussed the overlap between "reduce" and "reuse" and asked how this will be tracked. Metro Vancouver acknowledged challenges with tracking the end fate of reused materials and indicated they are open to feedback on the best approach.
- Members asked how single-use items are counted and questioned why the metric is based on the number of items rather than tonnes.
    - Staff explained that counting items is more impactful than tonnes, since individually these materials weigh very little.
- Members suggested that under "reuse," metrics could include the number of programs offered in the region and the number of partners that have committed to offering reusables, along with other supporting measures.
- Members emphasized the need to be careful with definitions. They noted that diversion currently includes recovery and suggested that there should not be a goal for recovery—focus should remain on material recycling.
- Members noted that the "reuse" section lacks context and suggested adding more meaningful metrics (e.g. include number of homes relocated versus demolished, and number of homes demolished that could have been relocated).

	5. INFORMATION ITEMS **5.1 Zero Waste Committee** Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided an update on the November 2025 Zero Waste Committee agenda. • In addition, Paul described safety and operational challenges that have arisen at solid waste facilities as a result of improper disposal of nitrous oxide canisters. Metro Vancouver is actively working various measures to encourage effective management of the cylinders, and will communicate the information when available. **Member discussion:** • Members asked if Binners were collecting coffee cups over a period of time and if cups were being donated to Binners for the Coffee Cup Revolution event. o Metro Vancouver provides funding for this one-day event, and Binners may or may not collect the coffee cups over time. The Coffee Cup Revolution highlights the volume of single use coffee cups that are being used and disposed of. The event also highlights that there are not effective recycling solutions for large volumes of paper cups given that the over 200,000 cups collected at this event must be disposed of at the Waste-to-Energy Facility.	Paul Henderson
	6. ACTION/STANDING ITEMS **6.1 Action Tracker (Attachment 4)**	Chair
	7. ADDITIONAL ITEMS **7.1 Potential Meeting Dates for 2026** • **January 29, 2026** • **February 19, 2026** • **March 26, 2026** **Member discussion:** • Members noted that the February meeting falls close to Family Day and university breaks and suggested moving it. • Members also noted that the March meeting coincides with spring break. **7.2 Solid Waste Management Plan Update – Draft Regulatory Strategic Approach** **Member discussion:** • Members inquired if costing for disposal options will be included in the plan. o Metro Vancouver confirmed that costing will not be part of the plan, and that as implementation progresses, individual activities will require separate Board decisions. • Members expressed concern that the plan feels like "a plan to have a plan" rather than a plan with firm commitments. They flagged that this is a missed opportunity to secure commitment from member municipalities to enact specific actions as part of the plan. • Staff noted that the updated regulatory approach provided is similar to what	Chair

	they have seen before and will also be included in the draft plan for further comment. **7.3 Solid Waste Management Plan Update – Draft Recycling and Waste Centre Strategic Approach** (Attachment 6) **7.4 Public/Technical Advisory Committee Member Submitted Feedback on Options Analysis** (Attachment 7) **7.5 Public/Technical Advisory Committee Potential Work Plan Items for 2026** (Attachment 8) **7.6 Public/Technical Advisory Committee Updated 2025 Work Plan** (Attachment 9) **7.7 Regional Waste Flows October 2025** (Attachment 10) **7.8 OCEANA Single-Use Item Reduction Presentation** (Attachment 11)	
	8. NEXT STEPS	Chair
	9. ADJOURNMENT The Chair thanked the members for the discussion and feedback. The meeting adjourned at 2:31 p.m.	Chair

Attachment 1: Draft Meeting Notes – October 3, 2025 – Solid Waste Management Plan Public/Technical Advisory Committee

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Attachment 10: Regional Waste Flows October 2025

Attachment 11: OCEANA Single-Use Item Reduction Presentation

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

October 3, 2025
In-Person Meeting
1:00 pm – 4:00 pm

MEETING NOTES

The Meeting Notes of the Public/Technical Advisory Committee (PTAC), held in person at the Metro Vancouver – Head Office. The meeting commenced at 1:00 p.m. Pacific Time on Friday, October 3, 2025.

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Adelyn Chan, Amika Watari, Brenda Martens, Cody Irwin, Doug Schell, Gil Yaron, Jamie Kaminski, Jennifer Henry, John Doherty, Komal Fatima, Raman Johal, Sarah Scanlan, Sean Miles, Sue Maxwell, William Selten

Absent: Allen Lynch, Ben Liegey, Bill Chan, Cassidy vander Ross, Christoph Schultz, Daniel Rotman, Daryl Foster, Grant Hankins, Jake Turek, Jaye-Jaye Berggren, Kevin Huang, Marcelle Moreira dos Santos, Matthew Morin, Michael Zarbl, Stephanie Voysey, Tara Immell, Ulwiana Mehta-Malhorta

Metro Vancouver Staff: Brooke Atkinson, Chris Underwood, Karen Storry, Paul Henderson, Stephanie Liu, Terry Fulton, Joanna Gauci, Allec Wu, Faith Sabourault

Independent Consultation and Engagement Panel Members: Andrea Reimer, Celena Bendorrf, Ryan Williams

1.	**WELCOME** The Chair, Director Sarah Kirby-Yung welcomed PTAC members and introduced the following Independent Consultation and Engagement Panel Members: • Andrea Reimer • Celena Benndorf • Ryan Williams	Chair
2.	**AGENDA** • The Chair, Director Sarah Kirby-Yung presented and reviewed the October 3, 2025, meeting agenda. **Summary:** • The Chair noted today's session is a workshop format, with the majority of time allocated to reviewing the solid waste management plan potential strategies and actions, and there will be discussion on the options under Recover and the ideas that staff consider unadvisable. • Suggestion that the agenda item titled "Plenary discussion on actions under Recover, and ideas staff consider unadvisable" be discussed in plenary before	Chair

	the workshop on the potential strategies and actions. Members and Chair agreed that this item would be moved for discussion first. • Suggestion that financial discussions were important to have before discussing strategies and asked if there would be budget for actioning these strategies.	
3.	**PREVIOUS MEETING NOTES** • Reviewed September 18, 2025, previous meeting notes and there were no additions made.	Chair
4.	**DISCUSSION ITEMS**	Chair
	Solid Waste Management Plan Update: **4.1 Potential Strategies and Actions Feedback Session** Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, presented on the plan timeline, feedback session objectives, outcome of the options analysis phase, waste hierarchy, and additional opportunities for feedback. **Plenary discussion on potential strategies and actions under Recover:** • Members expressed concern with sending wood to be used as alternative fuel. • Members asked that Metro Vancouver consider the fact that the Vancouver Landfill is closing and there is a carbon neutral goal by 2050. o Staff noted that the bottom ash pilot diverted 40,000 tonnes of material from disposal. In addition, 100,000 tonnes of small load waste material could be diverted from disposal. Acknowledgement that pilot initiatives (e.g., bottom ash beneficial use, small load waste) show potential but need scaling. • Members discussed concerns that funding and resources are being put into the recovery efforts and taken away from other areas (recycling, reuse, reduce, rethink). • Members asked about salvaging reusable materials from garbage. o Staff confirmed that Metro Vancouver does have an agreement with Urban Repurpose at the North Shore Recycling and Waste Centre that includes collecting reusables • Suggestion for clear articulation of triage systems at landfills and transfer stations to capture reusable/recyclable material. • Opposition to further reliance on incineration/waste-to-energy, citing: o Environmental/climate impacts o Risk of diverting resources away from higher priority 4R strategies o Potential cost escalation and conflict with Zero Waste objectives • Concern that including incineration in the plan risks locking resources into low-priority disposal instead of upstream actions • Interest in whether it's possible to set proportional metrics for funding for each strategy **Actions Considered "Unadvisable" by Staff**	Terry Fulton

	Staff presented ideas identified as unadvisable by staff for inclusion in the updated solid waste management plan.
	Member discussion:
	• Need to align these suggestions with Metro Vancouver's Climate 2050 commitments.
	• Questions about cost assumptions used to justify continued operation of the Waste-to-Energy Facility.
	  o Staff confirmed that no work is being done to expand waste-to-energy capacity.
	• Need for a hybrid approach that ensures all residual waste undergoes pre-processing/triage (Material Recovery Facility/Material Recovery and Biological Treatment systems) before landfill or incineration.
	• Source separation is preferable although there is no perfect separation system. Materials could go through a Materials Recovery Facility before going to landfill or waste-to-energy.
	• Many reasons to close the Waste-to-Energy Facility.
	• Privatization of the solid waste system is not advisable, with members citing risks of reduced accountability and oversight.
	  o Important to maintain public system accountability and ensuring that resources are directed toward reduction, reuse, and recycling first.
	
	Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, Metro Vancouver, provided the breakout group exercise details and instructions, highlighting the six tables to choose from including Rethink, Reduce, Reuse (Reuse, Refill, and Repair), Reuse (Food and Built Environment), Recycle (Infrastructure and Programs), and Recycle (Education).
	
	Feedback Session – Four Rs (Rethink, Reduce, Reuse, Recycle)
	• Members chose small groups based on topics (Rethink, Reduce, Reuse, Recycle).
	• Groups reviewed and ranked strategies based on their level of priority to include in the draft plan.
	• Key themes identified:
	  o Strong support for upstream prevention actions (food waste reduction, circular economy initiatives, reuse/repair systems).
	  o High priority placed on education, consistency, and convenience in recycling programs.
	  o Support for expanded partnerships and advocacy at higher levels of government to drive systemic change.
	  o Need to have more ambitious zero waste objectives throughout the plan update.
		Stephanie Liu

	Breakout group notes are included in **Attachment 1**. • Rethink • Reduce • Reuse (Reuse, Refill, and Repair) • Reuse (Food and Built Environment)	

- Recycle (Infrastructure and Programs)
- Recycle (Education)

Highlights from the feedback are presented below:

Rethink, Reduce, Reuse

- Support for actions in top three R's
- Increase focus on infrastructure to make reuse convenient and accessible (land, storage, software, facilities)
- Funding or incentives for piloting reuse and repair initiatives
- Systems already exist but can be further supported/enhanced
- Increase accountability for designing out waste and increasing reusability of products (e.g. use incentives)
- Identify opportunities in reuse and repair industry and skills required for repair; the knowledge exists but needs more focus

Regulation and Incentives

- Advocacy, tools, templates, and education are not enough – they need to be combined with regulation, enforcement, and financial incentives
- Incentivize innovators and entrepreneurs providing solutions for materials so they aren't disposed
- Financial disincentives for disposal vs. recycling
- Advocate for additional materials to be added to EPR regulation

Implementation, Education, and Outreach

- Actions need to be more specific, ambitious, and actionable
- In general, actions need to be stronger – e.g. "fund" instead of "support"
- Support for advocacy and partnerships to drive systemic change
- High priority placed on education, consistency, and convenience in recycling programs
- Strong support for upstream waste prevention (food waste reduction, circular economy initiatives, reuse/repair systems)
- Discussion on motivation for recycling is required; education only works if people are motivated and keen to recycle; maybe introduce penalties
- Education is not enough for event recycling; system needs to be made accessible and easy
- Standardization across the region would help

Public/Private Service Provision

- Solid waste system privatization is unadvisable. Concerns included risks of reduced accountability and oversight. Support for public system accountability, with resources directed toward reduction, reuse, and recycling first.
- Certification/verification of receiving facilities (such as construction and demolition) would enhance confidence in accuracy of data reported

Residual Waste

- Funding currently going to disposal or recovery could be redirected to efforts

	under rethink, reduce, reuse, and recycle • Opposition to further reliance on waste-to-energy, citing environmental impacts, diverting resources away from the top 4 R's, and costs; comment the facility should close • Residual waste should undergo pre-processing before landfill or incineration; source separation is preferrable but still results in some recyclables in the garbage • Review health care waste to direct the materials back to recycling and waste centres	
	4.2 PTAC Feedback on Draft Plan Outline and Residual Waste Management Options Review Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided an opportunity for any further feedback on the draft plan outline and residual waste management options review that was presented to the committee at the September 18, 2025 meeting. **Member discussion:** • Plan update should consider other Metro Vancouver management plans such as the climate action plan, climate 2050. Focus on Integrated plans.	Paul Henderson
5.	**INFORMATION ITEMS**	Chair
	5.1 Zero Waste Committee Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided an update on the October 2025 Zero Waste Committee agenda. **Member discussion:** • The Electricity Purchase Agreement locks the region into a long term commitment, whereas a shorter term interim agreement could have been an option while the solid waste management plan is being updated. o Staff noted that the agreement includes cancellation provisions which are confidential. • A member noted the province updated waste-to-energy regulations in 2011. A consultant reviewed best practices for regulations. **5.1 Zero Waste Conference 2025 Reminder** Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided a reminder about the upcoming Zero Waste conference on November 27, 2025. PTAC members are invited to attend at no cost.	Paul Henderson Paul Henderson
6.	**ACTION/STANDING ITEMS**	
	6.1 Action tracker The action tracker was reviewed, and updates were provided. • Completed: o Circulation of full list of plan update ideas from idea generation phase of engagement	Brooke Atkinson

	○ Information on landfill Greenhouse Gas Emissions shared with members previously via email • In progress: ○ Detailed regulatory strategy to be brought forward in November PTAC meeting ○ OCEANA may present to PTAC at the November 20, 2025, meeting (time-permitting)	
7.	**ADDITIONAL ITEMS** 7.1 Responses to Questions from PTAC September 18, 2025 Landfill Tour (Attachment 5) 7.2 Public/Technical Advisory Committee Updated 2025 Work Plan (Attachment 6) 7.3 Regional Waste Flows August 2025 (Attachment 7) 7.4 Metro Vancouver Disposal Ban Report (Attachment 8)	Chair
8.	**NEXT STEPS AND NEXT MEETING DATE**	
	The upcoming meetings are: • **November 20, 2025** Next PTAC Meeting: Targets and Metrics (in-person at Metro Vancouver) – last meeting of PTAC in 2025.	Chair
9.	**ADJOURNMENT** The Chair thanked members for robust discussion and feedback with an emphasis on consolidating input into the draft Solid Waste Management Plan. The meeting adjourned at 3:47 p.m.	Chair

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
BREAK OUT GROUP NOTES

ATTACHMENT 1

RETHINK
Round 1 – Strategy 1.1
Number of Participants: 4

Fist of 5

Action ID	Total Score
ID005	20
ID003	19
ID004	19
ID090	17
ID001	12

Discussion

Action ID and brief description	Comments / Feedback
Broad Feedback	• Need zero waste objectives re-integrated into the plan – municipal regulatory pieces are not reflected in this draft. • Advocating is important but need to be more directive with action-oriented tasks. • Not setting ambition high enough or recognizing systems change that is needed. o Actions need to be stronger than just advocating and have a bigger vision and ambition. • Need to support more transition to circular economy over long-term while also supporting meaningful systems change. • Need more of an economic development framework – economic pieces need to be more fully considered – i.e., if you are a local innovator, how can regulation support your innovation? • Circular economy frameworks should have zero waste strategy embedded within it. • Big thing that's missing – redesigning the systems, reverse logistics, how do we think about procurement and business model transformation instead of incremental change to what is already happening. • Behaviour change needs to be more explicit. • Important to shift funds and resources and develop circular economy solutions through zero waste tools.

	• Need economy of scale which can't be achieved through pilots. Need more living labs to demonstrate economic models. • Need bolder supports to see changes. E.g., same with single use cup fee. Need to set up test systems to provide signal to market. • Need more bold commitments – e.g., commit $10 million over 10 years.
Specific feedback on Actions	
Strategy 1.1 Action ID001	• Outside supply is a constraint now; so important to get foundational policies in place and that's something that comes out of it. This may come organically through other actions like ID003 and ID004, feels more of a secondary action.
Strategy 1.1 Action ID090	• Important to include, but calls out only the circular food systems sector and likely should be broader.
Strategy 1.2	• Consider how to support transition – important to build on the existing innovation, it will cultivate itself. Need stronger action and ability to quantify current landscape and change.
Strategy 1.2 Action ID008	• Consider creating a business certification – partner with existing organizations.
Strategy 1.2 Action ID079	• Should include zero waste education.
Strategy 1.2 Action ID009	• Change action to have Metro Vancouver to lead by example in zero waste.
Strategy 1.2 Action ID0074	• Limited to food systems – but these concepts are over-arching to all sectors.
Strategy 1.3 Action ID017	• Make action more specific for collaborating with external groups. • Collaborate with circular innovators and entrepreneurs on the ground and across the country.

RETHINK
Round 2 – Strategy 1.3
Number of Participants: 2 (plus one observer)

Fist of 5

Action ID	Total Score	Action ID	Total Score	Action ID	Total Score
ID029	10	ID017	7	ID099	5
ID098	9	ID027	7	ID019	4
ID026	9	IDO23	4	ID023	4
ID160	8	ID022	8		
		ID021	5		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 1.3 Action ID029	• Support for this action. Look at BC Housing, heavily weight cost. More facets we work into developing and implementing procurement policies that pull weight away from costs, towards circular criteria, is great. • All member jurisdictions have different criteria, so businesses are working in a patchwork. Higher ambition mandated through procurement criteria is what we want.
Strategy 1.3 Action ID026	• Action should go further and be specific about showing business case, collaborating is good but businesses need to know future direction –need to have regional commitments. • Harder words would be better – less about collaborating and educating, moving towards enforce and regulate (e.g. mandate and enforce). • Need to focus on accelerating the adoption of circular business models - this results in setting behavioural norm in the industry. Be transparent with business community about direction Metro Vancouver is going.
Strategy 1.3 Action ID022	• Collaboration with regional economic development agencies is important to develop digital tools. There is existing technology that tracks origin of the material. o Tool should focus on high value materials. If we deconstruct the building, if we don't know origin of material don't know what to do with it. • Consider digital passports and material banks. • How can we facilitate wider adoption, to ensure that tracking and forecasting is included. Working with retrofits – digital tools would be able to be scaled up.
Strategy 1.3 Action ID098	• Needs stronger wording on how to integrate Indigenous practices, important piece is how to do this at scale. • How to be able to have composting programs in every community. • Agro-ecology is a good term to think about and possibly integrate as it's broader principle.
Strategy 1.3 Action ID017	• What would be action that comes out of identifying new circular economy initiatives in communities? This action maybe folds into others. • There are enough materials and for-profit companies that are not getting the lift off or voice that they need to scale. Once we get to scalable systems and technologies – need to not pause before we give them lift off. • Need people participating – and need to widen the tent.
Strategy 1.3 Action ID023	• Deprioritize this in draft plan.

Strategy 1.3 Action ID027	• A lot of requirements for new and up and coming circular economy businesses. Too high risk for businesses – insurance, land, cost margins. • Not sure this action will address these issues, clarify and include this if not elsewhere and this is only reference recycling businesses.
Less relevant	• About scale and enforceability – some of these don't fit from this perspective. E.g., ID018 – continue to learn – feels like we are past that.

REDUCE
Round 1 – Strategy 2.1
Number of Participants: 3

Fist of 5

Action ID	Total Score	Action ID	Total Score	Action ID	Total Score
ID161	14	ID 162	11	ID043	6
ID028	5	ID 020	10	ID028	5
ID101	14	ID062	8	ID040	4
ID002	13	ID024	8	ID100	1
		ID102	7		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 2.1 Action ID028	• Sector education should come first for this action to be implemented. If they don't know where to go, this action won't be as relevant. • Feedback that this ID doesn't address 'reduce'. Sectors have been taking materials to transfer stations for several years; it comes down to the amount of room they have on the ground. • Good for some industries (like schools) but not others (construction). • Tools and templates do not go far enough – we shouldn't be doing that. We should go further and put regulations (e.g. you cannot buy/sell things that end up in our landfills). • Works in settings where there is a universal request for proposal process and they can then put it into their policy. • Needs to be enforceable.
Strategy 2.1 Action ID101	• Action needs to be paired with enforcement. • Need to have a clear strategy to promote/require businesses to participate. • If you have someone from Metro Vancouver coming into the businesses to talk, that's impactful and makes a big difference.

Strategy 2.1 Action ID002	• Requires a financial incentive (e.g. if not using hard to recycle plastics was somehow saving producers money). • Convenience and staffing are also factors. • Companies will only take action if they are pressured.
Strategy 2.1 Action ID102	• Not clear who is the one developing method to estimate or provide score card for businesses
Strategy 2.1 Action ID161	• Would like to see requirements for new construction. • Disappointed we're on the 'workshop' stage rather than further along into implementation. • If businesses aren't not forced to do it, it won't happen.
Strategy 2.1 Action ID100	• This action should have happened years ago. • Educational tools are too 'soft' to be the focus. Need more requirements rather than educational tools.
Strategy 2.1 Action ID020	• Action should include that healthcare has compactors, and when you remove a compactor you should reassess the system. • There's groups within the healthcare system that advocates for recycling, but hard to execute because once there is a contaminant from health perspective it goes to incinerator. • Force healthcare to put in programs to listen to subject matter experts and do the right thing. • We like "co-develop waste reduction solutions" – because in industry, there are experts on what to do with their waste instead of 'workshops'. • Tie to a 3rd party certification – this helps motivate as well.
ADDITIONAL ACTION	• Have mechanism like a sensor in bin so that you only pay for pickup when the bin is full, rather than a regular schedule like weekly – provides an incentive for reducing garbage.
Strategy 2.1 Action ID0403	• Could be effective for other industries but not C&D – they will not respond to a toolkit. They need rules, requirements, and financial incentives/disincentives.
NEW ACTION	• Requirements to submit a zero-waste strategy, implement waste audits or waste plans, etc. could be effective.
NEW ACTION	• Idea of licensing manufacturer, retailer, hauler. • We don't have a clear picture on what receiving facility receives waste from where and which hauler.
NEW ACTION	• Waste reduction coaches – have people supporting businesses directly
NEW ACTION	• Circular procurement – use the region's procurement power, or procurement guidelines. Only buy from companies that do XYZ. • Ban could also have the same effect – if something Is banned, you look for alternatives.
Strategy 2.1 Action ID028	• Nothing about Metro Vancouver implementing procurement strategy that incentivizes/awards sustainable procurement. • Need more commitment – more committal language.

	• Need 10-year plan to develop full procurement policy to then implement. • Metro Vancouver's own internal procurement would be year 1-2, then the next few years expand from there.
General comment	• Don't embed examples in the action – maybe can add examples after. Embedding examples makes these actions confusing.
General Comment	• Include a timeline for stages of implementation of these actions.

REDUCE
Round 2 – Strategy 2.4
Number of Participants: 5

Fist of 5

Action ID	Total Score
ID107	20
ID105	19
ID106	19

Discussion

Action ID and brief description	Comments / Feedback
General Comments on strategy	• Problem with bans is we don't have infrastructure to support reuse. • Reengineer the way we manage materials to support reuse. • The bans don't come into place until there is infrastructure in place to handle the material flow (for recycling/reuse). • Regional District of Nanaimo has a study on clean wood ban – set up streams for wood in advance of the ban – they were revenue generating streams. o Good case study to look into when implementing bans. • Disposal Bans should not be under 'Reduce' as they encourage diversion as opposed to waste reduction. • Ban does not reduce the amount of waste generated in the first place. • A ban will mean they'll go over border to dispose of banned materials. • Need a system to track waste from producer, hauler, and receiver so we know it's left the region. • Should have certification of receiving facilities and regular audits, especially C&D facilities – need certification.
Rubric	• Comment on the rubric – people getting fined is impacting affordability. Haulers getting fined should not impact affordability.

	• Affordability should apply to low-income residents. It should not play in as a factor when deciding on strategies for businesses or high-income residents. Apply an equity lens.
Strategy 2.4 Action ID 107	• Clear bags should not be lumped with "technologies" – they are two separate things.
Strategy 2.4 Action ID107	• Instal tech to monitor customers, rather than clear bags at the disposal site. More important to monitor at source.
Strategy 2.4 Action ID106	• Beyond just providing incentives for collectors, the region should look into incentivizing innovators/entrepreneurs that provides solutions for materials so that they can then be banned. • Consideration is as EPR comes in, that creates risk for innovators. Is there a way for EPR to not quash innovation. If there is a thriving system in place already, EPR should not be able to come in and displace that successful system.
Strategy 2.4 Action ID105	• Need a pathway for waste from certain sectors to be banned from Metro Vancouver facilities to have a review process. • Need a clear audit and review process to revisit items that are currently unable to go to recycling and need to go to WTEF (e.g. hospital waste).

REUSE (Reuse, Refill, Repair)
Round 1 – Strategy 3.5
Number of Participants: 3

Fist of 5

Action ID	Total (fingers)	Action ID	Total
ID061	12	ID059	14
ID086	11	ID065	11
ID058	10	ID060	13
ID166	14		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 3.5 Action ID058	• Metro Vancouver can offer support, but lots of groups are already doing this work.
Strategy 3.5 Action ID059	• Challenge of increasing cost of rent for nonprofit organizations doing reuse work. • Increase focus on infrastructure to make reuse convenient and accessible (land, storage, software, facilities, etc.)
Strategy 3.5 Action ID060	• Funding for larger industry to pilot reuse and repair initiatives or collaborate with smaller community groups to ensure the funding has the biggest impact.
Strategy 3.5 Action ID061	• Develop a directory of organizations and businesses already working in the space for people to connect to (e.g. reporting mechanism).

Strategy 3.5 Action ID086	• Same issues as thrift stores.
General Discussion	• Top-down change is required. Currently too much bureaucracy so that there is no room for change. • Too risk adverse (Example of putting in a reuse collection bin at Kitsilano beach being shut down by strict policies). Need incentive to adopt new practices (resources, time, money).

REUSE (Reuse, Refill, Repair)
Round 2 – Strategy 3.3
Number of Participants: 3

Fist of 5

Action ID	Total Score	Action ID	Total Score
ID047	10	ID167	7
ID025	10	ID066	6
ID083	8		
ID164	8		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 3.3 Action ID047	• Also create a cleaning and washing infrastructure for reusable product processing throughout the region (not hubs).
Strategy 3.3 Action ID025	• Take back more than just clothing such as electronics, etc.
Strategy 3.3 Action ID083	• Increase awareness of these programs.
Strategy 3.3 Action ID164	• Understand barriers to resident participation in reuse, refill, and repair.
Strategy 3.3 Action ID167	• Identify opportunities in reuse and repair industry and skills required for repair. The knowledge exists but needs more focus.
New Action	• Pilot broad reuse initiatives in a small community (complete top to bottom change to reuse)

REUSE (BUILT ENVIRONMENT AND FOOD)
Round 1 – Strategy 3.2
Number of Participants: 2

Fist of 5

Action ID	Total Score	Action ID	Total Score	Action ID	Total Score
ID037	10	ID036	6	ID068	8.5
ID039	10	ID038	6	ID071	7

ID046	10	ID045	5	ID087	6
ID035	8	ID067	10		
		ID069	9		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 3.2 Action ID071/ID087 – Food recovery data	• Programs should be considered before data. • Measurement is challenging; best estimates can be more practical.
Strategy 3.2 Action ID035 – Reuse in C&D sector	• Consider just reuse in construction sector; demolition by definition doesn't include reuse.
Strategy 3.2 Action ID046 – Land use for reuse activities	• Support for this action; shouldn't have to drive out of region for reused building supplies.
Strategy 3.2 Action ID037/ID039/ID046	• Critically important for Metro Vancouver specifically to implement. • Addressing the time component is key for incentivizing deconstruction. Currently the biggest disincentive is the increased time it takes.
Strategy 3.2 Action ID045 – Incentive program	• The incentive is already built in to some extent. • Scaling deconstruction is important for contractors. • Time component more important than incentive component.
Strategy 3.2 Action ID038 – Online marketplace	• Lower support, there have already been a lot of tries and failures in this area.
Strategy 3.2 Increase reuse of building materials	• Are we missing a C&D data action under reuse? • San Francisco requires reporting on C&D leaving the region. • No regulation actions in the C&D strategy currently – need to look beyond just incentives. • Look to Nanaimo for a successful example of a wood ban
Strategy 3.6 Scale efforts to recover food	• Pay the people doing the work, rather than apps and software to inform the business. • Major food recovery organizations could get together and operate a "Hub and spoke model". • Relationships with non-profits are important. • Buildings and space are key to expanding the sector. • No regulations currently shown under this strategy; would be helpful.

REUSE (BUILT ENVIRONMENT AND FOOD)
Round 2 – Strategy 3.2
Number of Participants: 1

Fist of 5

Action ID	Total (fingers)	Action ID	Total (fingers)	Action ID	Total
ID045	5	ID035	5	ID036	1
		ID037	4	ID046	1
		ID038	1		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 3.2 Action ID038 – Online marketplace	• This already exists; Facebook marketplace. • Maple Ridge New and Used and other physical locations already exist.
Strategy 3.2 Action ID045/35 – Advocate/work collaboratively	• These actions are what Metro Vancouver should focus their effort on, but they need to be more direct. • Don't like the term "advocate", "foster", "encourage"; these don't speak to action. • Incentivize may be better to use rather than advocate. • Consider disincentives for not using reused material. • ID045 and ID035 could be combined. • Support for regulation, asking for more regulatory authority rather than advocating.
Strategy 32 Action ID037 – Foster second hand material markets	• This already exists, doesn't need resources. • Consider a free store model at recycling and waste centres – both drop off and pick up of reusable materials.
Strategy 3.2 Action ID046 – Land use	• Land is not an issue, action not supported. • Ensure the material gets to facilities rather than supply land for it.
Strategy 3.2 Action ID039 – Triaging facility	• Incentivize rather than 'encourage'. • Doesn't need to be in-region – consider elsewhere. • Should go through a MRF first.

RECYCLE (INFRASTRUCTURE AND PROGRAMS)
Round 1 – Strategy 4.2
Number of Participants: 3

Fist of 5

Action ID	Total Score	Action ID	Total Score
116	14	120	11
118	12	064	13
119	13	117	5
121	12		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 4.2 Action ID116	• Identify and advocate for additional materials to be added to Extended Producer Responsibility (EPR) programs. • Include mention of expansion of deposit return programs within EPR.

Strategy 4.2 Action ID064 Action ID119	• Replace “encourage” with “incentivize”. • Replace “encourage” with “incentivize” or “advocate”.
Strategy 4.2 Action ID117	• This action is redundant when considering the other actions in this category.
Missing action	• Advocate for curbside collection of EPR materials for 100% of Metro Vancouver residents.
Missing action	• Create/require accountability and transparency confirming chain of custody, end of life true recycling of materials, markets and recycled products from EPR materials collected.
Missing action	• Increase accountability for the first priority of EPR which is design changes to reduce waste and increase reusability in the products at source. • Incentivize upstream changes to focus on reusability or products and packaging.

RECYCLE (INFRASTRUCTURE AND PROGRAMS)
Round 2 – Strategy 4.3
Number of Participants: 3

Fist of 5

Action ID	Total Score
044	15
122	12
124	8
123	14

Discussion

Action ID and brief description	Comments / Feedback
Missing action	• Ensure all municipal solid waste is processed for the purpose of taking out recoverable materials. • Provide financial disincentives to not recycle (charge more for garbage to incentivize diversion).

RECYCLE (INFRASTRUCTURE AND PROGRAMS)
Round 3 – Strategy 4.1
Number of Participants: 3

Fist of 5

Action ID	Total Score	Action ID	Total Score
113	9	112	15
109	2		
111	15		
110	15		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 4.1 Action ID112	• Need a stronger word e.g. pursue, collaborate, fund, prioritize – and for the purpose of creating a network/ecosystem. • Missing is working with subject matter experts, innovators, enabling startups. • Consider changing the wording from 'enhance' to "mandate".
Strategy 4.1 Action ID110	• Ensure performance specs are met – don't compromise performance to achieve the waste diversion and climate objectives. • Utilize learnings from elsewhere/successes to demonstrate it is possible.
Strategy 4.1 Action ID111	• This is a very important action that supports circular supply chains. • Creates market supply/demand. • By Metro Vancouver pursuing this (within own operations) they would then be seen as a role model/champion that others can learn from and point to when they are developing a business case for their own organization. • Builds a network for information sharing. • Acts as an entry point for others; creates and incentive for others
Strategy 4.1 Action ID113	• The action is focused on the wrong actor(s) – it should not be waste reduction organizations, should instead work with national and regional producers and manufacturers. • Alternative would be to "regulate" or "incentivize and regulate." • If this would be changed to reflect the first bullet, this action would be top scorer.
Strategy 4.1 Action ID109	• This effort takes away from reuse, which should be the focus. • Need to have more systems thinking. • Better value and use of resources if focussed on higher level actions (reduction and reuse). • Not circular economy focused.

RECYCLE (EDUCATION)
Round 1 – Strategy 4.5 and 4.6
Number of Participants: 1

Fist of 5: Did not complete with only one participant.

Discussion

Action ID and brief description	Comments / Feedback
In general – apply to the whole Recycle category	The whole **R** assumes that people care enough to recycle. • This only really works in circles where there is keenness for the change (e.g. PTAC and environmental groups).

	• How do we change actions based on people who don't really care? • There is a cultural and societal norm around caring for recycling how do we get them to care regardless of their value system? This is something that the actions should also include an aspect of more than just behavioural change.
Strategy 4.5	• Make it more clear which type of recyclable is being referred to for each item in each action (e.g. what types of recycling are you referring to make it easier and more effective? Which items currently have the most confusion for recycling that need to be focused on?) • How do we ensure whatever is left from reduce and reuse can be recycled? • Whatever those materials are – should be specified within the strategy before diving into the actions – makes it more clear on what the action is tackling to the audience reading and interpreting these actions
Strategy 4.5 Action ID134	• Would be great to have standardized system collection across the region to be able for residents to understand it.
Strategy 4.5 Action ID132	• Have some sort of penalization for the people who do not participate – have different penalization rules per each large recycler, so they know when they disobey the rules, what the repercussions are. • What do the rewards systems look like for those who do participate and are avid recyclers in the system? Maybe specify that a bit more in the action.
Strategy 4.5 Action ID 137	• Support for this action because it looks upstream rather than downstream – good action to have to intervene with those not good at recycling.
Strategy 4.5 Action ID146	• Educational resources just aren't enough for people to participate in this action – need to really make the system accessible that they will hold their event at (i.e. have mandatory recycling and compost bins at large event areas)– and make it clear where and what to recycle and where it goes
Strategy 4.5 Action ID150 and 154	• These actions seem similar enough - could put them together
Strategy 4.5 Action ID103	• This action is operating under the assumption that education changes the behaviour of residents – there isn't strong enough proof to support that currently with recycling data, maybe look to other ways of enforcement in multi-family residents.
Strategy 4.7	• With transparency of what happens to materials, there needs to be honesty. • Acknowledging that the products that are being made in the system aren't necessarily getting recycled because there's no end market for them currently (i.e. certain plastics and

	products)– that is part of the process, to collect those products in the solid waste system, so what does NOT get recycled because it cant be, should be part of the transparent data. • There should also be transparency of how the businesses are making money off of those recyclable products. • Recycling is value creation – how do we ensure to send the benefits back to the consumer and community? o Explaining EPR more throughout education of what happens to that money and why it is baked into the cost of the items would be a useful start with transparency and honesty. • Mandate bins that are decaled – whether MURB or single family – would decrease contamination a lot. • Consider the space given to garbage bins versus recycling - when recycling should be a priority for most households – yet the garbage collection bin is the one with the most space and always largest.
General comments of actions under RECYCLE – Education	• All actions are very important – they all seem incomplete on their own, but stronger together. There needs to be stronger language – e.g. changing "support" to "fund" – explain how Metro Vancouver supports by funding – rather than having them as high level. • Could outline the importance of each action – and link the dependencies in the system – how they link together well.

RECYCLE (EDUCATION)
Round 2 – Strategy 4.6
Number of Participants: 2

Fist of 5: Not done with two participants, only discussion on each action.

Discussion

Action ID and brief description	Comments / Feedback
Strategy 4.6 Action ID103	• Must include alignment with specific building needs and producers or products. • Include non-profit organizations as facilitators of education where possible (e.g. Binners).
Strategy 4.6 Action ID147	• Clarify what 'environmental advisors' are in the description of this action (RCBC Hotline) – could be interpreted differently. • Consider language and cultural barriers to regional participation for the information services being provided. • Spend the money on the services for translations – see if it would be helpful or not – then pivot if not.
Strategy 4.6 Action ID 149	• Some items on the agenda that needs to align with what is happening in the industry – relevancy is important.

	• Get the stratas etc. to have buy-in for the recycling guidelines that they need to follow an be held accountable.
Strategy 4.6 Action ID 154	• This action is harder to do effectively with use of AI. • The GHG emissions created from using AI is not worth it to support this action – not great benefits. • Create systems where organizations like Binners could help to sort – rather than spending money on AI to sort. • If going to use AI – make sure its not to in depth for the items because it will use more energy and power to create it.
Strategy 4.6 Action ID151 and 154	• Very low support to gamify recycling and reduction education – think of other ways.
Strategy 4.6 Action ID146	• Include education or resources for suppliers of party supplies including catering (e.g. Costco/grocery stores). • Have stickers on the plastic packaging that indicates very visibly that it is recyclable and should go in a certain colour bin.
Strategy 4.6 Action ID145	• Clarify whether this action refers to non-profit organizations facilitating the recycling training within the buildings or running the buildings sorting programs.
Strategy 4.6 Action ID144	• Remove reference to “ethnocultural” – could be misinterpreted as those communities are causing the issues or recycling and contamination – instead make reference to providing the resources in multiples languages.

Attachment 2

Performance Metrics

Performance Metrics

Stantec

Prepared for:
Metro Vancouver

Date:
October 29, 2025

Prepared by:
Stantec and sonnevera

Project/File:
133800068

Stantec Consulting Ltd.

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Appendix A Consolidated Performance Metrics

Executive Summary

Metro Vancouver is updating its Solid Waste Management Plan (SWMP) to guide regional waste management over the next decade. As part of this process, Metro Vancouver commissioned Stantec and Sonnevera to conduct a review of current performance metrics and identify opportunities to enhance measurement and tracking across the waste hierarchy.

The review included an assessment of existing metrics, a jurisdictional scan of practices across North America, and engagement with committees, organizations, and municipalities. Interviews were conducted with seven jurisdictions and four organizations, and feedback was gathered from three Metro Vancouver advisory committees. Additional research was completed for jurisdictions not interviewed to ensure broad coverage of performance methodologies.

Metrics were assessed using criteria developed collaboratively with Metro Vancouver staff and with input from advisory committees, including specificity, data quality, accessibility, and alignment with regional goals. The review identified opportunities to strengthen consistency, transparency, and coverage, particularly for reuse and waste prevention activities.

Committee and stakeholder feedback emphasized the importance of metrics that are actionable, inclusive, and aligned with broader sustainability objectives. A consolidated list of metrics has been provided to support Metro Vancouver in selecting indicators to track progress on strategies and actions in the updated SWMP.

This report outlines the methodology, findings, and considerations for performance tracking and provides a foundation for Metro Vancouver to develop a robust and adaptable performance measurement framework.

Glossary

Term	Definition
Disposal (disposed waste)	Waste going to landfill or Waste-to-Energy
Performance indicators	Specific performance metrics that indicate progress toward a given target (e.g., recycling rate)
Performance measurement methodology	A standard or written methodology that can be followed to obtain or calculate a given performance metric
Performance metrics	Data that can be used to track progress (e.g., tonnes of waste recycled)
Performance targets	A measurable state that can be used to assess progress toward a goal (e.g., 80% reduction from 2010 waste generation levels)
Recycling	Refers to both recycling and composting
Recycling rate	Refers to the amount of waste materials diverted from disposal through recycling and composting, typically expressed as a percentage.

1 Background

Metro Vancouver has commissioned Stantec to support the development of an updated plan through a series of technical tasks and engagement support, to provide direction for solid waste management for the next decade. As part of updating Metro Vancouver's Solid Waste Management Plan, Metro Vancouver has identified the need to review current performance metrics to help inform the development of future metrics and targets.

In 2022, Metro Vancouver conducted a jurisdictional scan of recycling statistics and methodologies, including a comparison of recycling rates, materials included as "recycled", and performance metrics used from 12 other jurisdictions in Canada and the United States.

Metro Vancouver is looking to expand and improve its performance metrics and performance indicators as part of the SWMP update. Stantec assisted Metro Vancouver staff with engagement of various committees to refine the research scope for the performance metrics review. Stantec gathered feedback from three stakeholder groups: the Regional Engineers Advisory Committee (REAC) Solid Waste Subcommittee, Solid Waste Management Plan Public / Technical Advisory Committee (PTAC), and Solid Waste and Recycling Industry Advisory Committee (IAC).

1.1 Scope of Work

This memorandum (memo) provides the key findings resulting from Stantec's scope of work for performance metrics.

Stantec reviewed Metro Vancouver's current performance metrics and considered Metro Vancouver's work completed to date, which includes the jurisdictional scan of recycling. Stantec has identified areas relating to performance metrics that can be explored further.

The goal of the review was to identify opportunities to improve current solid waste performance metrics and indicators. These can relate to assumptions, data collection and analysis methods used for calculations, data transparency, accessibility, reliability, and accuracy. As part of the review, metrics were considered across all levels of the waste hierarchy, including circular economy indicators linked to "Rethink." In collaboration with Metro Vancouver, Stantec established boundaries for this work to focus specifically on waste-related circular economy metrics. While broader circular economy considerations are relevant, they represent a large field that is not the primary focus of this research.

Following the internal review, Stantec conducted an external jurisdictional and organizational review of performance metrics and key performance indicators. Further, Stantec interviewed interested parties from stakeholder committees, jurisdictions and organizations and compiled additional performance metrics (quantitative and qualitative) for consideration in development of metrics and targets for the updated Solid Waste Management Plan.

Based on Stantec's research finding and analysis, Stantec identified potential metrics to be used at a high-level to achieve the defined goals for the updated Solid Waste Management Plan. Of the list of potential additional performance metrics provided, Metro Vancouver will be able to identify suitable metrics to use for tracking progress for the strategies and actions identified.

1.2 Metro Vancouver's Solid Waste Vision and Guiding Principles

Metro Vancouver has developed a draft hierarchy to help guide the development and implementation of its updated solid waste management plan, with a commitment to prioritize actions higher in the hierarchy to support a circular approach and protect the environment. This hierarchy is shown below.

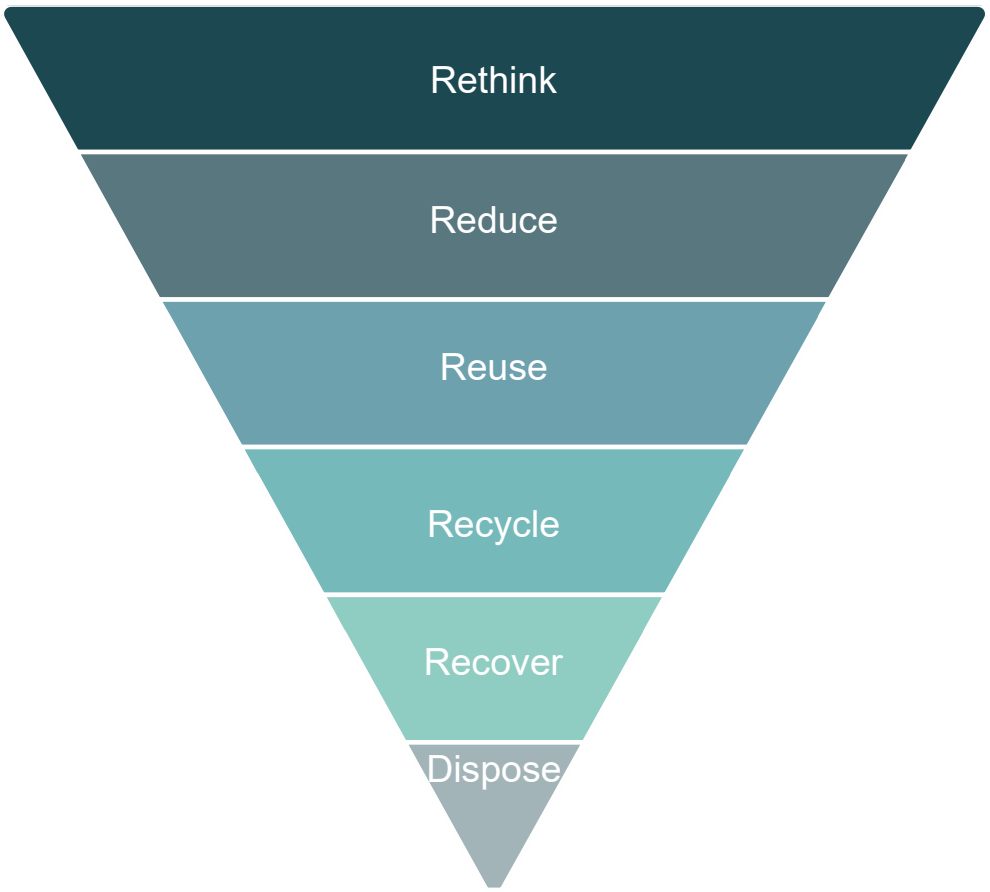

Figure 1: Metro Vancouver's Waste Hierarchy

Metro Vancouver has developed a new vision, along with guiding principles for the solid waste management plan update.

> **Vision**
>
> **"A thriving region where nothing is wasted and resources are valued."**



Figure 2: The vision and guiding principles for the updated solid waste management plan.

2 Current Performance Metrics

The currently approved Integrated Solid Waste and Resource Management Plan[i] (ISWRMP) from 2010 outlines four goals and targets for waste management as well as performance measures/metrics. The four goals identified in the ISWRMP are:

- Goal 1: Minimize waste generation.
- Goal 2: Maximize reuse, recycling, and materials recovery.
- Goal 3: Recover energy from the waste stream after material recycling.
- Goal 4: Dispose of all remaining waste in landfill, after material recycling and energy recovery.

2.1 Performance Targets

The ISWRMP includes two primary performance targets. The first target is for the Metro Vancouver region to reduce the quantity of waste generated per capita to 90% or less of 2010 volumes by 2020.[1] The second target is to increase the regional recycling rate[2] from an average of 55% in 2010 to a minimum of 70% by 2015, with an aspirational target of 80% by 2020.

[1] Calculated on a rolling 5 year average.
[2] The ISWRMP refers to the “diversion rate” while Metro Vancouver has more recently used the term “recycling rate”.

80%
Integrated Solid Waste and Resources Management Plan 2020 recycling target

65%
2023 recycling rate

4.5%
Per capita disposal rate decrease from 2022 to 2023.

26%
Per capita disposal rate decrease from 2011 to 2023.

The progress against these targets is reported in Metro Vancouver's annual and biennial reports[3], which also outline activities, campaigns, and programs conducted each year that are guided by the ISWRMP. The reports summarize the amount of waste recycled and disposed, using various performance metrics. Waste recycled includes material quantities separated into 14 material categories, including materials recycled through all 19 Extended Producer Responsibility (EPR)[4] programs based on data provided by the organizations responsible for those programs. Waste disposed consists of waste going to Metro Vancouver's Waste-to-Energy Facility, the Vancouver Landfill, and contingency landfills.

In 2023, Metro Vancouver reported that 65% of total waste in the region (2,393,360 tonnes) was recycled and 35% (1,269,643 tonnes) was sent for energy recovery at the Waste-to-Energy Facility or landfilled. Metro Vancouver also achieved an estimated 4.5% decrease in per capita disposal rate from 2022 to 2023 and a 26% decrease from 2011, when the current solid waste management plan was approved (to 2023). This 26% decrease in per capita disposal rate from 2011 to 2023 indicates that Metro Vancouver has surpassed the ISWRMP target of reducing waste generated per capita to 90% or less of 2010 volumes by 2020.

The 2023 annual report describes waste collected and processed for four sectors: multi-family, single-family, commercial/institutional, and construction/demolition. Sector performance is reported through use of metrics including tonnes recycled, tonnes disposed, recycling rate (%), and disposal in tonnes/capita and tonnes/household. These are calculated based on available information and assumptions which are provided in the annual reports.

Error! Reference source not found. presents the ISWRMP's sector-specific recycling targets and the 2 023 reported recycling rate.

Table 1. ISWRMP Recycling Targets and 2023 Recycling Rates[5]

ISWRMP Recycling Targets	2023 Recycling Rate
▪ 30% Multi-family	▪ 34% Multi-family
▪ 65% Single-family	▪ 62% Single-family
▪ 70% Institutional, commercial and industrial	▪ 50% Commercial/Institutional
▪ 80% Construction and Demolition	▪ 81% Construction and Demolition

[3] Available via URL: https://metrovancouver.org/services/solid-waste/reports-resources
[4] EPR programs, also called product stewardship programs, are industry managed and designed to make producers and consumers responsible for regulated products and packaging throughout their life cycles.
[5] The ISWRMP refers to the Institutional, commercial and Industrial sector while Metro Vancouver is now referring to the Commercial/Institutional sector.

The 2023 annual report also goes into detail on customer use of Metro Vancouver solid waste facilities, reuse estimates (not included in recycling rate calculations), comparison to previous years, methodology for calculating and estimating tonnages, and sources of data.

2.2 Key Performance Metrics

Metro Vancouver currently tracks solid waste performance using a set of core metrics that reflect waste generation, disposal, recycling and reuse[6].

The following list provides a more detailed look into the key performance metrics for solid waste management:

- Waste generation: total annual tonnes recycled plus disposed and expressed on a per-capita basis when described as Waste Generation Rate, total and by sector.
- Waste disposal: total annual tonnes disposed and expressed on a per-capita and per household basis when described as Waste Disposal Rate, total and by sector. Other disposal metrics include:
    - Tonnes dropped off at recycling and waste centres.
    - Waste-to-Energy Facility:
        - Percent of regions' garbage sent to the Waste-to-Energy Facility.
        - Number of homes powered by Waste-to-Energy Facility.
- Energy produced by Waste-to-Energy Facility.
- Recycling: total annual tonnes recycled and as a percentage of waste generation when described as Recycling Rate, total and by sector. Other recycling related metrics include:
    - Tonnes of recycled materials by category.
        - Tonnes of materials dropped off at recycling and waste centres.
- Services: number of annual regional recycling and waste centre customers.
- Reuse: estimated annual tonnes separated into nine material categories.

To create a more robust performance tracking system, for the updated Solid Waste Management Plan, Metro Vancouver is aiming to use an expanded suite of metrics which can help identify trends over time. This is especially important if quantitative data is difficult to obtain, such as when estimating reuse and overall waste prevention performance (rethink, reduce and reuse initiatives). Where applicable, metrics should also support alignment with other strategies, such as the Climate 2050 Roadmap.

2.3 Previous Related Studies

Metro Vancouver has undertaken several foundational studies to improve understanding and measurement of reuse, recycling, and circular economy performance. These efforts provide important context for the

[6] Reuse tracking is reported as estimates.

current review and have informed the development of potential metrics and assessment criteria. The following subsections summarize key findings from this previous work.

2.3.1 Estimated Reuse in Metro Vancouver

Metro Vancouver has provided estimates on reuse since 2018, based on a methodology developed in 2018 by Kelleher Environmental, in association with Maura Walker & Associates, as summarized in their report *Estimate of Reuse in Metro Vancouver*. Estimates come from multiple sources, including Metro Vancouver's survey results, reports, internet-based research, news articles, journals, and communication with organizations and businesses in the region.

2.3.2 Metro Vancouver Reuse Sector Assessment 2021

In 2021 a University of British Columbia Sustainability Scholar conducted a Reuse Sector Assessment for Metro Vancouver.[7] The purpose of the study was to enhance the methodology for estimating reuse developed by Kelleher Environmental. The Reuse Sector Assessment included a review of global best practices and regional reuse data.

A reuse estimate tool used in New York, called the Reuse Impact Calculator (RIC), was identified as a resource for Metro Vancouver to consider. However, the Reuse Sector Assessment concluded that regardless of the tools available, there are limitations, including data availability, inconsistency in how data is recorded and reported voluntarily, no interface for inputting numbers and conducting calculations easily, and the need for a dedicated team/network for data analysis.

2.3.3 Jurisdictional Scan of Recycling Statistics and Methodologies

In 2023, Metro Vancouver completed a scan of 12 North American jurisdictions that calculate and report on recycling rates. Information was collected from publicly available documents, such as annual reports, solid waste management plans, waste composition studies, and websites.

The reported recycling rate of each jurisdiction was reviewed in terms of materials included, data accessibility and methodology used, when available.

The following are Stantec's summary of key findings based on a review of the jurisdictional scan results:

- Methodologies for calculating and reporting recycling rates vary across jurisdictions, highlighting the need for greater standardization.
- Definitions of recycling and diversion rates vary across jurisdictions, limiting comparability and demonstrating the need for clearer terminology.

[7] METRO_VANCOUVER_REUSE_SECTOR_ASSESSMENT_Rawal.docx.pdf

- The reported performance often lacks published details on methodology and assumptions. It is unclear how different jurisdictions define sectors, what information sources are used to obtain data from each sector, and how much of the data comes from verified sources (e.g., licensed facilities[8]). Materials included in recycling calculations were not always evident. Data on construction, demolition, and commercial/institutional recycling is often limited due to reliance on private facilities, suggesting a need for improved data-sharing mechanisms.
- Not all jurisdictions had publicly available up to date data (2020 or later).
- Two of the reviewed jurisdictions (Toronto, 52% diversion in 2021 and Edmonton, 32% diversion in 2021) use the Residential – Manual on Generally Accepted Principles (GAP) for Calculating Municipal Solid Waste System Flow. This methodology only includes residential waste and therefore may be best applied in jurisdictions where only residential waste data is available. The GAP methodology calculates diversion rate as the total amount of diverted materials divided by total waste generation, where total generation is the sum of total diversion and total disposal.[9]

3 Methodology

3.1 Jurisdiction, Organization and Committee Review and Input

As part of the performance metrics review, an initial list of jurisdictions and organizations was developed in collaboration with Metro Vancouver staff. The list included jurisdictions with innovative practices, strong outcomes, or robust data tracking related to solid waste management. While interviews were conducted with a subset of these jurisdictions and organizations, additional research was completed for those not interviewed. This included a review of publicly available reports, plans, and data sources to ensure broad coverage of performance metrics and methodologies. The following subsections summarize the engagement process and input received from jurisdictions, organizations, and committees. In total, seven jurisdictions, four organizations, and four Metro Vancouver Public/Technical Advisory Committee members were interviewed.

3.1.1 Jurisdictions

Jurisdictions were selected based on innovative practices, robust data tracking, and strong outcomes, with respect to solid waste management programming and performance. Jurisdictions outside of Metro Vancouver interviewed included:

- City of Montreal

[8] Metro Vancouver's Bylaw 181 regulates the management of municipal solid waste and recyclable materials at privately owned or operated facilities through solid waste licenses.
[9] Complete-GAP-Manual.pdf

- City of Victoria
- City of Rotterdam
- City of Toronto
- Oregon Metro
- Recyc-Quebec

In terms of selecting sample jurisdictions within Metro Vancouver, the City of Richmond was interviewed based on their strong circular economy policies and programs related to waste prevention and management performance.

While metrics from additional jurisdictions were reviewed, interviews were not conducted in cases where Stantec did not receive a response, or where literature reviews indicated limited metrics. These jurisdictions included:

- King County
- City of Halifax
- Strathcona County
- San Francisco
- City of Calgary
- District of Squamish

3.1.2 Organizations

Organizations were selected based on their alignment to Metro Vancouver's solid waste priorities, with a focus on those demonstrating leadership in program delivery, innovation, or data tracking. Interviews were prioritized with local organizations with whom Metro Vancouver already had established relationships, to build on existing collaboration and knowledge. The following organizations were interviewed by Stantec and Metro Vancouver staff:

- Recycling Council of BC
- Food Mesh
- Invest Vancouver
- BCIT

Additional organizations that are considered global leaders were considered, and Stantec reached out to several international leaders such as the Finnish Innovation Fund (SITRA), Syke, WRAP UK, and the Ellen MacArthur Foundation. These organizations were found to focus primarily on circular economy frameworks, with little emphasis on solid waste performance metrics, and were therefore not included in the interview phase. While these groups were not included in the interview phase, some high-level insights from their published work were incorporated into the broader review.

3.1.3 Committees

Presentations on project scope, methodology, and outcomes were presented to Metro Vancouver committees between summer 2023 and summer 2025 as shown in the following table.

Table 2. Committee Meetings Dates

Committee	Date	Feedback/information session
REAC SW	July 27, 2023	Scope of work – feedback
PTAC	September 7, 2023	Scope of work – feedback
IAC	September 12, 2023	Scope of work - feedback
PTAC	September 13, 2024	Considerations for evaluating metrics - feedback
REAC SW	September 26, 2024	Considerations for evaluating metrics - feedback
IAC	October 8, 2024	Progress update - feedback
IAC	April 8, 2025	Metrics to consider for targets - feedback
REAC SW	April 10, 2025	Metrics to consider for targets - feedback
PTAC	April 10, 2025	Metrics to consider for targets - feedback

Four Public/Technical Advisory Committee members were also interviewed to obtain background information on relevant metrics and suggestions for jurisdictions to include in the review.

Feedback during the committee meetings was recorded and used to align metrics with Metro Vancouver's waste hierarchy, as well as help shape the potential metrics. Committee members were also encouraged to provide individual feedback via email to Metro Vancouver staff.

3.2 Criteria for Assessing Metrics

The metrics identified through the jurisdictional and organizational review were assessed against a set of criteria developed collaboratively with Stantec and Metro Vancouver staff. Metrics were documented as presented in the source material/interviews. For example, if a jurisdiction reported a metric as directly measured, it was documented that way, even if Metro Vancouver would need to estimate it due to local data limitations. Duplicate metrics were consolidated, and terminology was standardized for consistency. Metro Vancouver then conducted a localized review to evaluate feasibility and relevance within the regional context. The criteria used is as follows:

Specificity	How specific is the data that the metric is measuring?
Data type	Is the data set qualitative, quantitative, or a combination of both?
Data Quality	Is the data measured or estimated?
Data frequency	How often is the data measured/reported (e.g., monthly, yearly)?
Data source	What level of government, or private sector, is the data coming from (e.g., federal, provincial, etc.)?
Effort	Is measuring and reporting on the metric resource intensive (e.g., time, staffing, etc.)?
Data accessibility	How often is the metric being reported on (e.g., monthly, yearly, etc.)?

4 Considerations/Feedback

This section of the report presents high-level metrics that could support Metro Vancouver with performance tracking through the implementation of the updated plan. These options reflect input from all facets of the scope of this memo, including committee member feedback, literature reviews, and interviews.

4.1 Committees

The feedback below was gathered through committee meetings and interviews with committee members who requested the opportunity to share additional input. They highlight implications for the development and use of performance metrics.

> **"There is an opportunity to increase transparency and comprehension of regional trends if metrics presented as per capita amounts are also presented as regional totals."**
>
> 💬

Feeback from interviews and committee meetings is summarized below:

- **Keep Metrics Action-Focused**
  If numerical data is not available or difficult to acquire, focus on tracking actions being taken. Some metrics might need more research to understand how to best gather the data and report on it.

Therefore, the solid waste management plan should include steps to develop those methods over time.

- **Think System-Wide**
  Metrics should reflect more than technical performance. Qualitative metrics are valuable in addition to quantitative metrics. Qualitative metrics can show how behaviour is being influenced, the effect of changes in policy, etc.
- **Use Partnerships to Fill Gaps**
  Work with municipalities, businesses, non-profits, and the province to improve data access. Many groups already collect useful data and Metro Vancouver can help compile and standardize it.
- **Make It Easier for Businesses to Share Data**
  Offer support for data tracking and reporting. If reporting is seen as useful, not just a burden, businesses may be more likely to participate.
- **Standardize Where Possible**
  A regional or provincial approach to tracking data would reduce duplication and make it easier for smaller municipalities to participate. Municipalities often have fewer resources for data tracking and reporting; measures to reduce the burden will increase data availability and participation. Aligning with guidelines set by higher levels of government can help with consistency and comparability.
- **Connect Metrics to Climate and Circular Economy Goals**
  Waste metrics are closely tied to circular economy goals and climate action. They should align with broader targets, such as Sustainable Development Goals, and help show how waste contributes to climate impacts.
- **Use Third Parties to Manage Sensitive Data**
  Bringing in a neutral third party to handle confidential data could help build trust and encourage more open reporting.
- **Present Metrics in Multiple Ways**
  To better understand regional trends, show metrics both per capita and as regional totals. This helps clarify whether population growth is driving changes in waste generation.

> **"As we move forward on Extended Producer Responsibility (EPR) we should continue to look at how we build robustness in the source of data either through third party verification, more sampling or regulatory framework for producers/waste collectors/recyclers to report."**
>
> 💬

Additionally, during interviews, Stantec asked committee members what their 'wishes', or desired outcomes, were for performance metrics related to the updated solid waste management plan. Feedback included:

- Ensure Actionable Data: Ensure metrics help identify problems and support change, not just reporting.
- Provide Clear Definitions: Definitions are important, for example, ensure terms like "recycling" and "diversion" reflect environmental outcomes and public understanding.

- Improve Transparency: Track and report clearly on incineration, landfill, ash management, and emissions.
- Support Growth of the Reuse Sector: Collect data that shows the current impact and potential of reuse and repair to justify investment.

4.2 Organizations

Stantec reached out to both Sitra (Syke) and the Ellen MacArthur Foundation regarding waste-related circular economy metrics. Both organizations indicated that they did not have much to offer in terms of direct or practical metrics at the municipal or regional level, noting that their work has focused more on performance metrics from a business perspective and less on policy or city-level applications. Additionally, their work has a heavy focus on circular economy measures. However, they shared several documents containing high-level and strategic considerations, which are outlined below.[10][11][12]

One consistent message Stantec received was that data reporting in the solid waste sector presents several persistent challenges, including delays in data availability, inconsistencies in reporting practices, and limitations in verifying self-reported information. These challenges present an opportunity to strengthen the reliability and comparability of performance metrics across regions and sectors. Additionally, confidentiality concerns and a lack of data tracking systems further complicate efforts to achieve transparency and consistency. Limited resources for data validation and analysis also highlight an opportunity for investment in data infrastructure.

To see success, collaboration among stakeholders, such as governments, service providers, and industry groups, is essential to overcome barriers. Working together can help align methodologies, improve data quality, and support the development of more effective and transparent reporting frameworks.

Summarized feedback from the organizations include:

- **Data Gaps and Inconsistencies Are Common**
  Tracking progress is tough when data systems are fragmented, reporting practices vary, and regional data isn't always available. Estimates are often used, but they can introduce uncertainty. To improve reliability and comparability, it's important to clearly document the assumptions behind

[10] Ellen MacArthur Foundation. *Key Messages – Major Learnings from Developing Measurement Frameworks for Businesses and Governments*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[11] Ellen MacArthur Foundation. *Monitoring the Circular Economy in Cities and Regions*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[12] Finnish Environment Institute. *Regional Household Waste Volumes and Recycling Rates – Description of the Calculation Method*. Circwaste Key Indicator and Fisu Monitoring Indicator, 2020.

each metric and acknowledge any limitations in the data. Transparency can help with understanding the impact of reported outcomes or compare performance across jurisdictions.[13][14][15]

- **Collaboration Makes a Big Difference**
  Getting reliable data depends on strong collaboration between governments, waste companies, researchers, and producer responsibility organizations. Shared methods and coordinated efforts help improve consistency and make the data more useful.[16][17][18]
- **Measurement Should Be Practical and Useful**
  Metrics should support decision-making, help set priorities, and guide investments. It is important to lead by example.[19]
- **Supplementary Data Helps Fill Gaps**
  When regional data isn't available, national stats and population-based estimates are used. These are helpful but may not always reflect what's happening locally, so they should be used with caution.[20][21]
- **Standardization Would Help Everyone**
  A core set of indicators that can be used across different regions and stages of progress would make it easier to compare results, share learnings, and track impact over time.[22]
- **Link to Bigger Goals**
  Circular economy work, and related tracking should connect to broader agendas like climate action,

[13] Finnish Environment Institute. *Regional Household Waste Volumes and Recycling Rates – Description of the Calculation Method*. Circwaste Key Indicator and Fisu Monitoring Indicator, 2020.
[14] Ellen MacArthur Foundation. *Key Messages – Major Learnings from Developing Measurement Frameworks for Businesses and Governments*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[15] Ellen MacArthur Foundation. *Monitoring the Circular Economy in Cities and Regions*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[16] Finnish Environment Institute. *Regional Household Waste Volumes and Recycling Rates – Description of the Calculation Method*. Circwaste Key Indicator and Fisu Monitoring Indicator, 2020.
[17] Ellen MacArthur Foundation. *Key Messages – Major Learnings from Developing Measurement Frameworks for Businesses and Governments*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[18] Ellen MacArthur Foundation. *Monitoring the Circular Economy in Cities and Regions*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[19] Ellen MacArthur Foundation. *Key Messages – Major Learnings from Developing Measurement Frameworks for Businesses and Governments*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[20] Finnish Environment Institute. *Regional Household Waste Volumes and Recycling Rates – Description of the Calculation Method*. Circwaste Key Indicator and Fisu Monitoring Indicator, 2020.
[21] Ellen MacArthur Foundation. *Monitoring the Circular Economy in Cities and Regions*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[22] Ellen MacArthur Foundation. *Key Messages – Major Learnings from Developing Measurement Frameworks for Businesses and Governments*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.

biodiversity, and the UN's Sustainable Development Goals. This helps build momentum and unlock funding.[23]

- **Keep Improving the Approach**
  Monitoring frameworks should evolve as better data becomes available. Updating past results and refining methods over time is key to making the data more reliable and useful.[24][25]
- **Metrics Can Support Engagement**
  Good measurement tools help organizations track progress, identify areas for improvement, and engage stakeholders both internally and externally.[26]

5 Summary and Next Steps

Based on the analysis of Metro Vancouver's solid waste management principles and the waste hierarchy framework, the following considerations outline a comprehensive approach to establishing measurable goals and tracking mechanisms for the updated solid waste management plan.

5.1 Goals

Metro Vancouver has defined the goals for the updated solid waste management plan aligned with each level of the waste hierarchy. For each goal, a corresponding metric is suggested to help Metro Vancouver track progress over the plan implementation period. The goals and metrics are presented in the figure below, with the metrics in brackets below each goal. Each bracketed metric is written as a performance indicator, reflecting the desired trend over time (e.g., "decrease total waste generation"), and is intended to support tracking progress toward the plan's goals.

[23] Ellen MacArthur Foundation. *Key Messages – Major Learnings from Developing Measurement Frameworks for Businesses and Governments*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[24] Finnish Environment Institute. *Regional Household Waste Volumes and Recycling Rates – Description of the Calculation Method*. Circwaste Key Indicator and Fisu Monitoring Indicator, 2020.
[25] Ellen MacArthur Foundation. *Monitoring the Circular Economy in Cities and Regions*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.
[26] Ellen MacArthur Foundation. *Key Messages – Major Learnings from Developing Measurement Frameworks for Businesses and Governments*. 5th OECD Roundtable on the Circular Economy in Cities and Regions, 2023.

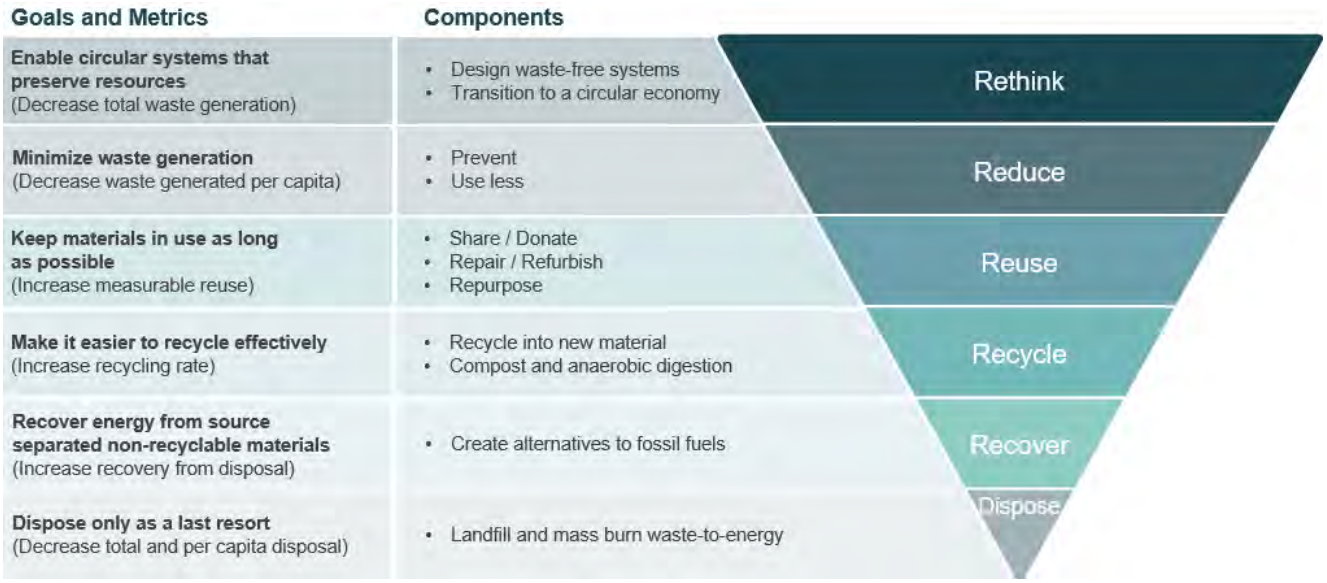

Figure 3: Metro Vancouver Updated Solid Waste Management Plan Goals and Associated Metrics.

5.2 Next Steps: Metrics for Strategies and Actions

Next steps involve Metro Vancouver developing a set of performance metrics to track progress on strategies and actions in the updated solid waste management plan. Since these strategies and actions are still under development, Stantec has not proposed specific metrics at this stage. However, a comprehensive list of consolidated metrics based on research and interview results has been provided to support Metro Vancouver in selecting appropriate indicators for the final plan. The consolidated metrics can be found in Appendix A.

To reflect progress in all areas of the solid waste management plan, from individual actions to broader strategies and goals, Metro Vancouver can consider selecting a suite of metrics. This suite should include both quantitative and qualitative indicators and be assessed collectively rather than in isolation. For example, an increase in recycling rate can be a positive indicator of progress when accompanied by a decrease in total waste generation. Combining the assessment of performance metrics will give a better indication of progress and help ensure that overall progress aligns with the plan's guiding principles and goals.

Appendix A Consolidated Performance Metrics

This document provides an overview of solid waste management performance metrics consolidated from interviews and email communication with jurisdictions and organizations. This document is intended to be used as reference for the development of performance metrics specific to Metro Vancouver as a part of the updated solid waste management plan. The data presented in this document is provided and assessed against the criteria shown below. Data is not assessed based on the jurisdiction that provided the information but not assessed specifically for applicability to Metro Vancouver.

This document is intended to help Metro Vancouver develop a suite of metrics that aligns with their goals, strategies, and actions. It is anticipated that performance metrics will need to be adapted and criteria adjusted to align best with Metro Vancouver's new strategies and actions as a part of the updated solid waste management plan.

The legend for each criteria is provided below.

Specificity Broad = related to an overall goal Targeted = related to a specific strategy Program Specific = related to a specific program/initiative	**Data Type**	**Data Quality**	**Data Frequency**	**Data source** Regional District (RD) Municipality (M) Private (P) Provincial (PV) Federal (F) Unknown (U)	**Effort** low = not many resources required (e.g., data is available internally or already being collected) medium = some resources required high = resource heavy (e.g., may require a research study and likely comes from multiple data sources)	**Data accessibility** low = difficult to access (e.g., data comes from many sources or minimally available) medium = some data available high = easier to access (e.g., data is available internally)
Broad Targeted Program Specific	Qualitative Quantitative Both	Estimate Measured	Monthly Yearly Biennial Other	RD MM P U RD, MM RD, MM, P MM, P RD, P PV FD PV, FD RD, PV, FD RD, MM, P, PV, FD	Low Medium High	Low Medium High

Colour Coding	
Rows in blue	Jurisdiction
Rows in green	Organization

Performance Metrics Analysis

Priority / Interest	Category	Adapted Metric/Indicator (specific performance metrics that indicate progress towards a given target / data that can be used to track progress)	Specificity	Data Type	Data Quality	Data Frequency	Data Source	Effort	Data Accessibility
Climate	CO_2e Emissions	Tonnes of CO2e emissions associated with products and materials consumed by greater region (consumption based emissions): includes food, home and entertainment, apparel, vehicles, home building/maintenance, and waste	Targeted	Quantitative	Measured	Yearly	RD, M, P	High	Low
		% of CO2e consumption based emissions generated in region vs out of region by greater region	Targeted	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		Annual tonnes of CO2e reduced related to solid waste system (open landfills, fleet vehicles, renewable natural gas)	Broad	Quantitative	Measured	Yearly	RD, M, P	Medium	Medium
		Kg CO2 saved through specific initiatives (e.g., community composting)	Program Specific	Quantitative	Estimate	Yearly	RD, M	Medium	Low
		Greenhouse Gas emission reduction from landfill gas management (flaring) (CO2e)	Targeted	Quantitative	Estimate	Yearly	RD, M	Medium	High
		CO2 emissions from generation and disposal of waste	Broad	Qualitative	Estimate	Other	RD, M	Medium	High
		Tonnes of particulate and CO_2 emissions from solid waste fleet vehicles	Broad	Quantitative	Quantitative	Yearly	RD, M	Medium	Medium
		% total emissions reduction from baseline year (1990) from landfilled organics/solid waste	Targeted	Quantitative	Estimate	Other	RD, M	Medium	
		tonnes of CO2e emitted from landfilled organics/solid waste	Targeted	Quantitative	Estimate	Other	RD, M	Low	High
		tonnes of CO2e per tonne food loss and waste	Targeted	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		consumption based emission inventory	Broad	Quantitative	Estimate	Other	RD, M, P	High	Low
		ecological footprinting	Broad	Qualitative	Estimate	Other	RD, M, P	High	Low
Outreach	Youth	# of youth reached by environmental literacy programs (other metrics include specificity to youth of colour and those economically disadvantaged)	Program Specific	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		# of participant hours of youth volunteering and training	Program Specific	Quantitative	Measured	Yearly	RD, M, P	High	Low
	General Public	# of online interactions with education resources	Targeted	Quantitative	Measured	Yearly	RD, M	Medium	Medium
		# of waste service calls	Targeted	Quantitative	Measured	Monthly	RD, M	Low	High
		# of recycling app installations (specific metrics include # of reminders, calendar downloads and recycling games played)	Targeted	Quantitative	Measured	Monthly	RD, M	Low	High
		# of searches on recycling app	Broad	Quantitative	Measured	Monthly	RD, M	Low	High
		surveys at transfer station on types of waste brought, origin of waste, reason for self-hauling, frequency of self-hauling, willingness to separate materials	Targeted	Quantitative	Measured	Other	RD, M	High	Medium
		customer satisfaction rating for servivices provided	Targeted	Both	Measured	Yearly	RD, M	Low	Medium
		Social media engagement	Targeted	Qualitative	Estimate	Monthly	RD, M	Medium	Medium
		public opinion survey around attitudes	Targeted	Both	Measured	Yearly	RD, M	Low	Medium
		street cleanliness, scored on a 5.0 scale (5 = A+, 1=F) by residents (surveys)	Broad	Qualitative	Estimate	Biennial	M	Low	Medium
		# of attendees for # of outreach activities	Program Specific	Quantitative	Measured	Yearly	RD, M	Low	High
		# of MF units provided with waste education	Program Specific	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		resident satisfaction with quality of garbage, recycling, and composting services assessed through online surveys	Program Specific	Qualitative	Estimate	Other	RD, M	Low	Low
	Students	# of solid waste ambassadors and # hours of volunteering and training	Program Specific	Quantitative	Measured	Yearly	RD, M	Low	High
		# of waste related special events attended and hours spent by waste ambassadors	Program Specific	Quantitative	Measured	Yearly	RD, M	Low	High
		# of meetings, planning sessions and hours held by waste ambassadors	Targeted	Quantitative	Measured	Yearly	RD, M	Low	High
		# of training and networking sessions and hours for waste ambassadors	Targeted	Quantitative	Measured	Yearly	RD, M	Low	High
		# of classroom presentations and students participating	Program Specific	Quantitative	Measured	Yearly	RD, M	Low	High
		# of school tours of waste facilities	Program Specific	Quantitative	Measured	Yearly	RD, M	Low	High
Circular Economy	Behaviour Change	% reduction in the primary use of raw materials	Targeted	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		% of population partaking in circular behaviour related actions	Targeted	Quantitative	Estimate	Yearly	RD, M, P	High	Low
	Local Capacity Building	# of new innovative waste projects supported	Targeted	Quantitative	Measured	Yearly	RD, M, P	High	Low
		# of companies that contribute directly to the circular economy	Targeted	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		# new circular initiatives completed	Targeted	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		# new jobs created by circular economy	Broad	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		% total number of jobs that are circular	Broad	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		# of credits of circular economy courses offered in universities of applied sciences / academic calendar year	Program Specific	Quantitative	Measured	Yearly	P	Medium	Medium
		% of collected recyclables sold to domestic markets	Broad	Quantitative	Measured	Yearly	RD, M, P	Medium	Medium
		Total $ value of support provided to organizations and businesses that help residents reuse, repair, and share materials	Program Specific	Quantitative	Estimate	Yearly	RD, M, P	Medium	Low

Priority / Interest	Category	Adapted Metric/Indicator (specific performance metrics that indicate progress towards a given target / data that can be used to track progress)	Specificity	Data Type	Data Quality	Data Frequency	Data Source	Effort	Data Accessibility
Equity	Income/ Finances	Median salary (euros/year) in circular economy sectors (recycling; repair and reuse; other circular economy sectors; all economic sectors)	Targeted	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		Median wage in the waste management industry for managers/professionals and frontline/administrative staff (other metrics include specificity to race, ethnicity and gender)	Targeted	Quantitative	Measured	Yearly	RD, M, P	High	Low
		Share of jurisdictions that offer a low-income rate assistance program for residential collection services	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		Share of solid waste spending that goes to locally owned, minority-owned and woman-owned businesses and to community organizations	Program Specific	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		Share of grant funding awarded to projects that benefit marginalized communities	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		Typical curbside residential bill as a percent of median income	Targeted	Quantitative	Estimate	Yearly	RD, M, P	High	Low
	Diversity	% diversity by race, ethnicity and gender in solid waste committees	Targeted	Quantitative	Estimate	Yearly	RD, M, P	High	Low
		Share of solid waste workforce that is people of colour and women (other metrics include specificity to race, ethnicity, and gender)	Program Specific	Yearly	Quantitative	Measured	RD, M, P, PV, FD	Medium	Medium
	Training	Share of local government and solid waste service providers that have gone through cultural competency training	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
	Assitance Programs	% of jurisdictions that offer a low-income rate assistance program for residential collection services	Program Specific	Quantitative	Measured	Yearly	M	Low	High
		Cumulative $ of contracts awarded to disabled/minority/woman/emerging small business/service-disabled veteran business enterprise firms that support waste collection services	Program Specific	Quantitative	Estimate	Yearly	RD, M, P	High	Low
Convenience	Proximity	accessibility of services (distance from home to facility to donate, distance to drive to facility)	Targeted	Quantitative	Estimate	Yearly	RD, M	Medium	Medium
		% of citizens that can access the nearest drop-off site for plastic packaging waste/e-waste/reusable textiles within a certain distance from home (0-1kms, 1-2kms, 2-5kms, >5 kms), by facility	Targeted	Quantitative	Estimate	Yearly	RD, M	Medium	Medium
		% of population within 20 mins of nearest self-haul facility by material type	Targeted	Quantitative	Estimate	Yearly	RD, M	Medium	Medium
		% of population within 20 mins of nearest commercial facility by material type	Targeted	Quantitative	Estimate	Yearly	RD, M	Medium	Medium
		% of population within 15 mins of nearest public recycling and bulky waste depot	Targeted	Quantitative	Estimate	Yearly	RD, M	Medium	Medium
Improving the Waste Management System	Feedback	location of people (where in the region) asking waste related questions	Broad	Quantitative	Estimate	Monthly	M, P	Medium	Medium
		demographics of people asking waste related questions	Targeted	Both	Measured	Monthly	M, P	Medium	Medium
	Emergency Preparedness	$ saved to address disaster debris	Targeted	Quantitative	Measured	Yearly	RD, M	Low	High
		# of jurisdictions with disaster debris plans	Targeted	Quantitative	Measured	Yearly	M	Low	High
		tonnes of capacity to manage disaster debris	Targeted	Quantitative	Estimate	Yearly	M	Low	Medium
Sharing prosperity	Professional Development	# of commercial driving licenses obtained through a driving diversity program	Program Specific	Quantitative	Measured	Yearly	P	Medium	Medium
		# of people trained for garbage and recycling careers through government initiatives	Program Specific	Quantitative	Measured	Yearly	RD, M, P, PV, FD	High	Medium
		# of people that became environmental promoters or master recyclers	Targeted	Quantitative	Measured	Yearly	RD, M, P	High	Low
	Supporting Marginalized Communities	% of community enhancement grant dollars awarded to waste projects that benefit marginalized communities	Program Specific	Quantitative	Measured	Yearly	RD, M	Low	High
Waste Prevention	Procurement	% reduction of cases of copy paper purchased	Targeted	Qualitative	Measured	Yearly	RD	Low	High
	Services	# of people helped by waste prevention experts	Program Specific	Quantitative	Estimate	Yearly	RD, M, P	High	Medium

Priority / Interest	Category	Adapted Metric/Indicator (specific performance metrics that indicate progress towards a given target / data that can be used to track progress)	Specificity	Data collection frequency	Data type	Data Quality	Data Source	Effort	Data Accessibility
Reduce	Funding	$ awarded to waste reduction projects	Targeted	Yearly	Quantitative	Estimate	RD, M, P	Low	Medium
	Reusables	% citizens that favour purchase of bulk or low-packaging products as often as possible	Program Specific	Yearly	Quantitative	Estimate	RD, M, P	High	Low
	Single-use Items	count and brands for single-use items in specific streetscape bins	Program Specific	Biennial	Quantitative	Estimate	RD, M	Medium	High
	Zero Waste	$ spent on source separated waste collection streets program	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
		# source separated waste stations added per year (streetscape collection)	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
	Food	# organizations in food recovery network	Targeted	Yearly	Quantitative	Measured	P	Low	High
		tonnes of food rescued	Targeted	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		edible food vs non-edible disposed in tonnes	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		end destination of food (landfill vs rescue vs compost) in tonnes	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		network growth year over year of food waste rescue organizations	Program Specific	Yearly	Quantitative	Measured	P	Medium	Medium
		% of total food loss waste (FLW), edible food loss waste (EFLW) and associated non-edible parts (ANEP) in proportion to foods entering the food system	Program Specific	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		edible food loss waste (EFLW) and associated non-edible parts (ANEP) as proportion of total FLW	Program Specific	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		tonnage and % of total food loss waste food loss waste (FLW)	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		tonnage and % of edible food loss waste (EFLW)	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		total food loss waste (FLW) volumes by destination	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		comparitive differences in volume of edible food loss waste (EFLW) and associated non-edible parts (ANEP) (%) year to year	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		% of municipal organizations that set up an organic materials collection program	Targeted	Yearly	Quantitative	Measured	M	Low	High
		% of households served that consider organic material recovery a simple task	Program Specific	Yearly	Quantitative	Estimate	RD, M	Low	High
		# initiatives implemented related to reducing food waste	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Medium
		total recycling rate for organic materials	Targeted	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		kg surplus fruit and veggies redistributed through urban harvest programs (or similar)	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
	Regulations	# of new provincial or federal laws to reduce plastic waste	Program Specific	Yearly	Quantitative	Measured	RD, PV, FD	Low	High
Reuse	C&D	estimated wood salvage from reuse, sale or donation provided in material salvage and disposal report	Program Specific	Yearly	Qualitative	Estimate	RD, M	Medium	Medium
		tonnes construction and demolition materials brought to recycling facilities	Targeted	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
	Sharing	# library item loans / 1000 citizens	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		# of city bikes used / 1000 citizens	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
	Procurement	annual # of procurement processes that include waste reduction, reuse or recycling requirements	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
	Circular Economy	number of reusable cups being used in local programs	Program Specific	Other	Quantitative	Estimate	RD, M, P	Medium	Medium
		% waste reused	Broad	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		change in textile quantities in garbage bins (single-family and multi-family residential, each in kg/unit or kg/capita)	Program Specific	Yearly	Quantitative	Measured	RD, M	High	Low
		# of homes relocated	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Medium	High
		kg of textiles collected for donation in curbside textiles collection program	Program Specific	Yearly	Quantitative	Measured	RD, M	Medium	High
Repair	Circular Economy	# of employees in the repair/reuse sector by material type	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		kg of clothing repaired in sewing repair hubs	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		# bicycles repaired/refurbished at bicycle repair hubs	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		# of items repaired at repair events (including type of item, age of participants, etc.)	Targeted	Yearly	Quantitative	Measured	RD, M, P	Low	High
Behaviour Change	General Public	tracking data from behaviour change campaigns through social media (clicks, time spent on sites like rethink waste and community ideas hub)	Broad	Yearly	Both	Measured	RD, M	Medium	High

Priority / Interest	Category	Adapted Metric/Indicator (specific performance metrics that indicate progress towards a given target / data that can be used to track progress)	Specificity	Data Frequency	Data Type	Data Quality	Data Source	Effort	Data Accessibility
Recycling	Printed Paper and Packaging (PPP)	tonnes recycled by material type and generator type (e.g., residential, curbside, etc.)	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		tonnes of glass received, % all materials that are glass, % glass sent to various endpoints	Program Specific	Yearly	Quantitative	Measured	RD, M	Medium	Medium
		regional recycling data from recycling program	Targeted	Yearly	Quantitative	Measured	RD	Low	High
		tonnes/tons collected at the recycling depot	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
	Large / Bulky Items Pick Up	# of residential units that received the service	Program Specific	Monthly	Quantitative	Measured	RD, M	Low	High
		# of requests for service	Program Specific	Monthly	Quantitative	Measured	RD, M	Low	High
		tonnes/year/jurisdictions of bulky materials collected	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		tonnes/year/jurisdictions of bulky materials reused or recycled	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		# of mattresses collected	Targeted	Yearly	Quantitative	Measured	RD, M, P	Low	High
	Textiles	tonnes/year/jurisdiction textiles collected	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		tonnes / year textiles recycled	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
	Other / Mixed Recyclables	tonnes of car seats collected by the recycling depot	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		tonnes of propane/butane & fire extinguishers collected by the recycling depot	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		residential recycling rates by sector (e.g., residential and non-residential)	Targeted	Yearly	Qualitative	Estimate	RD, M	High	Medium
		tonnes/year/jurisdiction recyclable materials generated and collected	Targeted	Yearly	Quantitative	Measured	RD, M, P	High	Low
		destination of outgoing materials for processing and recycling (excluding use in landfills)	Targeted	Monthly	Qualitative	Measured	RD, M, P	Low	High
		$/tonne (value) of recycled materials	Targeted	Monthly	Quantitative	Measured	RD, M, P	Low	High
		tonnes recyclable materials sent to disposal by sector	Targeted	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		% and tonnes rejected, stored, not yet recycled	Targeted	Monthly	Quantitative	Measured	RD, M, P	Low	High
		kg/resident of recycling	Program Specific	Monthly	Quantitative	Measured	RD, M, P	Low	High
	Construction and Demolition	tonnes construction and demolition materials brought to recycling facilities	Targeted	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		% total construction and demolition waste generated brought to recycling facilities	Targeted	Yearly	Quantitative	Measured	RD, M, P	High	Low
		% increase/decrease in tonnes brought to recycling facilities from previous years	Targeted	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		approx % of total quantity of construction and demolition waste from building industry	Targeted	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		% total outgoing tonnes of material from construction and demolition recycling facilities	Targeted	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		tonnes of outgoing materials based on destination	Targeted	Yearly	Both	Measured	RD, M, P	Medium	Medium
		tonnes wood waste recycled	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		appox % and tonnes of wood waste imported from outside the region and approx % increase from previous years	Program Specific	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		estimated total tonnes sent to disposal that could have been recycled	Targeted	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		tonnes/year recycling rate of construction and demolition waste	Targeted	Yearly	Quantitative	Measured	RD, M, P	High	Low
		tonnes/year/jurisdictions of construction and demolition generated	Targeted	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		construction and demolition debris diversion	Targeted	Yearly	Quantitative	Estimate	RD, M, P	Medium	Low
		tonnes / year downcycled demolition waste	Program Specific	Yearly	Quantitative	Estimate	RD, M, P	High	Low
	Extended Producer Responsibility (EPR)	tonnes of extended producer responsibility materials collected at the recycling depot	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
	Analysis of Collected Materials Streams	% of total recycled materials collected at the recycling depot	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
		% solid waste generated in city that is recycled	Targeted	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		% of total materials collected through the Blue Box and Cart programs	Targeted	Yearly	Quantitative	Measured	RD, M, P	Low	High
	Contamination	contamination rate for in and out-bound recyclables at material recovery facilities in the region	Program Specific	Other	Quantitative	Measured	RD, M, P	Medium	Medium
		% of recycling contamination by sector (single-family, multi-family, and commercial properties)	Program Specific	Other	Quantitative	Measured	RD, M, P	High	Low
	Household Hazardous Waste	kg/person/year of electronic waste generated	Program Specific	Yearly	Quantitative	Estimate	RD, M	Medium	Medium
		tonnes/year/jurisdiction hoiusehold hazardous waste collected	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Low	High
	Services	# of vehicle visits to the recycling depot	Program Specific	Monthly	Quantitative	Measured	RD, M	Low	High

Priority / Interest	Category	Adapted Metric/Indicator (specific performance metrics that indicate progress towards a given target / data that can be used to track progress)	Specificity	Data Frequency	Data Type	Data Quality	Data Source	Effort	Data Accessibility
Composting	Programs	# composting workshops/events from local community programs	Targeted	Yearly	Quantitative	Measured	RD, M	Medium	Medium
	Food Scraps and Yard Trimmings	tonnes/year, and %, of organic material generated, cllected, and composted	Broad	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		single-family and multi-family residential tonnes, %, kg/unit, and kg/capita Green Cart material collected	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		tonnes of garden/yard waste collected through private facilities	Program Specific	Yearly	Quantitative	Measured	P	Medium	Medium
		tonnes garden/yard waste brought to drop-off depots/transfer stations	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		tonnes/month and composition of organic materials diverted from landfill from zero waste stations (streetscape)	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		% of public realm collection that's yard and garden, napkins and paper towerls, food scraps and uneaten food	Program Specific	Yearly	Quantitative	Measured	RD, M	Medium	Low
		% of food wastage	Targeted	Yearly	Quantitative	Measured	RD, M, P	High	Low
		% of organic material in residual waste /household	Targeted	Yearly	Quantitative	Measured	RD, M	Medium	Medium
		tonnes of avoidable food waste	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		decrease of food scraps and food-soiled paper in waste stream	Targeted	Other	Quantitative	Measured	RD, M, P	High	Medium
	Community Gardens	# of community garden green carts serviced	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
	Services	# of organics carts downsized	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		# of compost bins sold	Program Specific	Monthly	Quantitative	Measured	RD, M	Low	High
Services	Equity	% of multi-family properties with collection for all services	Targeted	Yearly	Quantitative	Measured	RD, M, P	Medium	High
		% of multi-family properties with adequate recycling collection services	Targeted	Yearly	Quantitative	Measured	RD, M, P	Medium	High
Behaviour Change	General	% of residents in the region stating they recycle systematically	Targeted	Yearly	Quantitative	Measured	RD, M	High	Low
		% people favourable to adopting "zero waste policy"	Targeted	Yearly	Quantitative	Estimate	RD, M	High	Low
		public survey to assess behaviour change - recycling, green bin, participation and awareness in program	Targeted	Biennial	Both	Estimate	RD, M	Medium	Medium
		% of people proud of recycling	Targeted	Yearly	Quantitative	Measured	RD, M	High	Low
		# of gold/blue star stickers put on carts during collection for proper organics and recycling sorting	Program Specific	Yearly	Quantitative	Measured	RD, M	Medium	High

Priority / Interest	Category	Adapted Metric/Indicator (specifiic performance metrics that indicate progress towards a given target / data that can be used to track progress)	Specificity	Data Frequency	Data Type	Data Quality	Data Source	Effort	Data Accessibility
Residuals Management	Waste Generated	Tonnes of waste generated / capita	Broad	Yearly	Quantitative	Measured	RD, M, P	Medium	Low
		Tonnes and % construction and demolition material sent to landfill	Targeted	Yearly	Quantitative	Measured	RD, M, P	High	Low
		waste composition for curbside collection, including Single Use Items	Program Specific	Other	Quantitative	Estimate	RD, M	High	Low
		waste composition for landfilling, including Single Use Items	Program Specific	Other	Quantitative	Estimate	RD, M	High	Low
		Tonnes/year/jursidiction construction and demolition & bulky materials generated	Targeted	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		Tonnes/year / jurisdiction construction and demolition & bulky materials collected	Targeted	Yearly	Quantitative	Measured	RD, M, P	High	Medium
		Tonnes residental waste disposed / jurisdiction	Program Specific	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		Kg disposed /capita	Broad	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		Tonnes of waste generated / capita for multi-family homes	Targeted	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		Tonnes of waste generated / customer for non-residential	Targeted	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		Tonnes of waste generated / capita for single-family homes	Targeted	Yearly	Quantitative	Estimate	RD, M	Low	High
		Tonnes garbage collected from public realm	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
		% sent to landfill	Broad	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		% waste collection sent to landfill	Broad	Yearly	Quantitative	Measured	RD, M, P	High	Low
		% of public realm collection that's pet waste	Program Specific	Yearly	Quantitative	Estimate	RD, M, P	Medium	Medium
		Tonnes residual waste disposed by type of disposal site	Targeted	Other	Quantitative	Measured	RD, M, P	High	Low
		Tonnes residual waste disposed by material category / capita	Program Specific	Other	Quantitative	Measured	RD, M, P	High	Low
		Tonnes/year of other mixed waste incinerated without energy recovery	Targeted	Yearly	Qualitative	Measured	M	High	Low
		% of waste that is too low quality or hazardous, so needs to be incinerated	Targeted	Yearly	Qualitative	Measured	M	High	Low
		%/Tonnes/tons waste sent to landfill	Targeted	Yearly	Qualitative	Measured	M	High	Low
		% of clean plastics and drink packaging streams from residual waste	Targeted	Yearly	Qualitative	Measured	M	High	Low
		Tonnes of paper, plastic, glass, metals and textiles incinerated/year	Targeted	Yearly	Qualitative	Measured	M	High	Low
		% of domestic and office consumer goods that are landfilled and incinerated	Targeted	Yearly	Qualitative	Measured	M	High	Low
		Tonnes/year of other plastics, e-waste, mixed waste landfilled	Targeted	Yearly	Qualitative	Measured	M	High	Low
		% of waste coming from construction sector	Program Specific	Yearly	Quantitative	Estimate	M	High	Low
		Tonnes of diapers	Program Specific	Yearly	Quantitative	Estimate	M	High	Low
		composition of construction and demolition debris disposed (full characterization study)	Program Specific	Other	Qualitative	Measured	RD, M	High	Low
		Tons garbage received at transfer stations	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
		Tonnes collected from single-family homes	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
		Residental waste generated through black, blue, and green cart programs (kg/houeshold)	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		Curbside garbage, recycling and organics (lbs per person per year)	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		% recyclables, reusables, and organics in black carts	Program Specific	Yearly	Quantitative	Measured	M	High	High
		% waste generated per sector from landfill scale data	Broad	Other	Quantitative	Estimate	RD, M	Low	Medium
		kg construction and demolition waste disposed/capita	Program Specific	Biennial	Quantitative	Estimate	RD, M	High	Low
		% contamination rate	Targeted	Yearly	Quantitative	Estimate	RD, M	High	Low
	Waste Recovered / Diverted	% recovered from total waste generated	Broad	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		Tonnes of material sent to landfills and ratio (%) material used as alternative daily cover	Program Specific	Other	Quantitative	Measured	RD, M, P	Medium	Medium
		Tonnes of materials and type of material used as daily cover or other uses	Program Specific	Other	Both	Measured	RD, M, P	Medium	Medium
		% diversion rate	Broad	Yearly	Quantitative	Estimate	RD, M, P	High	Low
		kg/capital single-family residential diversion and change in % diverted	Program Specific	Yearly	Quantitative	Measured	MV, MM	Low	High
		kg/capital multi-family residential diversion and change in % diverted	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		kg/customer non-residential diversion	Program Specific	Yearly	Quantitative	Measured	RD, M, P	High	Low
		% diversion residential waste	Broad	Yearly	Quantitative	Measured	M	High	Low
		% of waste diverted from landfill from single-family homes	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
		% recovery rate (tons of recycled and composted material/ total tons of small generator refuse)	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
		% of waste recycled or composted	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High

Priority / Interest	Category	Adapted Metric/Indicator (specifiic performance metrics that indicate progress towards a given target / data that can be used to track progress)	Specificity	Data Frequency	Data Type	Data Quality	Data Source	Effort	Data Accessibility
Residuals Management (continued)	Streetscape/ Litter	% streetscape material that is recyclable (e.g., glass & metal, plastic containers, paper, and plastic)	Program Specific	Yearly	Quantitative	Measured	RD, M	Medium	Medium
		# of littered items by material types, size, and brand	Program Specific	Biennial	Quantitative	Measured	M	High	Low
		rank all liter audit sites against one another	Program Specific	Biennial	Both	Estimate	M	High	Low
		size of audit area, atributes of area	Program Specific	Biennial	Both	Estimate	RD	High	Low
	Illegally Dumped Waste	Tonnes of illegally dumped waste collected	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		# of sites cleaned	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		# of community led clean-ups funded by the regional government	Program Specific	Yearly	Quantitative	Measured	RD	Low	High
		# of cases of illegal dumping	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
	Health and Safety	# of worker injuries that occur at solid waste facilities	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
	Services	% of MF properties with adequate garbage collection services	Program Specific	Yearly	Quantitative	Measured	RD, M	Medium	Medium
		# of residential units receiving garbage cart service	Program Specific	Yearly	Quantitative	Measured	RD, M, P	Medium	Medium
		# of garbage tags sold	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		# of disposal vouchers sold (landfill)	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		kms traveled / week to inspect streetscape bins	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		# of streetscape bins inspected	Program Specific	Monthly	Quantitative	Measured	RD, M	Low	High
		# of streetscape bins serviced	Program Specific	Monthly	Quantitative	Measured	RD, M	Low	High
		# of streetscape bins inspected vs. actually serviced	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		# of waste collection interruptions per 10,000 scheduled stops	Program Specific	Other	Quantitative	Measured	RD, M	Medium	Medium
		# of households subscribed to municipal curbside waste collection	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		% missed collections due to road construction, snow clearing, street sweeping	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		# of waste carts downsized	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
	Cost	Average cost of recovering residual materials ($/tonne)	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		Average monthly cost of curbside services for households	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
	Operations	total tonnage managed	Broad	Yearly	Quantitative	Measured	RD, M	Low	High
		Member municipality landfill volume filled (cubic metres/year)	Targeted	Yearly	Quantitative	Measured	M	Low	High
		Member municipality landfill volume remaining (cubic metres)	Targeted	Yearly	Quantitative	Measured	M	Low	High
		Projected closure of member municipality landfill (years remaining)	Program Specific	Yearly	Quantitative	Measured	M	Low	High
		% efficiency of landfill gas collection at regional landfill	Program Specific	Yearly	Quantitative	Measured	RD, M	Medium	High
		# of garbage, recycling, and organics collection customers	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
		# customer visits at transfer stations	Targeted	Yearly	Quantitative	Measured	RD, M	Low	High
		Capacity and geographic distribution of solid waste facilities that meet seismic standards	Targeted	Yearly	Qualitative	Estimate	RD, M, P	Medium	Medium
		# of waste cart and recyclables audits	Program Specific	Yearly	Quantitative	Measured	RD, M	Low	High
Equity	Illegally Dumped Waste	% of dump sites / area	Program Specific	Monthly	Both	Measured	RD, M	Medium	Medium

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: October 28, 2025 Meeting Date: November 6, 2025

Subject: **Solid Waste Management Plan - Options Analysis Update**

RECOMMENDATION
That the GVS&DD Board receive for information the report dated October 28, 2025, titled "Solid Waste Management Plan - Options Analysis Update".

EXECUTIVE SUMMARY
The regional solid waste management plan is being updated to further reduce waste, reduce greenhouse gas emissions, and advance a circular economy. The options analysis phase assesses ideas from previous research and engagement to determine what will be included in the draft plan to be considered by the Zero Waste Committee and Board in advance of submission to the Minister of Environment. For transparency, all ideas – including those considered unadvisable by staff – have been published.

Engagement with advisory committees showed general support for actions related to waste reduction and recycling. Some advisory committee members advocated for closing the Waste-to-Energy Facility and others advocated for privatizing the regional solid waste system. Closing the Waste-to-Energy Facility and privatizing the regional solid waste system are considered unadvisable by staff. Metro Vancouver's publicly owned solid waste system, including the Waste-to-Energy Facility, is operated with public oversight and contractor expertise and efficiency. The system is cost-effective, environmentally responsible, and delivers North American leading waste reduction performance.

PURPOSE
The purpose of this report is to update the GVS&DD Board on the solid waste management plan update process, including strategies and actions being considered during the current options analysis phase, feedback from advisory committees, and considerations related to feedback on disposal.

BACKGROUND
On June 28, 2024, the GVS&DD Board approved the vision and guiding principles for an updated solid waste management plan. Subsequently, engagement on idea generation was launched to hear ideas from interested parties on potential strategies and actions to build on Metro Vancouver's progress to accelerate waste prevention and recycling while reducing greenhouse gases and promoting a circular economy. Following the idea generation phase, draft goals and an updated waste hierarchy were developed and were approved by the GVS&DD Board on July 3, 2025. All phases of the solid waste management plan update process are informed by extensive engagement with First Nations, member jurisdictions, adjacent regional district staff, advisory committees, and the public.

The following timeline shows the phases of the solid waste management plan update:



OPTIONS ANALYSIS

The options analysis phase of the solid waste management plan focuses on determining which strategies and actions will become part of a draft updated solid waste management plan. The initial step in the options analysis phase was to consolidate the many ideas heard during the idea generation phase. Similar ideas with shared methods and outcomes were combined into distinct potential action options. Options were then organized by categories reflecting a common theme (draft strategies). Ideas were also assessed using criteria based on Board strategic priorities, provincial guidance, and the vision and guiding principles of the updated solid waste management plan. For transparency, a full list of ideas received, including which draft action option each idea was incorporated into, was published on the Metro Vancouver website.

Draft Strategies and Actions

Metro Vancouver published a list of draft strategies and action options for potential inclusion in the updated solid waste management plan. Strategies are organized by goal and associated level of the waste hierarchy. Each strategy contains multiple action options. The full list of potential strategies and actions is available on the project web page, along with supporting documents including a full list of ideas from idea generation, assessment of potential strategies and actions, and options analysis rubric (Reference 1).

Ideas Staff Consider Unadvisable

Some ideas reviewed by staff were inconsistent with Board strategic direction, the plan's vision and guiding principles, or the goals and hierarchy of the updated plan. These ideas were included in a summary of ideas staff consider unadvisable along with the rationale. They include ideas such as closing the waste-to-energy facility, increasing waste-to-energy capacity, and privatizing the regional solid waste system. The Draft Summary of Ideas Staff Consider Unadvisable is available on the project web page (Reference 1).

Options Analysis Engagement

In Fall 2025, Metro Vancouver engaged with First Nations, member jurisdictions, neighbouring regional districts, advisory committees, non-profits, and residents to help prioritize the potential strategies and actions for inclusion in the draft solid waste management plan. Engagement feedback is being collated and analyzed, and a full engagement report will be provided to the Zero Waste Committee in the coming months.

One key aspect of engagement has been the work done with advisory committees – the Solid Waste Management Plan Public/Technical Advisory Committee (Public/Technical Advisory Committee), the Solid Waste and Recycling Industry Advisory Committee (Industry Advisory Committee), and the Regional Engineers Advisory Committee Solid Waste Subcommittee. Feedback from the Public/Technical Advisory Committee and the Industry Advisory Committee is highlighted below. REAC Solid Waste Subcommittee members and other member jurisdiction staff provided feedback on member jurisdiction actions which will be revised prior to sharing publicly.

Solid Waste and Recycling Industry Advisory Committee
The Industry Advisory Committee provides a forum for industry contribution, discussion, and advice on planning, operations, and policy issues related to solid waste and recycling services in Metro Vancouver, as well as the ongoing solid waste management plan update. In response to previous feedback, the committee continues to emphasize focused discussions, reduced reliance on information-only reports, and increased attention to the solid waste management plan update. The 2025 work plan includes topics such as long-term disposal, residuals management options, and solid waste management plan options analysis.

Feedback summaries on solid waste management plan update topics in 2025 are published on the committee web page (Reference 2).

Highlights from the Industry Advisory Committee October 2025 options analysis workshop include:

- General support for waste reduction and recycling actions, with suggestions to consolidate or clarify actions, or make them more practical and actionable
- Preference for incentive-based approaches over new regulations, considering impact on business viability and affordability
- Emphasis on ensuring markets exist before introducing new disposal bans, and the need for clear criteria and rationale
- Mixed views on hauler incentive programs, with limited tools available to haulers to influence customer behaviour
- Comment that incineration is a pre-treatment method prior to landfilling of residual ash, and other pre-treatment methods may be less toxic
- Some members advocated for closure of the Waste-to-Energy Facility, and concerns that decisions related to the facility including long-term commitments were made without committee consultation
- Advocacy for exploring privatization of solid waste services, noting that with proper regulation, the private sector could match or exceed public sector performance
- Concern that previous input was not adequately considered, and that the engagement process feels predetermined with limited room for meaningful input

Solid Waste Management Plan Public/Technical Advisory Committee
The Public/Technical Advisory Committee provides a forum for contribution from individuals with diverse experiences and expertise to inform the review and update of the solid waste management plan. Discussion topics in 2025 have focused on components of the updated solid waste management plan such as goals, metrics, waste hierarchy, residuals management options, and evaluation criteria for options analysis, included in the committee's work plan. Committee meeting notes, including summaries from other discussions related to the solid waste management plan, are published on the committee web page (Reference 3).

Highlights from the Public/Technical Committee October 2025 options analysis workshop include:

- High support for actions in the top three R's (rethink, reduce, reuse)
- Support for more ambitious actions and targets to move up the waste hierarchy
- Suggestions on how to consolidate similar actions, and make them clearer, more specific, more ambitious, and actionable
- Comment on the importance of regulation, enforcement, and financial incentives/disincentives to accompany advocacy, tools, templates, and education
- Feedback that privatization of the solid waste system would not be advisable, citing risks such as reduced accountability and oversight
- Comment that more funding should focus on rethink, reduce, reuse, and recycle rather than disposal or recovery
- Some members expressed strong opposition to waste-to-energy, citing environmental impacts, costs, and diverting resources away from the first four R's

Transparency

Metro Vancouver strives for transparency with respect to reporting out on meeting proceedings. In July 2025, a member of both the Public/Technical Advisory Committee and Industry Advisory Committee expressed concern about the transparency of the consultation process, specifically that feedback and opinions from advisory committee members were not adequately and fairly emphasized in the meeting notes. In response, Metro Vancouver has committed to enhancing meeting notes, and sharing them with committee members prior to the publication of the following meeting's agenda package to allow more time for review. Meeting materials, including agendas, notes, and recordings of online meetings are available on the committee webpages (References 2 and 3).

To further support transparency and strengthen engagement, Metro Vancouver invited members of the Solid Waste Management Plan Independent Consultation and Engagement Panel to attend Public/Technical Advisory Committee and Industry Advisory Committee meetings as observers beginning in September 2025. The panel, by providing third-party guidance to staff and reporting to the GVS&DD Board, plays a key role in advising on the development and implementation of an inclusive and transparent engagement process for the solid waste management plan update.

Waste-to-Energy Facility Role in the Solid Waste Management System

Metro Vancouver has received feedback advocating for the closure of the Waste-to-Energy Facility, citing concerns related to cost and emissions. Following review, this idea was included in the summary of ideas staff consider unadvisable. The Waste-to-Energy Facility continues to be a safe and cost-effective method for managing residual garbage, alongside other disposal options.

Waste-to-Energy Facility Costs
After all efforts to reduce waste, residual garbage is disposed primarily at the Vancouver Landfill or Waste-to-Energy Facility. For garbage in excess of local disposal capacity, Metro Vancouver relies on contingency disposal contracts to ship waste to remote landfills. After accounting for recycling and waste centre and transportation costs, the Vancouver Landfill and Waste-to-Energy Facility are comparable. In contrast, contingency disposal is nearly double the cost. The Vancouver Landfill is a finite resource in terms of both annual and long-term capacity. For future planning, the only practical alternative to the Waste-to-Energy Facility would be contingency disposal at private remove landfills in central British Columbia or the United States. Therefore, closing the Waste-to-Energy Facility would lead to significant disposal cost increases.

	Vancouver Landfill	**Waste-to-Energy Facility**	**Contingency Disposal**
Total Costs / Tonne	$123.10	$122.90	$230.60

Waste-to-Energy Facility Environmental Performance
All air emission related parameters monitored in 2024 were well below regulatory limits specified in the Waste-to-Energy Facility Operational Certificate, issued by the Province. The facility's contributions of nitrogen dioxide, fine particulates, and anthropogenic (human caused) greenhouse gases are less than 1% of regional emissions. Emission data is reported to regulatory agencies and posted on the Metro Vancouver website. Continuous emissions monitoring results are also posted on the website in real-time.

Residuals Management Options
A Residuals Management Options Review concluded landfill and mass burn waste-to-energy are the approaches used around the world, and that other options such as gasification and pyrolysis have not been implemented at a commercial scale anywhere in the world. The study includes a list of criteria communities apply in deciding on the appropriate disposal solution. The draft solid waste management plan will include criteria that could be considered if new disposal capacity is required over the term of the solid waste management plan.

Solid Waste System Cost Effectiveness and Disposal Ban Program
The Metro Vancouver solid waste system is cost effective compared to solid waste systems in other major Canadian cities. In many cities property taxes are used to support the solid waste system whereas in Metro Vancouver the solid waste system is fully funded through tipping fees. A key reason that the regional solid waste system can be funded through tipping fees is that the generator levy ensures that all generators contribute to the cost of the regional solid waste system and encourages use of Metro Vancouver and City of Vancouver solid waste facilities. Commercial haulers account for approximately 60% of all the garbage delivered to regional solid waste facilities, and that garbage accounts for approximately 60% of the solid waste system revenues.

An additional benefit of commercial haulers being encouraged to use the regional solid waste system is that disposal bans are applied at Metro Vancouver and City of Vancouver solid waste facilities to encourage recycling of banned materials.

ALTERNATIVES
This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS
Technical work and engagement on the solid waste management plan update are included in the approved Solid Waste Services budget.

OTHER IMPLICATIONS
The list of strategies and actions will include specific member jurisdiction actions, which have been presented in draft to member jurisdiction staff for feedback. These actions will be revised to incorporate member feedback and incorporated into the draft solid waste management plan for feedback.

CONCLUSION
The objective of the current solid waste management plan update phase – options analysis – is to evaluate ideas received during the idea generation phase of engagement by applying decision-making criteria grounded in the vision and guiding principles of the updated plan. Feedback received in this phase will help to decide which actions and strategies are included in the draft plan. This is the final phase before the new plan is drafted. Advisory committees generally support actions related to waste reduction and recycling, with some advisory committee members advocating for closure of the Waste-to-Energy Facility and others advocating for privatizing the regional solid waste system. Metro Vancouver's public solid waste system delivers North American leading waste reduction

Engagement with advisory committees showed general support for actions related to waste reduction and recycling. Some advisory committee members advocated for closing the Waste-to-Energy Facility and others advocated for privatizing the regional solid waste system. These ideas are considered unadvisable by staff as Metro Vancouver's solid waste system delivers North American leading waste reduction performance while ensuring cost-effectiveness and considering environmental sustainability.

ATTACHMENTS
1. Presentation re: Solid Waste Management Plan – Options Analysis Update.

REFERENCES
1. Metro Vancouver. (2025). Solid Waste Management Plan Update web page. https://metrovancouver.org/services/solid-waste/solid-waste-management-plan-update
2. Metro Vancouver. (2025). Solid Waste and Recycling Industry Advisory Committee Web Page (including all meeting agendas, minutes, and recordings). https://metrovancouver.org/services/solid-waste/solid-waste-and-recycling-industry-advisory-committee
3. Metro Vancouver. (2025). Solid Waste Management Plan Public/Technical Advisory Committee Web Page (including all meeting agendas, notes, and recordings). https://metrovancouver.org/services/solid-waste/solid-waste-management-plan-public-technical-advisory-committee

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Solid Waste Management Plan Update

OPTIONS ANALYSIS

Paul Henderson, M.A.Sc., M.B.A., P.Eng.
General Manager, Solid Waste Services

Zero Waste Committee Meeting, November 6 2025

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PLAN TIMELINE



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OPTIONS ANALYSIS

- Determine which strategies and actions to include in the draft plan
- Engaging with First Nations, public, advisory committees, neighbouring regional districts, member jurisdictions, business and industry associations and groups, and non-profits
- Last step before a new plan is drafted in 2026



DRAFT SUMMARY OF IDEAS STAFF CONSIDER UNADVISABLE

- Stop using landfills
- Close the Waste-to-Energy Facility
- Increase Waste-to-Energy capacity
- Privatize regional solid waste system
- Replace source separation programs with mixed-waste collection and sorting programs
- Don’t send materials to cement kilns and other industries for recovery

INDUSTRY ADVISORY COMMITTEE

- Support for waste reduction and recycling
- Constructive feedback on improving wording of actions
- Prefer incentives over new regulations
- Some members suggested:
  - Closure of the Waste-to-Energy Facility
  - Privatization of solid waste services



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PUBLIC/TECHNICAL ADVISORY COMMITTEE



- High support for actions under rethink, reduce, and reuse
- Actions should be more specific, actionable, and ambitious
- Regulation, enforcement, and financial incentives are key
- Privatization not advisable due to reduced accountability and oversight
- Some members opposed the Waste-to-Energy Facility, advocating for its closure

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BENCHMARK OF UTILITY COSTS – 2025

Solid Waste ($ CAD / tonne)

Solid Waste	2025 Rate
Metro Vancouver (weighted average tipping fee)	$149
Capital Regional District	$155
Toronto	$183
Seattle	$251
San Francisco	$371

ENVIRONMENTALLY RESPONSIBLE WASTE DISPOSAL

- Vancouver Landfill
- Waste-to-Energy Facility
- Contingency disposal



DISPOSAL COSTS

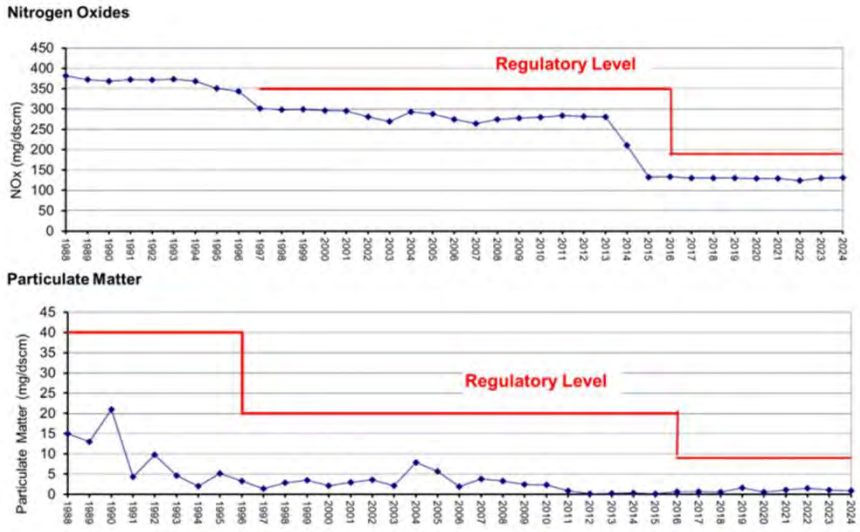
	Vancouver Landfill	Waste-to-Energy Facility	Contingency Disposal
Total Costs / Tonne	$123.10	$122.90	$230.60

WASTE-TO-ENERGY FACILITY

- Handles about a quarter of the region's residual garbage that is left over after reduction and recycling efforts
- Currently generates approximately 21 MW, enough to power 16,000 homes
- Safe and cost-effective way to manage garbage after waste reduction and recycling efforts



WASTE-TO-ENERGY FACILITY ENVIRONMENTAL PERFORMANCE



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Options Analysis Workshop

Thank You

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2025 Solid Waste Management Plan Public/Technical Advisory Committee Action Tracker

To be updated after every Public/Technical Advisory Committee (PTAC) meeting to keep track of the actions or tasks that Metro Vancouver staff are responsible for.

Meeting Date	Requested Action/Item	Assigned Staff	Status
June 19, 2025	• Potential to have an invited presenter (OCEANA) to a future PTAC meeting	Brooke Atkinson	In-progress
June 19, 2025	• Staff to bring back information on the United Boulevard Recycling and Waste Centre Reuse Days pilot	Paul Henderson	Complete
June 19, 2025	• Staff to bring back a more detailed regulatory strategy to the committee at a later meeting	Terry Fulton	Complete

Solid Waste Management Plan Update - Draft Regulatory Strategic Approach

Purpose

The solid waste management plan regulatory strategic approach outlines the types of regulatory initiatives, such as bylaws, that Metro Vancouver may consider over the lifespan of the solid waste management plan, including how potential Metro Vancouver regulations are assessed, engaged on, and implemented. Recognizing that future changes to regulation require dedicated engagement beyond the scope of this solid waste management plan update, the regulatory strategic approach aims to clarify Metro Vancouver's outlook with respect to any future regulatory actions to further progress toward the solid waste management plan goals and targets. This approach identifies examples of initiatives that may be advanced through both direct action and advocacy with senior and local governments.

Background

Overview

The Greater Vancouver Sewerage and Drainage District (GVS&DD) Board enacts bylaws to better manage waste within our system and protect public health and the environment. This authority is delegated to the GVS&DD from the province under the *Environmental Management Act* S.B.C. 2003 c.53, and the *Greater Vancouver Sewerage and Drainage District Act* S.B.C. 1956 c.59, Section 7A and 7B.

The primary bylaws related to solid waste management in the region are the *GVS&DD Tipping Fee and Solid Waste Disposal Regulation Bylaw No.379,2024,* as amended (Tipping Fee Bylaw), which sets garbage and recycling fees at Metro Vancouver solid waste facilities, identifies recyclable and hazardous materials banned from disposal and specifies surcharges, and establishes the requirements of the generator levy; and the *GVS&DD Municipal Solid Waste and Recyclable Material Regulatory Bylaw No.181, 1996,* as amended (Bylaw 181), which specifies requirements for private solid waste facilities, including reporting, inspection, and enforcement provisions. The *GVS&DD Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw No.378, 2024,* as amended, provides an additional compliance promotion tool, allowing the issuance of penalty amounts up to $500 per contravention of specified provisions of Bylaw 181 and the Tipping Fee Bylaw. It also establishes a process for dispute adjudication.

Existing Regulations

Bylaw	Key Components
GVS&DD Tipping Fee and Solid Waste Disposal Regulation Bylaw No.379, 2024	• Fees and surcharges

	• Recyclable and hazardous materials banned from disposal • Generator levy
GVS&DD Municipal Solid Waste and Recyclable Material Regulatory Bylaw No.181, 1996	• Facility licensing • Powers of Solid Waste Manager and Officers • Fees
GVS&DD Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw No.278, 2024	• Bylaw violations and penalties • Dispute adjudication

Since approval of Metro Vancouver's 2011 solid waste management plan ,the generator levy was implemented and new bylaw enforcement tools have been added. The generator levy, added to the Tipping Fee Bylaw in 2018, encourages the use of Metro Vancouver and City of Vancouver solid waste facilities where disposal bans for recyclable materials are in place, and ensures all garbage generators contribute to funding the cost of the regional solid waste system – a system that provides reliable and resilient services that benefit and are available to all residents and businesses in the region. The generator levy is included in the garbage tipping fee charged at regional solid waste facilities; however, if garbage is delivered to other facilities, haulers must pay the per-tonne generator levy directly to Metro Vancouver. The generator levy is a key contributor to Metro Vancouver's continued success in advancing waste reduction and recycling.

Metro Vancouver's Role

At its facilities, Metro Vancouver is responsible for providing convenient drop-off for garbage for residents and businesses, determining the final disposal destination of that material, and providing both free and paid recycling opportunities primarily for materials delivered in small hand-unloaded vehicles. Recycling sorting and processing facilities are managed by the private sector under requirements set out in Bylaw 181. This system allows and encourages private sector innovation in recycling.

Metro Vancouver's regulatory authority does not currently include the ability to enforce bylaws at the generator or property level. Generally, that authority resides with municipalities. Also out of scope are extended producer responsibility programs and regulations impacting the sale or distribution of specific products, and eco fees or refundable deposit fees charged for some products, which may be implemented at the provincial or federal level. Any changes beyond Metro Vancouver's current regulatory authority, including compliance promotion mechanisms, require changes to provincial legislation and associated approval processes. Metro Vancouver also plans to advocate for continuous improvement of extended producer responsibility programs and regulations at the federal and provincial level that will help rethink waste and transition to a circular economy, including design for recyclability, the right to repair, and waste prevention legislation.

Compliance and Enforcement

Metro Vancouver's Environmental Regulation & Enforcement group is responsible for enforcing the provisions of Bylaw 181, including reviewing licence applications and ensuring compliance with licence terms and conditions. Officers appointed under Bylaw 181 have authority to issue notices of bylaw violation under the *GVS&DD Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw No.378, 2024*, as amended, which includes penalties of up to $500 per contravention of specified provisions of the generator levy and Bylaw 181. Bylaw 181 also allows for penalties for each day an offence is committed under the Bylaw, as well as cancellation of a licence. All active solid waste licences are available on Metro Vancouver's website, as well as Notices of Bylaw Violation issued to corporate entities since March 13, 2024 that have been paid, upheld, or are no longer in a dispute process. The appointment of enforcement officers is reported publicly.

Reporting and Continuous Improvement

Metro Vancouver publicly reports annually on the top surcharges under the Tipping Fee Bylaw, as well as information to enhance Metro Vancouver's understanding of the movement of waste around the region through the Smart Waste Program. This information is used to assess the effectiveness of the disposal ban and generator levy programs, respectively, and helps inform decisions on how these programs can continue to be effective.

Strategic Approach

Regulatory Priorities

Metro Vancouver's regulatory priorities for the solid waste management plan align with the vision and guiding principles and can help to achieve the plan's strategies and actions. These priorities are summarized below.

- Improve data accuracy, transparency, and availability
- Increase reuse and recycling
- Reduce barriers to participation
- Support effectiveness of the facility licensing system
- Support effectiveness of the generator levy
- Support innovation, particularly for reuse and repair

Potential future regulatory approaches may include hauler licensing, source separation requirements, expanded licensed facility types, or updated facility licensing provisions in support of the above priorities.

Considerations

For any proposed regulations not identified in the solid waste management plan's strategies and actions, at a minimum the following will be considered:

- What is the objective of the proposed regulation, and are there other options for achieving the same objective?

- Does GVS&DD currently have authority to implement the proposed regulation, and if not, what is required for obtaining that authority?
- What are the resource requirements for developing the proposed regulation, and for administering and enforcing it once enacted?
- Which sectors, businesses or individuals would be subject to the proposed regulation, and what is the estimated impact on meeting solid waste management plan goals and targets that would be achieved by regulating the targeted sectors?
- If the proposed regulation targets a specific material type and impacts how that material is managed, what are the expected operational consequences to the solid waste system overall?
- What are the expected financial implications resulting from the proposed regulation, such as tipping fee changes or other costs borne by residents and businesses?
- At which level of government would this regulation be most effective?
- Are there any unintended consequences of implementing the proposed regulation?

Engagement

Any new regulations, including changes to existing bylaws or the creation of new bylaws, will be accompanied by a transparent engagement process. Engagement will follow Metro Vancouver's Public Engagement Board Policy and Public Engagement Guide. Metro Vancouver will also comply with any provincial requirements related to engagement.

Solid Waste Management Plan Update - Draft Recycling and Waste Centre Strategic Approach

Purpose

The solid waste management plan recycling and waste centre strategic approach outlines Metro Vancouver's plans for continuous improvement of the network of regional recycling and waste centres. This approach sets key priorities and associated considerations in line with the vision and guiding principles of the solid waste management plan.

The focus of this strategy is to inform future upgrades, replacements and additions to the Metro Vancouver recycling and waste centre network. This network and the region rely on other public and private solid waste facilities that directly support the regional network, and in addition provide valuable services to public and private generators of municipal solid waste and recyclable materials.

Background

Metro Vancouver provides a range of recycling and waste drop-off services before and after the weigh scales at its recycling and waste centres, conveniently located to serve residents across the region. This regional network of recycling drop-off services supports and enhances the programs and services provided by other levels of government, member jurisdictions, extended producer responsibility programs, not-for-profits, and the private sector, all together forming one of the most successful and resilient recycling systems in North America.

Recycling depots located before the weigh scales at recycling and waste centres allow customers to drop off recyclable materials for free. Currently, recycling depots are in place at the North Shore, United Boulevard, Maple Ridge, and Central Surrey recycling and waste centres. In addition, the 2026 - 2030 Financial Plan identifies new recycling depots for the Langley and North Surrey recycling and waste centres. The recycling depots provide convenient, accessible, and free drop off of a wide range of recyclable materials including metal, paper, plastic, glass, and other extended producer responsibility materials such as electronics, batteries, paint and pesticides, currently diverting over 10,000 tonnes of recyclables a year from disposal. Cost efficiencies gained by including a recycling depot at a recycling and waste centre include those realized through sharing equipment, attendants and other labour, security and other contracting needs.

As recycling and waste infrastructure ages and service needs evolve, Metro Vancouver seeks to identify system upgrades or new developments to increase reuse and recycling and ensure system resilience while accommodating the region's growing population.

Metro Vancouver owns six recycling and waste centres in the region, which provide convenient drop-off of recyclables and garbage for residents, member jurisdictions, and businesses, and incorporate opportunities for reuse:

- Central Surrey Recycling and Waste Centre
- Langley Recycling and Waste Centre,
- Maple Ridge Recycling and Waste Centre,
- North Shore Recycling and Waste Centre,
- North Surrey Recycling and Waste Centre, and
- United Boulevard Recycling and Waste Centre.

The facility locations are depicted below in Figure X, which also includes the Metro Vancouver Waste-to-Energy Facility and City of Vancouver owned facilities (the Vancouver South Transfer Station (including the Vancouver Zero Waste Centre), and the Vancouver Landfill):

Figure X: Regional Solid Waste System



**Owned and operated by the City of Vancouver*

In 2022, Metro Vancouver transfer stations were renamed to "recycling and waste centres", reflecting the priority to maximize recycling drop-off services. Recent improvements to the system include:

- Establishment of a recycling depot ahead of the weighscales at the historic Coquitlam Transfer Station in 2014.
- Redevelopment and integration of the previous municipal recycling depot into the North Shore Recycling and Waste Centre in 2017;

- Implementation of a recycling depot funding strategy which recognizes the contribution of municipally operated depots to the regional system in 2021;
- The opening of the United Boulevard Recycling and Waste Centre in 2022, including expanded opportunities for recycling before the scale;
- The opening of the Central Surrey Recycling and Waste Centre in 2022, reducing overall system drive times;
- Initiation of design to upgrade the Langley and North Surrey Recycling and Waste Centres to add recycling depots ahead of the scales; and
- Expansion of recycling and reuse services to include the following:
    - Reuse of bikes (North Shore Recycling and Waste Centre)
    - Return-It Express drop off(United Boulevard Recycling, North Shore, and Central Surrey recycling and waste centres)
    - Commercial expanded polystyrene, cardboard and film at Central Surrey, North Shore, North Surrey and United Boulevard
    - Agreements with various product stewards for expanded recycling services at recycling and waste centres including:
        - Recycle BC expanded to United Boulevard and Central Surrey
        - Interchange Recycling for used oil and antifreeze at North Shore, United Boulevard, Central Surrey and Langley.
        - Return-It Express at United Boulevard, North Shore and Central Surrey
    - Reuse days, in partnership with non-profit reuse entities (North Shore and United Boulevard recycling and waste centres)

Municipal Recycling Depots

To recognize the contribution of municipally operated recycling depots to the regional system, Metro Vancouver provides municipal recycling depot funding for municipal recycling depots. The funding is based on municipalities accepting a core set of recyclables and making the depots available to all residents of the region. Municipalities continue to independently manage and operate the depots.

Strategic Approach

Recycling and Waste Centre Priorities

Future improvements and upgrades to facilities aim to continue to strive for consistent services at all recycling and waste centres that maximize opportunities for reuse and recycling, minimize drive times for residents, maximize accessibility, and optimize the layout of any new facilities or facility upgrades according to best practices. Cost effective and affordable operations are a key focus in delivering the service. The following table outlines priorities for continuous improvement of the recycling and waste centre network, presented in alphabetical order. Collectively, the considerations under each priority reflect the seven guiding principles of the plan and help ensure that the evolution of the recycling and waste centre system is consistent with the direction and values of the updated solid waste management plan.

Note: Blue highlighting indicates feedback originating from the Solid Waste Management Plan Public/Technical advisory committee. Yellow highlighting indicates feedback from the Solid Waste and Recycling Industry Advisory Committee. This is for reference only and will be removed in the final version.

Table X: Recycling and Waste Centre Priorities

Priority	Considerations
Best practices in facility design, construction, and operation	• Incorporate best practices in facility design that maximize reuse and recycling, and improve convenience and safety for users such as: o Recycling before the scale at all facilities o Flat tipping floors (instead of pits) for improved safety and flexibility o Sufficient on-site queuing space to prevent back-ups of traffic on to public streets during all but most extreme operating conditions o Access considerations for cyclists and pedestrians o Recessed bins to improve accessibility and safety in accessing bins o Servicing of bins or pallets from non-customer areas o Flexibility to add additional materials and space to host temporary events or pilots o Traffic patterns that reduce the probability of accidents o Separating public and service/operating areas for improved safety. • Reduce greenhouse gas emissions from operation through low or zero carbon equipment and fuel • Consider greenhouse gas emission implications including embodied carbon when selecting construction materials and methods for the development and maintenance of facilities. • Incorporate sustainability features, reused of recycled construction materials such as concrete, asphalt and wood for construction where possible • Consider resilience in facility design, including use of robust, low maintenance building materials • Continue to align with regulations and published industry best practices such as the BC Building Code and Master Municipal Construction Documents • Design for worker and customer safety, accessibility and inclusivity. • Consider potential to incorporate new technologies to improve operational and customer efficiencies, and to maximize material diversion from disposal • Consider overall aesthetics of the design to maximize user experience and minimize operational and environmental impacts such as noise, odour, dust, etc.
Consistent and maximized reuse and recycling opportunities	• Provide consistent services across locations • Continue to expand the types of materials accepted including planning for expanded extended producer responsibility programs • Maximize opportunities for reuse • Ensure clear and consistent communication of services available to increase participation, educate, and build confidence in the solid waste management system

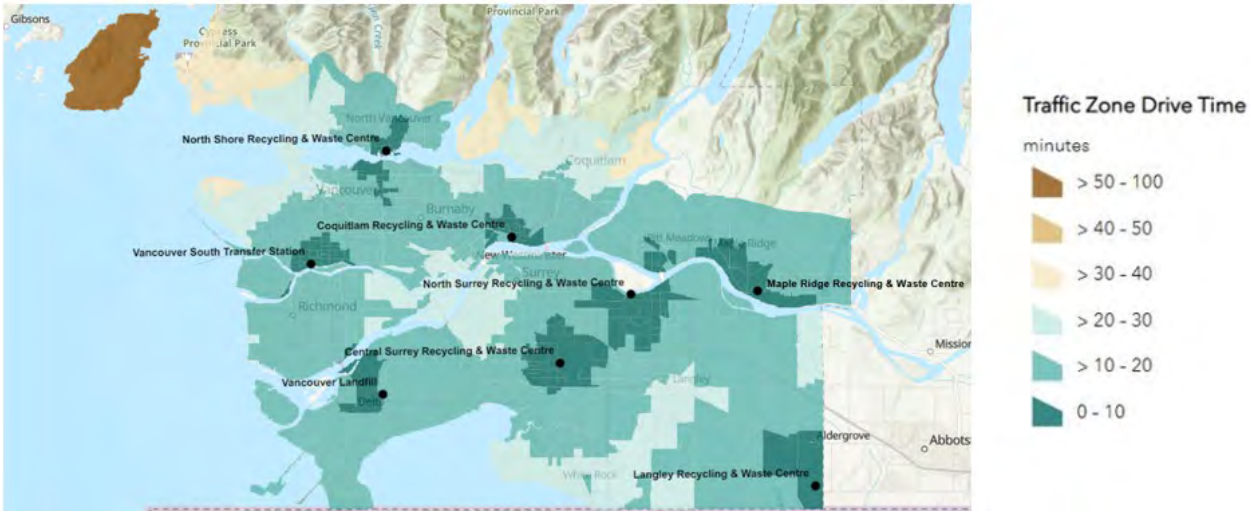
	• Consider inclusivity in the development of each program • Include flex space at facilities to expand or trial new opportunities for reuse and recycling
New facilities developed in areas with expected future growth	• Account for population growth patterns when assessing new facility locations • Incorporate population growth estimates into drive time analyses • Assess facility accessibility for cyclists and transit users as the region continues to develop and methods of transportation continue to diversify
Reasonable and consistent drive times	• Site future facilities close to areas that experience relatively high drive times, accounting for population density (see Figure X) • Aim to reduce overall greenhouse gas emissions through reduced drive times
Resilient and cost-effective service delivery	• Consider replacement or upgrades to aging and outdated facilities • Secure public land at market rates where possible to reduce challenges associated with land acquisition • Design and operate facilities in such a way to minimize risk of disruptions due to climate change or other factors • Continue to strive for best value solutions for operating facilities and providing convenient drop-off services that maximize service level and waste reduction potential • Ensure that extended producer responsibility programs' contributions are consistent with cost of managing materials

Drive Time Analysis

In 2023, Metro Vancouver completed a study to evaluate the current regional solid waste system and analyze future system service and infrastructure needs and opportunities over the next 30 years. To evaluate the current recycling system, access to regional, municipal, and private depots were mapped to understand how the system meets service level standards. The study reviewed tonnage and vehicle data to understand system capacities and developed a model to evaluate the impact to regional drive times, kilometres (kms) driven, and greenhouse gas emissions using a 2050 population and provide insight to potential future facility upgrades, replacements, or relocations to best achieve service level standards. An example of the model output in a heat map for small loads and baseline waste (current system) is shown in the below figure.

Drive time analysis will continue to be used in evaluating locations for future recycling and waste centre development.

Figure X: Comparative Drive Time Analysis



Personal information has been redacted in the following submissions received from PTAC members

Comments on Metro Vancouver's Potential Strategies and Actions Being Considered

solidwasteplan@metrovancouver.org

Date: October 27 2025

General Comments on Recovery and Disposal Section

HSR Zero Waste appreciates the opportunity to provide comments on the Draft Solid Waste Management Plan. We support Metro Vancouver's efforts to advance waste reduction and circular economy goals but have serious concerns about how recovery and disposal are currently defined and applied. The plan's treatment of combustion-based processes, industrial fuel use, and undefined categories such as "non-recyclable materials" risks undermining waste prevention, reuse, and recycling. Recovery should not be used to justify destructive disposal practices that release pollutants and discourage better upstream design and source separation.

Strategy 5.1 – Recover Materials and Energy from Non-Recyclable Materials

We strongly oppose the use of recovery to include combustion-based or fuel-substitution systems. This strategy risks rebranding destructive processes as beneficial outcomes. In particular, the undefined category of "non-recyclable materials" is deeply problematic. It may include materials that are technically recyclable but were not separated at source, as well as genuinely non-recyclable materials that contain hazardous substances. Without a clear and safe definition, Metro Vancouver risks allowing recyclable materials and toxic composites to be burned under the label of recovery.

Much of what is referred to as "non-recyclable" in current practice includes laminate and composite woods, MDF, engineered wood, and plastics with resins, adhesives, or coatings. These materials often contain formaldehyde, chlorine, and heavy metals. When burned in waste-to-energy facilities or cement kilns, they release harmful pollutants such as dioxins, furans, and fine particulates. Even with emission controls, these pollutants accumulate in ash residues and the surrounding environment, contributing to long-term exposure risks.

The plan should not encourage more effort to identify or process these materials for burning. This diverts resources away from more sustainable solutions, such as prevention, design improvements, and source separation. If materials cannot be recycled or reused safely, the least harmful option is landfilling after biological stabilization. This approach avoids the creation of toxic air emissions and prevents pollution transfer from air to soil.

Strategy 5.2 – Material Recovery and Biological Stabilization

We support the inclusion of mechanical material recovery and biological stabilization as best practices prior to final disposal. However, these processes should be categorized as disposal, not diversion. Mechanical recovery can capture some materials from residual waste, but the recovered outputs are generally lower quality and limited in market value. Recognizing these facilities as disposal ensures that they do not undermine the importance of source-separated recycling programs.

Biological stabilization, such as composting or anaerobic digestion of residuals, plays an essential role in reducing methane, odour, and leachate formation. By stabilizing waste before landfilling, this practice improves landfill performance and reduces long-term emissions. This should be identified as a disposal best practice rather than a diversion measure. Together, mechanical and biological treatments offer responsible management of residual waste without misrepresenting their role in the waste hierarchy.

Waste-to-Energy and Industrial Fuel Use

HSR Zero Waste opposes any classification of combustion-based activities as recovery, including waste-to-energy operations and the use of waste-derived fuels in cement kilns or pulp mills. Burning waste destroys valuable materials and emits pollutants that must still be managed through ash handling and environmental controls. It also delays progress toward upstream waste prevention, repair, and reuse systems. Treating these processes as recovery undermines the region's circular economy goals.

Industrial fuel use is particularly concerning because it allows toxic and composite materials, such as treated wood, laminates, and plastics, to enter fuel streams where emissions are less visible to the public. These materials release hazardous pollutants, including heavy metals and persistent organic compounds. If Metro Vancouver permits such practices to continue, it must require continuous emissions monitoring, regular soil testing near participating facilities, and full public disclosure of monitoring results. Transparency and accountability are essential for public trust and environmental protection.

Waste-to-energy should remain classified as disposal. While it plays a limited role in current waste management, it is not a circular solution and should not be expanded or redefined as recovery. The region's long-term focus should be on reducing residual waste through prevention and material redesign rather than maintaining combustion infrastructure.

Additional Comment – Recommendation to Close the Waste-to-Energy Facility

We are deeply concerned that Metro Vancouver staff have recommended rejecting public proposals to phase out or close the Burnaby Waste-to-Energy (WTE) facility. The reasons given for rejecting this idea are weak and do not stand up to scrutiny when weighed against the environmental, policy, and social benefits of phasing out incineration.

Staff have argued that the facility must remain in operation because the region still requires disposal capacity, that costs are comparable to landfilling, and that emissions are within

regulatory limits. Each of these points overlooks critical facts.

The claim that disposal demand justifies ongoing incineration is a circular argument. High disposal volumes are the result of insufficient waste prevention, reuse, and repair systems. Keeping the incinerator in operation locks the region into a constant need for feedstock rather than motivating investment in programs that would actually reduce waste generation. In other words, the incinerator sustains the very waste problem it is meant to solve.

The assertion that costs are comparable to landfilling also fails to consider escalating expenses and external impacts. The facility's operational and maintenance costs continue to rise, and new air pollution control systems will add further costs. In addition, the financial comparison excludes the environmental and public health costs associated with emissions, ash disposal, and cumulative exposure to fine particulates and persistent pollutants. When these factors are considered, the facility is neither cost-effective nor sustainable.

Finally, the argument that the facility operates within emission limits is not reassuring. Meeting outdated regulatory thresholds does not mean the operation is harmless. The Burnaby facility has required extensions to its air quality limits and is still in the process of implementing new emission control systems. Compliance within interim limits does not address cumulative or long-term effects on air quality, soil contamination, or health outcomes for nearby residents.

In contrast, the rationale put forward by those advocating for closure or phase-out is stronger and more aligned with Metro Vancouver's own stated goals. Closing the WTE facility would reduce greenhouse gas emissions, eliminate a source of toxic air pollutants, and redirect significant financial and technical resources toward upstream solutions such as reuse, repair, and product redesign. It would also remove the structural dependence on waste generation required to feed the facility, freeing the region to pursue true zero waste outcomes.

The staff's recommendation to reject this proposal therefore represents a short-term, risk-averse position that conflicts with Metro Vancouver's long-term sustainability commitments. A transition plan to phase out incineration is not only feasible but necessary. It would allow the region to focus on prevention, material recovery, and landfill stabilization, while avoiding the continued environmental and financial burden of maintaining combustion infrastructure.

Closing the Burnaby WTE facility would be a decisive step toward aligning Metro Vancouver's waste management system with its stated goals for climate action, circularity, and community health. The public rationale for keeping the facility open is weak, and the case for closure is far stronger, both in principle and in practice.

Conclusion and Recommendations

Metro Vancouver has the opportunity to lead with a waste management plan that prioritizes prevention, reuse, and safe residual management over destructive end-of-pipe solutions. To achieve this, the region should clearly distinguish recovery from disposal and remove combustion from the definition of diversion. It should acknowledge that non-recyclable materials often include both recyclable and hazardous materials and should not invest additional resources in defining or processing them for fuel use. Effort and investment should focus on preventing waste, improving separation at source, supporting local reuse and recycling infrastructure, and stabilizing remaining materials before landfilling.

We recommend that Metro Vancouver:

• Classify all combustion-based processing, including industrial fuel use, as disposal, not recovery.

• Identify mechanical material recovery and biological stabilization as disposal best practices prior to landfilling.

• Avoid allocating resources to define or develop recovery systems for 'non-recyclable materials.'

• Prioritize prevention, reuse, and landfill stabilization over combustion-based solutions.

• Require continuous emissions monitoring, regular soil testing, and public reporting for all facilities that burn waste-derived materials.

[redacted]

[redacted], HSR Zero Waste

MV Options and Rubric Comments

Overall

There are many good actions included but the rubric seems to have been somewhat arbitrarily designed and applied. In addition, the actions do not seem to be laid out in a way that shows a comprehensive and strategic look at addressing the different types and sources of waste. Further, the last plan was meant to be a five year plan at the time of creation and this one as a ten year plan seems to be lacking a ten year lens with phases of actions, and ambitions of scale. Finally the inclusion and ongoing support of incineration and energy recovery means the plan is doomed to failure due to inadequate support of zero waste strategies and competing priorities.

Rubric Comments

- Affordability -this should be edited from evaluating if it increases costs (even if those are fines for poor separation) to if it increases costs for those who can afford it the least
- Circularity/Zero Waste -add in Zero Waste as defined by the Zero Waste International Alliance (especially important as the term circular economy is now getting misused more often). It should be defined using the Ellen MacArthur Foundation definition.
- Waste reduction -is about reducing materials getting discarded, not disposed. Need to decrease compost and recycling as well, also good to target materials that are larger components of the waste but if not looking enough at reduction, may see others creep up (household hygiene for example)
- Environmental Stewardship -need to make Toxicity its own line as this is going to be playing a bigger role going forward as we learn the harms of toxic materials and as the biodiversity crisis increases.
- GHGs should be all scopes not just 1 and 2, should not be net of GHG compared to fossil fuel burning but actuals, also needs to look at increased emissions from burning materials.
- Looking only at high volume materials is problematic as this is a 10 yr plan and everything is small when broken into chunks- the question should be: will it move the needle and does it move another piece of the pie out of disposal.

Options Comments

Note can't see all actions in spreadsheets (end of lines are missing)

1 Rethink

1.1 Advocate for circular economy policies

- Add "and zero waste "(overall ZW should be brought back into the plan),

ID004 -work with munis/regions

- not innovative or difficult as should have been doing this with NZWC for over a decade? Also CCRI, UBCM, FCM, Climate Caucus, BC PSC and used to with RCBC. Likely others like C40 etc. Should already be doing with member municipalities.

1.2 Support the transition to a more circular regional economy through waste prevention -

ID079 include ZW education
ID088 Business certification

- make this easier by partnering with Zero Waste Canada or others who already do this. Instead push businesses to get certified. Don't reinvent the wheel.

ID009 integrate waste prevention

- change to MV to lead by example in ZW

ID013 Build on the innovation

- add "and zero waste "

1.3 Build on and foster an inclusive and collaborative circular economy
ID0029 circular procurement

- very good and much needed

2 Reduce

2.1 Collaborate with businesses and institutions to reduce waste at the source
ID101 Increase in person education where business and others can talk directly with experts on how to reduce waste.

- should be core part of program, actually working with them for tech guidance and so should help decrease costs.

ID 024

- Textiles still important especially over a 10 yr plan if have success on higher weight materials like organics/plastic/paper

2.2 Support residents adopting waste prevention habits &
2.3 Prioritize food waste reduction
initiatives
Over all lots of actions about education but really should be about supporting behaviour change which can include policy/incentives/reminders, etc.

2.4 Enhance approaches to Metro Vancouver's disposal ban program
ID107 Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions.

- Strongly disagree that affordability should be used as a way to avoid this action. Should not measure affordability on ability to skip proper costs. Same for convenience -it should be about making the right thing more convenient, not the wrong thing.
- Should have clear bags as its own action, not with tech.
  Same for ID105 on textiles

3 Reuse

3.1 Support consistent approaches to reuse
ID063 regional harmonization on reuse -Think SUI are important to tackle -not sure if affordability has to be impacted or more that it needs to be considered in how it is implemented.

3.2 Increase reuse of used building materials

ID 039 encourage the development of an in-region facility for triaging building materials to their best and highest use.

- Very important

3.3 Foster the broad adoption of reuse, refill, and repair

- Needs some direct action to foster this

3.4 Work with event organizers, businesses and institutions to increase reuse

ID054 -add on subsequent action - “and then implement if suitable”. This is an example of where the action is not suitable for a ten year plan but is instead the first step of many that could be implemented in a ten year span.

ID055 -reusable food ware - Think SUI are important to tackle -not sure if affordability has to be impacted or more that it needs to be considered in how it is implemented.

ID066 – unclear how better data by itself is having any impact so not clear how the rubric was used to evaluate this. It is a good action but more from a foundational level and not because this alone will reduce waste or GHGs or impact affordability. Or perhaps the action is about communicating options for repair but it is not stated this way.

3.5 Increase access to reuse, refill and repair

ID060 explore feasibility… add on subsequent action - “and then implement if suitable”. This is another example of where the action is not suitable for a ten year plan but is instead the first step of many that could be implemented in a ten year span.

3.6 Scale efforts to recover food

- Important

3.7 Encourage and celebrate residents and businesses that prioritize reuse and refill practices

4 Recycle

4.1 Promote design for recyclability and the use of recycled content in products and packaging

- This should be under rethink as it is about design.

ID 109 Research and advocate for improvements to the recyclability of plastic-lined paper products such as coffee cups.

- Is this about trying to recycle hard to recycle item or can it be replaced, or the non-recyclable components phased out? If just about plastic lined items, how is this not ranked low under existing scale? If the latter, should be under rethink.

4.2 Enhance EPR programs

ID119 Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.

- This should not increase costs unless the EPR program is not paying for it (which it should) and this would be a key way to decrease contamination (saving those penalties). So far, costs for Recycle BC are not showing up in consumer costs.

4.3 Encourage the development of new recycling infrastructure

- MV should develop its own composting infrastructure, in region.
- MV should start furniture recycling across region
- MV should offer book recycling across region
- For all non-EPR non-food/garden materials MV should track data and systems to support transition to EPR

4.4 Improve participation in green bin programs and alternatives for multi- family residents and businesses

- Plus institutions!!!
  ID 128 Determine what role, if any, compostable plastics can play in organics management systems.
- Key is not to introduce new forms of contamination into existing streams and to ensure it is not a way to EPR programs to offload costs-this is not noted in the factors

4.5 Make recycling easier and more effective by reducing confusion and improving convenience
ID 133 -standardized sign tool very good -collaborate with other governments on this and offer decals

4.6 Target recycling education

- More on behaviour change and coaching, less on what sounds like brochures, such as involving artists/influencers (rationale for low makes no sense) ID 148 and ID 151 comparison
  ID 129 Promote and educate residents on worm bins, backyard composting.
- Should factor in human-wildlife issues and develop tools/coaching like the North Shore Recycling Program had before it folded.

4.7 Increase transparency of what happens to materials from recycling and green bin programs

- Needed

4.8 Prevent litter and illegal dumping through public space recycling initiatives

- This should be under 6.0 Disposal
- Not going to help on most criteria but needed

5 Recover

5.1 Recover materials and energy from non- recyclable materials
ID 169 burn dimensional wood
ID 172 burn demolition wood waste
ID170 burning in cement plants
ID179 "beneficial use of ash –

- 100% disagree with all of these, this is why we did not support the energy recovery part in the hierarchy, but including it in the hierarchy led to a goal and now it has these actions. Please reverse this inclusion in the hierarchy.
- Keep in mind grant funding and private investment is still someone's money and it is money that does not then get used for other better purposes.

This section if it continues to exist should be looking at Material Recovery, Biological Treatment (MRBT) for mixed waste, recovering tires from landfill (saw many on the landfill tour). It should only focus on recovery of Materials, not Energy as it will always waste more energy than if the materials are recovered or ideally managed through any of the higher hierarchy levels.

6 Disposal

There should be a section for disposal. This should include the following:

- Phase out the incinerator by 2028
- Implement a ban on waste to energy and incineration in the region and for waste coming from the region
- Waste will go to landfill but landfills will be selected based on their ability to meet the best in class environmental criteria (minimizing gas emissions, leachate control, etc.) and social criteria (minimize impact to those nearby, social acceptance by receiving area, etc.)
- Gathering information on what was wasted and critically, why? Good data exists from waste composition studies which could be scaled back to every other year or when systemic changes are enacted to determine the impacts. Instead, start researching the cause of the waste (did not have bins, lack of enforcement, confusion over material, lack of pother options locally, etc.)

Ideas for other sections

Engaging with First Nations is a needed step but there should also be co-planning for any waste that may be collected on First Nation reserves that enters the MV waste system, as well as collaboration on tools/educations, etc. that could benefit multiple communities. Also recognizing the many First Nation members that are living in MV (off reserve).

Wildlife attractant management should be a part of the management plan.
Recycle bins and garbage bins should be wildlife resistant like having locks on them.

- This should be part of the SWMP as well as the debris plan -there are lots of bear issues across the region, but also litter with crows, coyotes, raccoons.

Looking at partnerships with fellow regional districts to see how we might be able to work together. For example: dealing with drywall together, addressing wood waste in an economic development plan (Like King County has looked at for highest and best use of wood - i.e. not burning).

Adopt the ZW hierarchy as the guide and encourage others to do so as well.

- This is still a necessary step and the failure to do this is resulting in these subsequent problems

Items now grouped under the development of recycling and waste centre strategic approaches

- should be a strategy in the plan, like the others and then be clear on what will be done and what is goal
- Same for regulatory strategies

Ideas considered unadvisable

Close the Waste- to-Energy Facility- MV rationale for not including:

1. In spite of the region's success in reducing waste, approximately 1,000,000 tonnes per year of garbage from residential commercial and institutional sources require disposal. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling.
    - Cost information is inaccurate -would be cheaper to pursue closing facility. A quick glance at the line items of any year of the Metro Vancouver five year financial plan will show this. Metro Vancouver continues to avoid sharing the cost information related to its budget lines that proves its claim of incineration being cost effective.
    - If the region is as successful as stated, should be able to decrease the waste enough to not require this facility and that should be a goal. It has done this before which is why a new incinerator was not built so it can do it again.
2. Emissions from the Waste-to- Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
    - What is more accurate to say is that permitted levels of pollution are out of date. MV is not required to test continuously for the most toxic pollutants as is required in Oregon and for some in the EU. The province is requiring MV to hold a public consultation on updating the pollution levels and testing. Health Authorities are required to be part of developing a public health risk assessment.
    - There is a difference between "meeting parameters" and not causing harm to the environment and health
    - Also similar to findings around newer incinerators, there are dioxins in the close vicinity. There needs to be a thorough testing of the actual levels of pollution and work done to eliminate them.

I fully support the closure of the incinerator and investment in zero waste actions instead.

I am also very concerned that Metro Vancouver has not been more frank with the committee in terms of noting that it is pursuing agreements that can last for up to 50 years and where significant financial penalties could be incurred if the facility does not exist. The most recent one also mentions the possibility of rebuilding the facility, which Metro Vancouver has been indicating they are not considering. Our committee has been in existence since 2022 and yet has not been asked about these important decisions. The process seems to have been designed to have the incinerator locked in before there is any committee decisions or discussion.

Don't send materials to cement kilns and other industries for recovery -MV rationale for not including:

1. Where a feasible alternative exists, Metro Vancouver aims to manage materials according to the highest applicable level of the waste hierarchy (e.g. recycling before recovery). Recovering energy and resources from non-recyclable materials is preferable to disposal according to Metro Vancouver's waste hierarchy, which is consistent with the provincial and federal hierarchies.

- This is not consistent with the ZW hierarchy.
- These facilities are nowhere near the level of pollution control and testing of a provincially regulated facility.
- As noted for some recover actions, this further incents bad design, bad systems and does not decrease waste.
- The guidelines for SWMPs clearly state that the federal and provincial hierarchies do not need to be followed -communities can choose stronger ones, in fact leading jurisdictions have.
- Metro Van to date does not seem to be actively seeking better (reduce/reuse/recycle) options for these materials.

Agree that closing the landfill, adding new incineration (WTE) capacity and privatizing the collection /sorting systems, and single stream collection are all bad ideas. Extending the life of landfills as long as possible through waste reduction is recommended.

- MV should make it explicit in the SWMP that no new waste incineration or WTE facilities will be allowed.

[redacted]



October 28, 2025

Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions

Light House Sustainable Building Centre is a Canadian non-profit organization committed to advancing sustainable and low-carbon building practices. Our work focuses on fostering innovation in policy, design, and construction to reduce the environmental impact of the built environment. Light House's [redacted] of Circular Innovation, [redacted] currently sites on Metro Vancouver's Solid Waste Management Plan Public/Technical Advisory Committee.

Light House appreciates the opportunity to provide feedback on potential strategies and actions presented by Metro Vancouver in relation to the development of the region's Solid Waste Management Plan.

While we appreciate the process that Metro Vancouver has followed to receive input on action items and frame the feedback received in the context of the evolved prevention hierarchy, it is our view that the action items fall short generally in several ways:

- The actions detailed are limited concepts that do not address the system-level changes that are required to move towards a circular economy. Actions need to focus on re-engineering existing systems and infrastructure, driving behaviour change and shifting capital to scaling circular economic activities.
- As part of a 10-year plan for managing solid waste in the region, the actions lack SMART targets and outcomes to define the desired outcomes of the region's material management strategy. Without clear outcomes there is no accountability for attaining circular objectives.
- All actions continue to use waste terminology focused on tailpipe solutions and language that devalues materials -- waste prevention and waste reduction -- rather than circular economic terms that highlight the inherent value of material resources, including reducing use of virgin materials and treating excess and salvaged materials as a resource.

We submit that Metro Vancouver's SWMP include a select number of bold and tangible actions directed at systems-level change towards a more circular economy; each action accompanied by SMART targets.

It is not possible to comment on all the actions detailed in the list provided by Metro Vancouver. The following is a reframing of a select number of actions under some of the pollution prevention hierarchy categories for illustrative purposes. We submit that the entire list of actions needs to be reconsidered with reference to the principles stated above. In addition, we endorse the comments made by [redacted] with HSR Zero Waste and [redacted] of Zero Waste BC.

1. **RETHINK**

Currently, all proposed actions under section 1.1 (Advocate for circular economy policies) focus on advocating for change rather than leading on change through action. Metro Vancouver should set out clear actions that demonstrate leadership and move the region towards a circular economy in a tangible way. For example,

- Develop and implement a circular economic policy framework that addresses all three elements of the circular economy as defined by the Ellen MacArthur Foundation to replace the Solid Waste Management Plan.
- Reframe all regional solid waste policies and programs in terms of circular economy principles and concepts.
- Require that all regional and regionally-funded projects have material diversion targets with reporting that clearly identifies end fates.
- Require that all regional procurement policies prioritize use of reclaimed materials, including minimum reuse requirements.

We support a number of concrete actions under section 1.2 (Support the transition to a more circular regional economy through waste prevention), such as ID088 (develop circular certification programs for business) and ID042. However, most actions fall short of what is required to achieve this desired transition. Accordingly, Metro Vancouver should outline clear and impactful actions, not just support, to transition to a circular regional economy, such as:

- Allocating $X millions to developing and scaling circular initiatives over 5 years.
- Establishing programs in partnership with industry associations and educational institutions to foster awareness about the circular economy amongst, students, SMEs and other community stakeholders.
- Modifying ID009 to specify the exact policies that Metro Vancouver will integrate, including:
    - Allocation of underutilized regional lands for waste diversion programs
    - Reuse requirements in new regional construction or regionally-funded construction
    - Introducing bans on importing materials into the region that do not have a recycling option.

Sincerely,

[redacted] Circular Innovation
Light House
P: [redacted]
E: [redacted]

Metro Vancouver Solid Waste Plan
PTAC Comments to the Draft Strategies and Actions Options Analysis 2025
November 8, 2025

Comments via track changes

1.0 RETHINK
1.1. Advocate for circular economy policies

ID090 Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular economy (including food systems) that provides for standardized terminology, specific metrics and timelines of performance.

New comment
Advance the thought leadership on circular economy by providing support through speaking engagements, venues and learning opportunities for stakeholders.

New comment
Advance the framework and obligation of manufacturers and producers of protecting the environment and protecting the public interest.

4.0 RECYCLE
4.1. Promote design for recyclability and the use of recycled content in products and packaging

• ID112 Enhance partnerships with the provincial government, academia, and community groups where industry provides funding to research and develop solution to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.

Develop support with the provincial government on consumers unclaimed deposits (i.e. beverage containers) that arise from the Recycling Regulation to fund general recycling initiatives of Metro Vancouver.

4.2. Enhance EPR programs

• ID116 Identify and advocate for additional materials to be added to extended producer responsibility programs including non-residential packaging with and without readily available markets, such as mattresses and household furniture.
• ID118 Advocate for full funding of producer responsibility programs and the expansion of residential-only programs to businesses.
• ID119 Advocate for accelerated deployment of direct collection and recycling of an expanded suite of materials including film plastic and foam.

ptac draft strategies ideas [redacted] cmt 112025

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• ID121 Advocate and have a regulated framework for expanded recycling drop-off options funded by the stewards or producers of the product for materials such as household hazardous waste, batteries, and items that are not traditionally recycled through the residential blue box, considering mobile options to improve convenience and accessibility.

• ID117 Continue to participate in BC product steward engagements and provide feedback on their regulatory obligations of EPR, the public interest and improvements to existing programs and the development of new programs

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4.5. Make recycling easier and more effective by reducing confusion and improving convenience

• ID131 Improve access to textile donation and recycling collection services and advocate for textile producers and retailers to set up infrastructure for recycling.

• ID132 Recognize and reward those who recycle well so others are inspired to follow their example; by creating app

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• ID135 Provide a leadership to standardize national guidelines on what can and cannot be recycled; with standardize symbols and colors

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• ID138 Review multi-family residential waste and recycling container space and access guidelines, including determining if the guidance needs to account for increased amounts of material or additional types of materials.

• ID134 Centralize information sources to make it consistent and easier for the public to find information and look for resources.

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• ID136 Advocate for producers, businesses and recycling depots as a responsible steward to work towards streamlining the types of materials accepted where practical.

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Solid Waste Management Plan Public/Technical Advisory Committee

2026 Work Plan – Potential Items

Meeting Date: November 20, 2025

An annual work plan for the committee will be developed by Metro Vancouver staff based on deliverables in the solid waste management plan development. The work plan will be reviewed annually by the committee, and will guide development of meeting agendas.

Priorities		
Item	**Status**	**Proposed Meeting Date**
Solid waste management plan update:		
• Draft Solid Waste Management Plan Introduction	Pending	January 29, 2026
• Plan Monitoring Committee - Discussion	Pending	January 29, 2026
• PTAC Member Comments on Draft Plan	Pending	February 19, 2026
• Plan Implementation Approach – Discussion	Pending	March 26, 2026

2026 Meeting Dates:

January 29, 2026
February 19, 2026
March 26, 2026

Solid Waste Management Plan Public/Technical Advisory Committee

2025 Annual Work Plan – Updated Draft

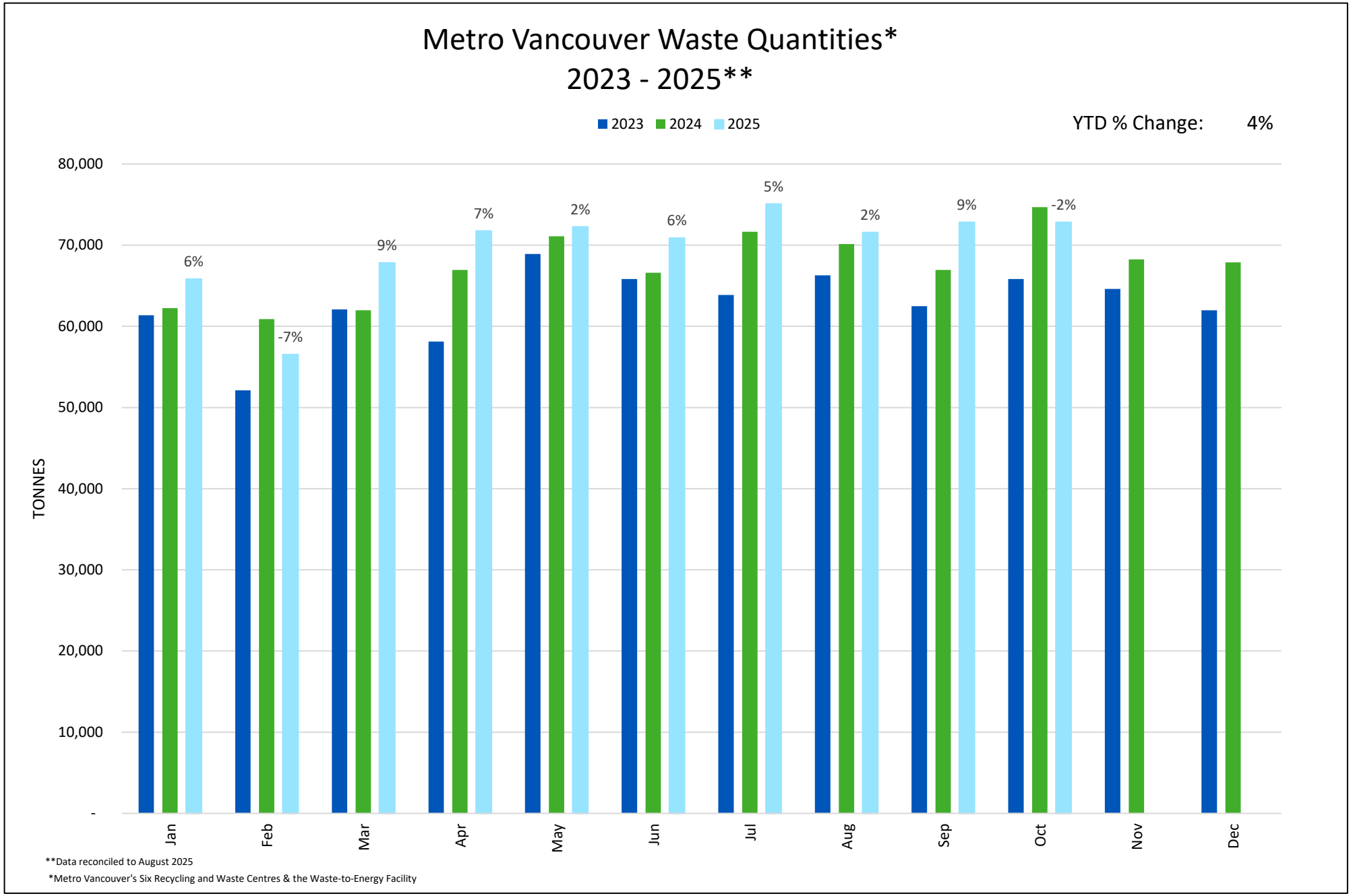
Meeting Date: November 20, 2025

An annual work plan for the committee will be developed by Metro Vancouver staff based on deliverables in the solid waste management plan development. The work plan will be reviewed annually by the committee, and will guide development of meeting agendas.

Priorities		
Item	**Status**	**Proposed Meeting Date**
Public/Technical Advisory Committee Updated Terms of Reference	Complete	February 21, 2025
2023 Solid Waste and Recycling Statistics	Complete	February 21, 2025
Solid waste management plan update:		
• Introducing Goals and Options Analysis Criteria	Complete	February 21, 2025
• Climate 2050 Solid Waste Primer	Complete	April 10, 2025
• Draft Hierarchy, Goals, and Performance Metrics Feedback Session	Complete	April 10 and May 8, 2025
• Options Analysis Criteria	Complete	May 8, 2025
• Regulatory Framework	Complete	June 19, 2025
• Idea Generation Engagement Summary Report	Complete	June 19, 2025
• Concrete and Asphalt Recycling Opportunities Review	Complete	June 19, 2025
• Recycling and Waste Centre Strategy	Complete	June 19, 2025
• Residual Waste Management Options Review	Complete	September 18, 2025
• Plan Outline, Rubric, and Strategies Review	Complete	September 18, 2025
• Vancouver Landfill Tour	Complete	September 18, 2025
• Options Analysis Feedback Session	Complete	October 3, 2025
• Targets and Metrics	In-progress	November 20, 2025

2025 Meeting Dates:

February 21, 2025
April 10, 2025 (In-person)
May 8, 2025
June 19, 2025
September 18, 2025 (Vancouver Landfill Tour and meeting)
October 3, 2025 (In-person)
November 20, 2025 (In-person)


Metro Vancouver Waste Quantities*
2023 - 2025**
2023
2024
2025
YTD % Change: 4%
TONNES
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
6%
-7%
9%
7%
2%
6%
5%
2%
9%
-2%
Jan
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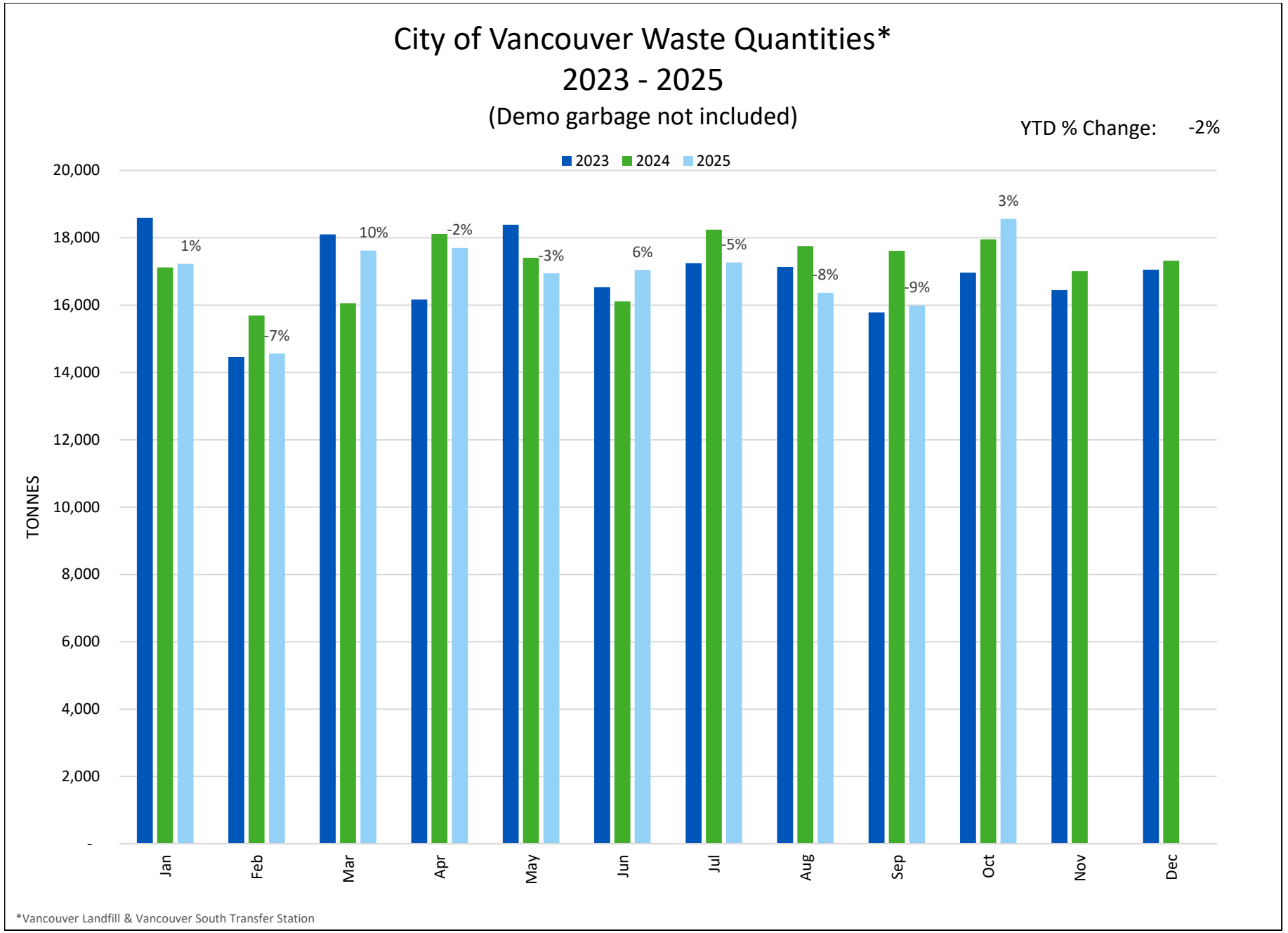
**Data reconciled to August 2025
*Metro Vancouver's Six Recycling and Waste Centres & the Waste-to-Energy Facility


City of Vancouver Waste Quantities*
2023 - 2025
(Demo garbage not included)
YTD % Change: -2%
2023
2024
2025
TONNES
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
-
1%
-7%
10%
-2%
-3%
6%
-5%
-8%
-9%
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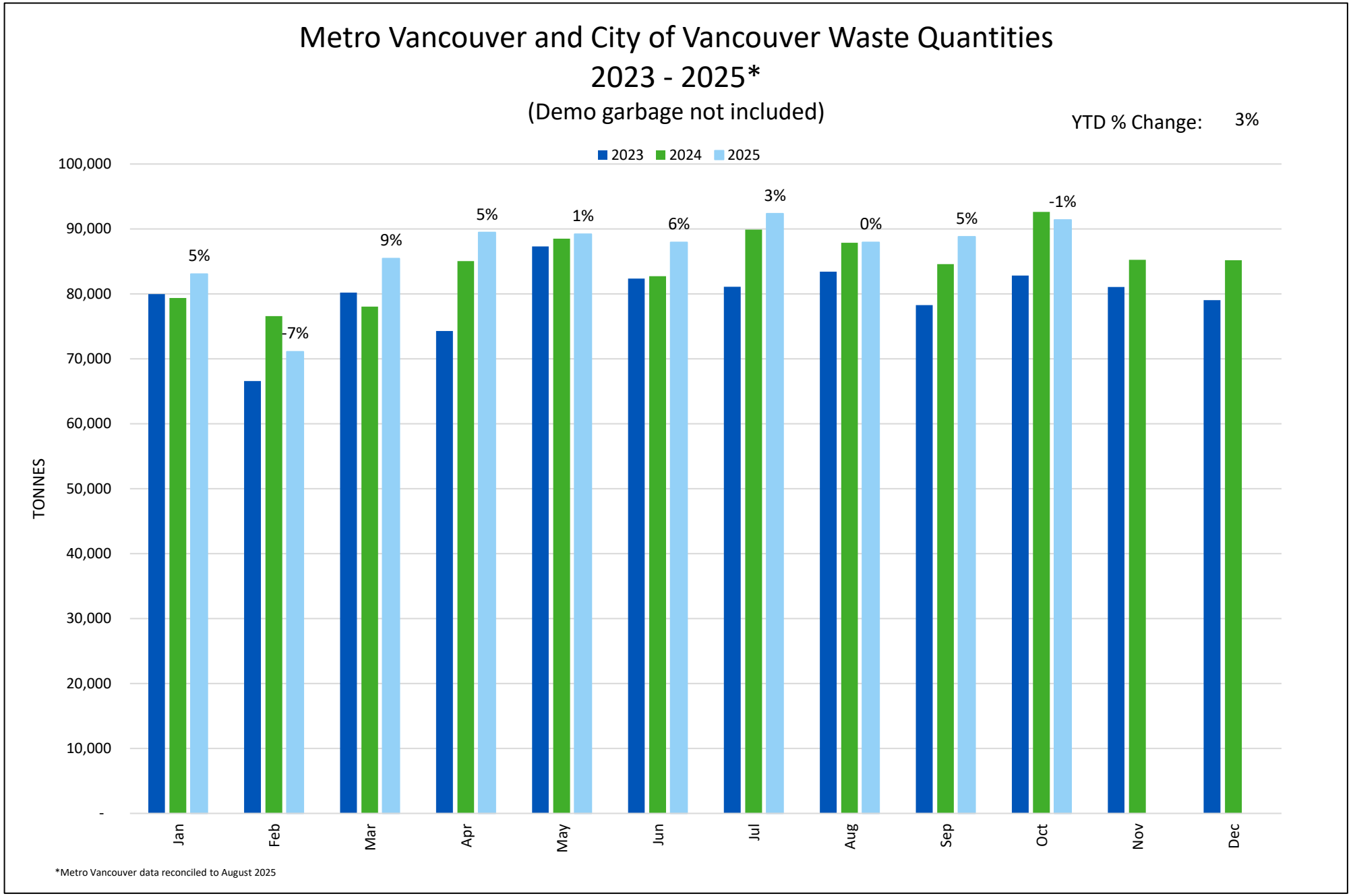
*Vancouver Landfill & Vancouver South Transfer Station


Metro Vancouver and City of Vancouver Waste Quantities
2023 - 2025*
(Demo garbage not included)
YTD % Change: 3%
2023
2024
2025
TONNES
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
5%
-7%
9%
5%
1%
6%
3%
0%
5%
-1%
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
*Metro Vancouver data reconciled to August 2025



Effective municipal policies to reduce single-use pollution

Anthony Merante, Oceana Canada

With offices and staff around the world,

CANADA

UNITED STATES

MEXICO

BELIZE

BRAZIL

PERU

CHILE



UNITED KINGDOM

EUROPE

PHILIPPINES

Oceana is the world's largest ocean-focused conservation organization, with a goal of eliminating unnecessary single-use plastics

PROPOSED: REUSE BYLAW

- Cities across the world are facing litter issues
    - Landfill bound products
    - Polluted shorelines
    - Overflowing waste bins
    - Parks requiring constant clean up
- Single-use products in the hospitality sector are commonly top of the litter lists
- Hospitality can be seen as two sides: dine-in & dine-out
- Dine-out waste solutions are still undergoing innovation
- Dine-in waste solutions are here, simple, and within municipal jurisdiction
- Cities can pass a “reuse bylaw” requiring on-site food and beverage service to be carried out using reusable foodware
    - Cups, ramekins, glasses, chopsticks, plates, silverware, etc.
    - Products that are collected, cleaned and re-stocked

ON-SITE FOOD AND BEVERAGE SERVICE IS ~30% OF SALES

REUSE IS COMMON IN SMALL & MEDIUM BUSINESES

BIG WASTE WINS WOULD COME FROM THE LARGEST POLLUTERS


ZERO
WASTE
VICTORIA
TARGET
50% reduction in landfill disposal by 2040

On Sept. 5, the City of Victoria adopted the Single-Use Items Reduction bylaw it hopes will significantly reduce the distribution of single-use items (currently calculated at 60 million items each year) and make commonly used plates, cups and cutlery reusable in local restaurants.

The move aligns with Victoria's Zero Waste strategy to reduce landfill waste by 50% by 2040.

"This is a significant step forward in our commitment to fostering a circular economy," said Mayor Marianne Alto. "The new bylaw will reduce waste, lessen the strain on our regional landfill, and create a cleaner community for residents and visitors."

The BC Restaurant & Foodservices Association (BCRFA) offered its approval.

"The city team took a careful and cautious approach to developing a bylaw that is fair and addresses the importance of reducing single-use items," said Ian Tostenson, president of the BCRFA.

Other Canadian cities passing reuse/anti-single-use bylaws:

- Victoria, British Columbia
- Banff, Alberta
- Edmonton, Alberta
- Guelph, Ontario
- Toronto, Ontario
- Montréal, Québec
- Mont Tremblant, Québec
- Terrebonne, Québec

And the entire country of France

Canada's First Stadium-Wide Reusable Cups Program

24 September 2025

share wares





SUSTAINABILITY

Francos de Montréal implements sustainable initiatives to minimize its impact on the environment and maximize its positive influence on society and the local economy.

Oceana Canada
1,852 followers
3mo • Edited •

Live Nation Canada introduced reuse at the new 50,000-capacity Rogers Stadium during their week of #Coldplay concerts, setting a powerful example of environmental leadership. They provided free and accessible water refill stations and served mixed drinks and draft in reusable cups. As a result, tens of thousands of single-use products per show were kept out of landfills and kept from polluting rivers, lakes, and oceans. This is the kind of reuse leadership Canada needs. This is how we protect the oceans 🍋.

We urge Live Nation Canada to continue this reuse model for future shows, and we call on the City of Toronto and the City of Vancouver to replicate this at the FIFA World Cup 2026™ - Canada, Mexico and the United States Fan Festivals.

Quotes and photos provided by Rachel Labbe-Bellas from O'land Stations and Scott Morrison from Muuse.



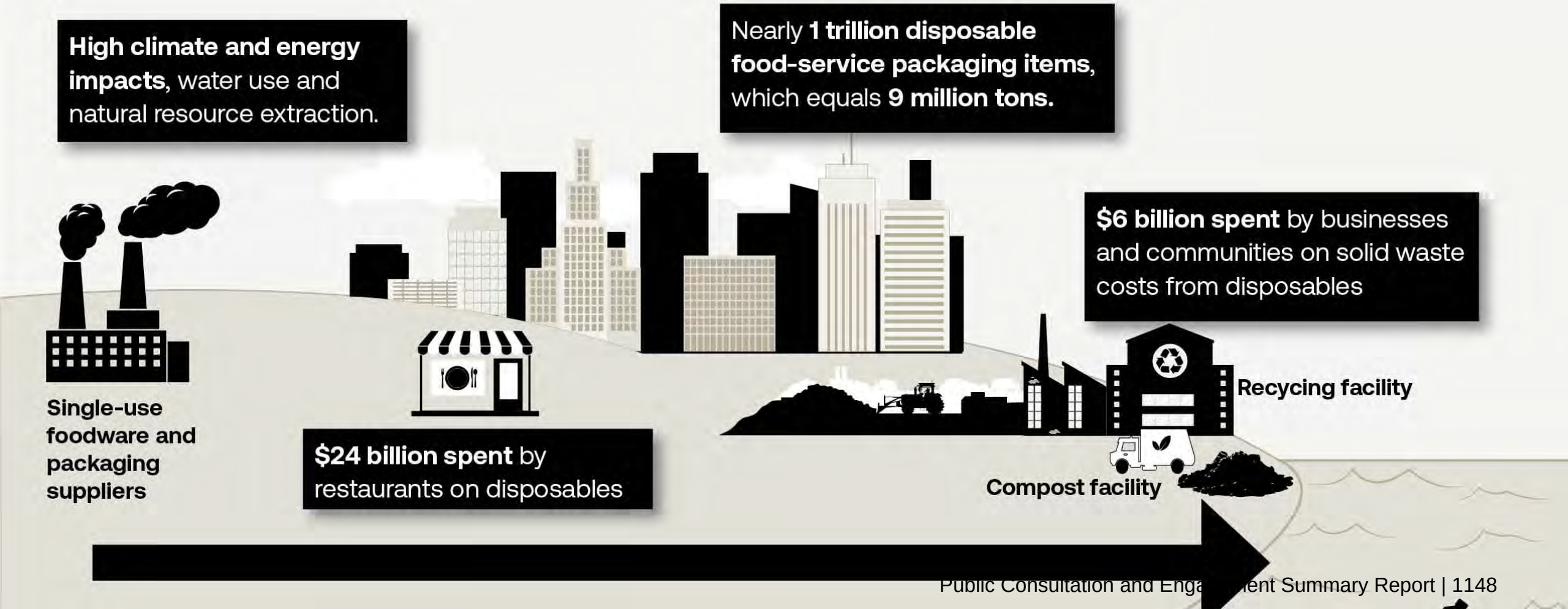
Better dining culture, less waste, cleaner beaches.

When a city adopts a reuse bylaw it:

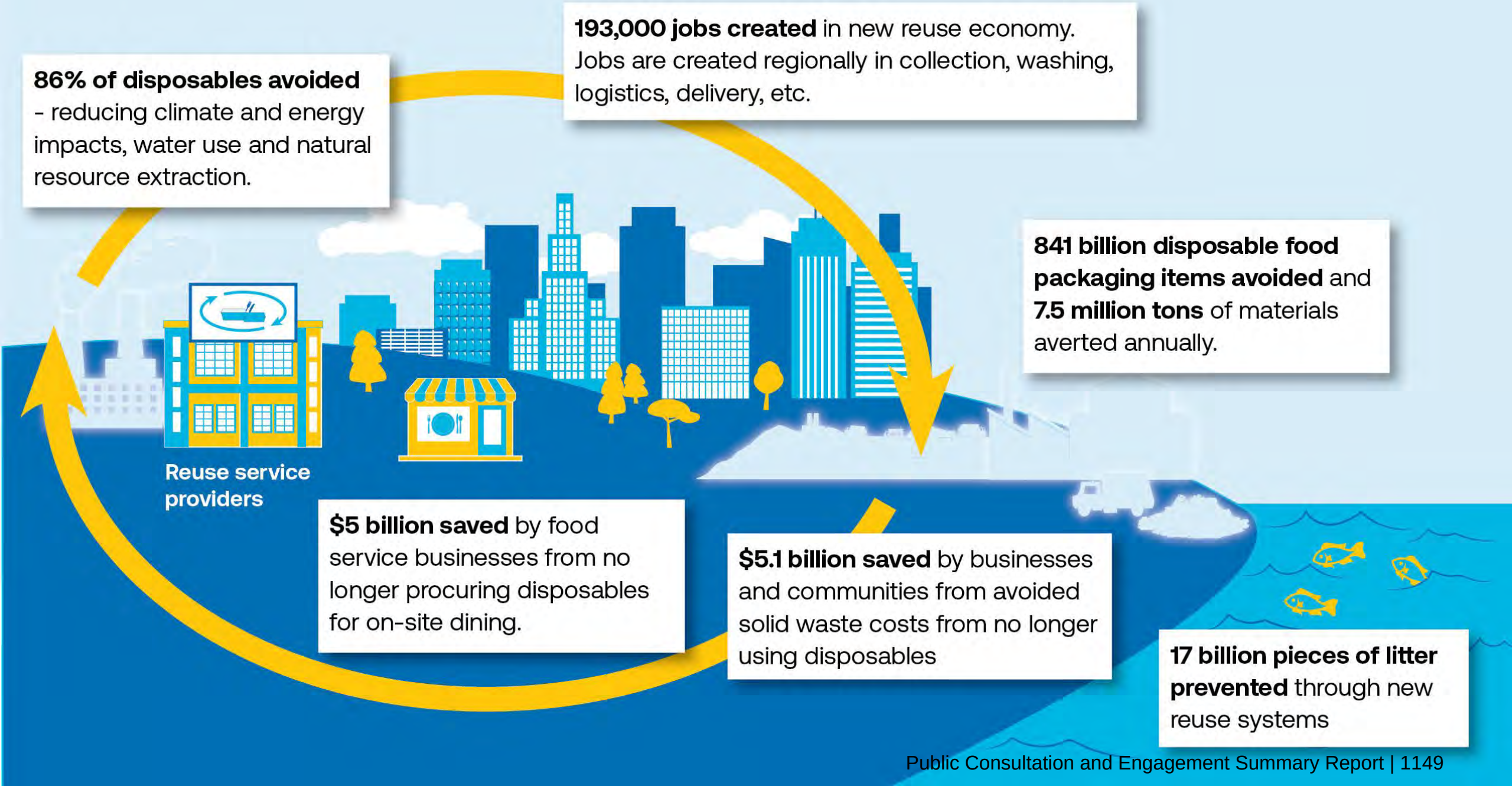
- Levels the playing field for businesses looking to get into the reuse market (standard design for products)
- Supports shorter supply chains which are more reliable, less volatile, and create local green jobs
- Significantly reduces the amount of waste coming out of businesses and on collection day
- Creates a sit-down culture which supports business centres and shopping areas
- Unlocks a viable pathway for a local circular economy and new businesses to emerge
- Costs the city nothing, while seeing gains economically and environmentally

Reuse Wins Report | Upstream Solutions (USA)

Today's "one-way throw-away" food service model



Reuse Wins Report | Upstream Solutions (USA)



LET'S DRAFT A SIMPLE, EFFECTIVE, AND BUSINESS FRIENDLY BYLAW



Draft Bylaw Language

High level goals:

- Keep it simple, and easy for businesses to understand
- Create a bylaw that benefits majority of Vancouverites
- It must have teeth to be effective
- Isolate the big sources of single-use waste
- The results should be highly visible to gain long-term support
- Properly define your targets, your expectation for reuse, your exceptions
- Publish in all relevant languages spoken in Vancouver
- Make sure local BIAs understand the bylaw
- Use Victoria's Single-Use Items Reduction Bylaw (No. 23-013) as a base

Bylaw:

- **Target restaurants, cafés, theatres, entertainment venues, and annual festivals – places that seat over 12 individuals***

** Don't die on the hill that the tiny 5-person café needs to buy a dishwasher to partake*

- **Target on-site service and require the establishment to collect, clean, and re-stock the foodware (or via a third party)**
- **Festival permitting to require sustainability plans that integrate reuse systems and minimize single-use**
- **Create a timeline for phase-in no longer than 3 years**



Bylaw:

- You will receive pushback from large chains (i.e., fast food) that have invested in single-use
- For chains with >5 locations, allow 3-year phase in to allow zoning changes for dishwasher installation or create third party reuse partnerships (if needed)

Reuse protects local environments and businesses; multinational chains only burden local waste streams by continuing on a linear, single-use path



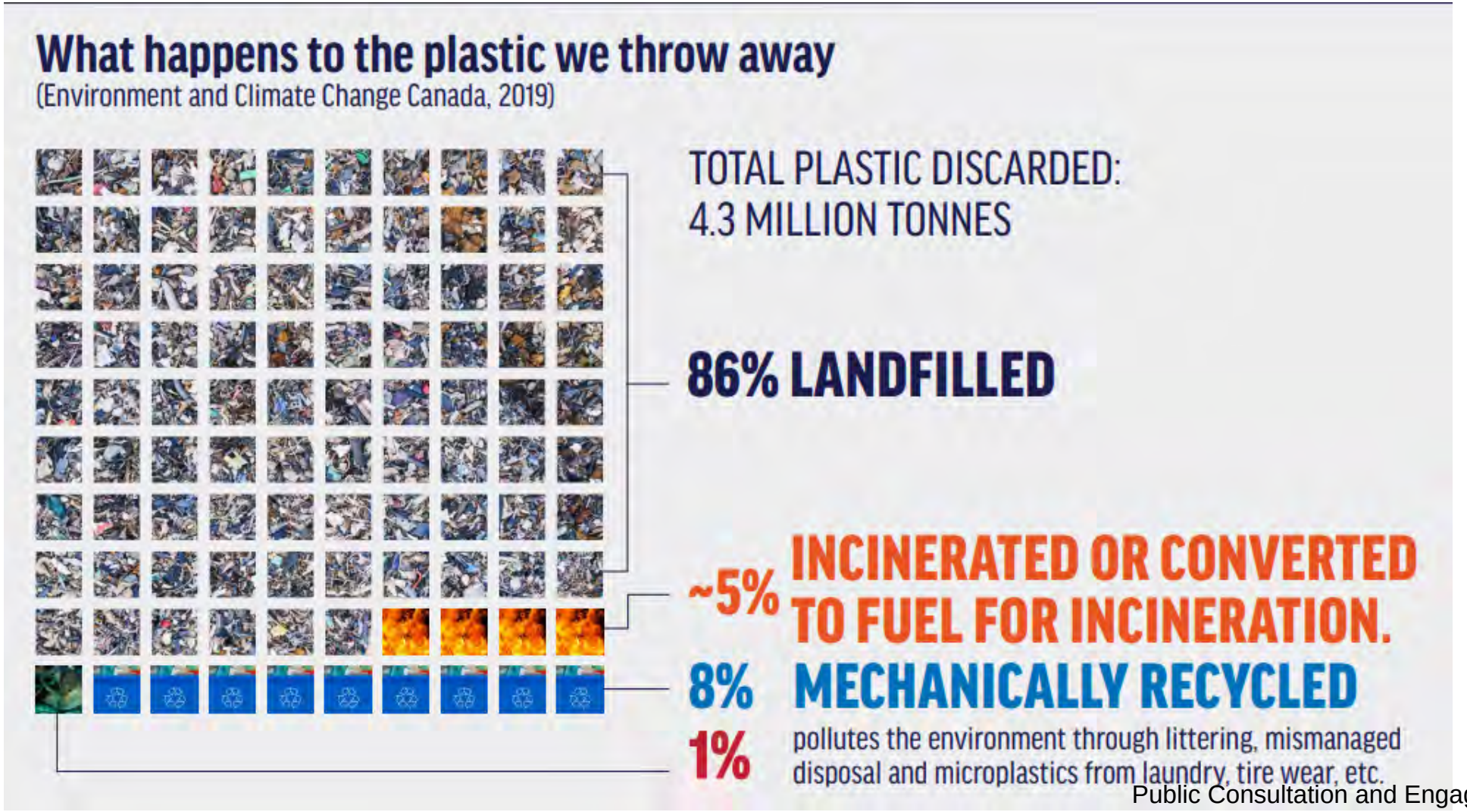
Oceana Canada is currently working with the City of Toronto to adopt **a city-wide reuse bylaw ahead of FIFA World Cup 26™** as a policy outcome from hosting the tournament.

Vancouver can join that rally and leave behind a Canada-wide sustainability legacy.




OCEANA
Protecting the
World's Oceans

Recycling is **not circularity**. Most single-use products are made of plastic or contain plastic (as liners) leading them to failing recovery rates:



metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

IN-PERSON MEETING

Friday, October 3, 2025
1:00 pm – 4:00 pm
Meeting Room: Metro Vancouver Head Office- Room 2912
Small Group Discussions: Room 2911 and 2912

A G E N D A

ITEMS	TIME
1. WELCOME • **Independent Consultation and Engagement Panel Members** o Andrea Reimer, Celena Benndorf, Ryan Williams	1:00 pm – 1:05 pm
2. AGENDA	1:05 pm – 1:10 pm
3. PREVIOUS MEETING NOTES **3.1 September 18, 2025** (Attachment 1)	1:10 pm – 1:15 pm
4. DISCUSSION ITEMS **Solid Waste Management Plan Update:** **4.1 Potential Strategies and Actions Feedback Session** (Attachment 2) *- Small group discussion on first 4 Rs (Rethink, Reduce, Reuse, Recycle)* *- Plenary discussion on actions under Recover, and ideas staff consider unadvisable* *Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services and Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services* **BREAK** **4.2 PTAC Feedback on Draft Plan Outline and Residual Waste Management Options Review**	1:15 pm – 3:00 pm (Small group discussion) 3:00 pm – 3:25 pm (Plenary discussion) 3:25 pm – 3:30 pm 3:30 pm – 3:45 pm

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

Plenary: For Feedback *Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*	
5. INFORMATION ITEMS **5.1 Zero Waste Committee** - October 2025 Zero Waste Committee agenda - BCUC applications - BC Hydro electricity purchase agreement and Burnaby thermal purchase agreement - Waste-to-Energy Facility Operational Certificate *For information* *Designated Speaker: Paul Henderson, General Manager, Solid Waste Services* **5.2 Zero Waste Conference 2025 Reminder** (Attachment 3) *For information* *Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*	3:45 pm – 3:50 pm
6. ACTION/STANDING ITEMS **6.1 Action Tracker** (Attachment 4)	3:45 pm – 3:50 pm
7. ADDITIONAL ITEMS **7.1 Responses to Questions from PTAC September 18, 2025 Landfill Tour** (Attachment 5) **7.2 Public/Technical Advisory Committee Updated 2025 Work Plan** (Attachment 6) **7.3 Regional Waste Flows August 2025** (Attachment 7) **7.4 Metro Vancouver Disposal Ban Report** (Attachment 8)	3:50 pm – 4:00 pm
8. NEXT STEPS AND NEXT MEETING DATE	4:00 pm

Attachment 1: Draft Meeting Notes – September 18, 2025 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Potential Strategies and Actions for the Solid Waste Management Plan Update

Attachment 3: Metro Vancouver Zero Waste Conference Information

Attachment 4: Action Tracker

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

Attachment 5: Responses to Questions from PTAC September 18, 2025 Landfill Tour

Attachment 6: Public/Technical Advisory Committee Updated 2025 Work Plan

Attachment 7: Regional Waste Flows August 2025

Attachment 8: Metro Vancouver Disposal Ban Report

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

October 3, 2025
In-Person Meeting
1:00 pm – 4:00 pm

MEETING NOTES

The Meeting Notes of the Public/Technical Advisory Committee (PTAC), held in person at the Metro Vancouver – Head Office. The meeting commenced at 1:00 p.m. Pacific Time on Friday, October 3, 2025.

Attendees: Director Sarah Kirby-Yung, Chair; Director Craig Hodge, Vice-Chair; Adelyn Chan, Amika Watari, Brenda Martens, Cody Irwin, Doug Schell, Gil Yaron, Jamie Kaminski, Jennifer Henry, John Doherty, Komal Fatima, Raman Johal, Sarah Scanlan, Sean Miles, Sue Maxwell, William Selten

Absent: Allen Lynch, Ben Liegey, Bill Chan, Cassidy vander Ross, Christoph Schultz, Daniel Rotman, Daryl Foster, Grant Hankins, Jake Turek, Jaye-Jaye Berggren, Kevin Huang, Marcelle Moreira dos Santos, Matthew Morin, Michael Zarbl, Stephanie Voysey, Tara Immell, Ulwiana Mehta-Malhorta

Metro Vancouver Staff: Brooke Atkinson, Chris Underwood, Karen Storry, Paul Henderson, Stephanie Liu, Terry Fulton, Joanna Gauci, Allec Wu, Faith Sabourault

Independent Consultation and Engagement Panel Members: Andrea Reimer, Celena Bendorrf, Ryan Williams

1.	**WELCOME** The Chair, Director Sarah Kirby-Yung welcomed PTAC members and introduced the following Independent Consultation and Engagement Panel Members: • Andrea Reimer • Celena Benndorf • Ryan Williams	Chair
2.	**AGENDA** • The Chair, Director Sarah Kirby-Yung presented and reviewed the October 3, 2025, meeting agenda. **Summary:** • The Chair noted today's session is a workshop format, with the majority of time allocated to reviewing the solid waste management plan potential strategies and actions, and there will be discussion on the options under Recover and the ideas that staff consider unadvisable. • Suggestion that the agenda item titled "Plenary discussion on actions under Recover, and ideas staff consider unadvisable" be discussed in plenary before	Chair

	the workshop on the potential strategies and actions. Members and Chair agreed that this item would be moved for discussion first. • Suggestion that financial discussions were important to have before discussing strategies and asked if there would be budget for actioning these strategies.	
3.	**PREVIOUS MEETING NOTES** • Reviewed September 18, 2025, previous meeting notes and there were no additions made.	Chair
4.	**DISCUSSION ITEMS**	Chair
	Solid Waste Management Plan Update: **4.1 Potential Strategies and Actions Feedback Session** Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, presented on the plan timeline, feedback session objectives, outcome of the options analysis phase, waste hierarchy, and additional opportunities for feedback. **Plenary discussion on potential strategies and actions under Recover:** • Members expressed concern with sending wood to be used as alternative fuel. • Members asked that Metro Vancouver consider the fact that the Vancouver Landfill is closing and there is a carbon neutral goal by 2050. o Staff noted that the bottom ash pilot diverted 40,000 tonnes of material from disposal. In addition, 100,000 tonnes of small load waste material could be diverted from disposal. Acknowledgement that pilot initiatives (e.g., bottom ash beneficial use, small load waste) show potential but need scaling. • Members discussed concerns that funding and resources are being put into the recovery efforts and taken away from other areas (recycling, reuse, reduce, rethink). • Members asked about salvaging reusable materials from garbage. o Staff confirmed that Metro Vancouver does have an agreement with Urban Repurpose at the North Shore Recycling and Waste Centre that includes collecting reusables • Suggestion for clear articulation of triage systems at landfills and transfer stations to capture reusable/recyclable material. • Opposition to further reliance on incineration/waste-to-energy, citing: o Environmental/climate impacts o Risk of diverting resources away from higher priority 4R strategies o Potential cost escalation and conflict with Zero Waste objectives • Concern that including incineration in the plan risks locking resources into low-priority disposal instead of upstream actions • Interest in whether it's possible to set proportional metrics for funding for each strategy **Actions Considered "Unadvisable" by Staff**	Terry Fulton

	Staff presented ideas identified as unadvisable by staff for inclusion in the updated solid waste management plan.
	Member discussion:
	• Need to align these suggestions with Metro Vancouver's Climate 2050 commitments.
	• Questions about cost assumptions used to justify continued operation of the Waste-to-Energy Facility.
	  o Staff confirmed that no work is being done to expand waste-to-energy capacity.
	• Need for a hybrid approach that ensures all residual waste undergoes pre-processing/triage (Material Recovery Facility/Material Recovery and Biological Treatment systems) before landfill or incineration.
	• Source separation is preferable although there is no perfect separation system. Materials could go through a Materials Recovery Facility before going to landfill or waste-to-energy.
	• Many reasons to close the Waste-to-Energy Facility.
	• Privatization of the solid waste system is not advisable, with members citing risks of reduced accountability and oversight.
	  o Important to maintain public system accountability and ensuring that resources are directed toward reduction, reuse, and recycling first.
	
	Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, Metro Vancouver, provided the breakout group exercise details and instructions, highlighting the six tables to choose from including Rethink, Reduce, Reuse (Reuse, Refill, and Repair), Reuse (Food and Built Environment), Recycle (Infrastructure and Programs), and Recycle (Education).
	
	Feedback Session – Four Rs (Rethink, Reduce, Reuse, Recycle)
	• Members chose small groups based on topics (Rethink, Reduce, Reuse, Recycle).
	• Groups reviewed and ranked strategies based on their level of priority to include in the draft plan.
	• Key themes identified:
	  o Strong support for upstream prevention actions (food waste reduction, circular economy initiatives, reuse/repair systems).
	  o High priority placed on education, consistency, and convenience in recycling programs.
	  o Support for expanded partnerships and advocacy at higher levels of government to drive systemic change.
	  o Need to have more ambitious zero waste objectives throughout the plan update.
		Stephanie Liu

	Breakout group notes are included in **Attachment 1**. • Rethink • Reduce • Reuse (Reuse, Refill, and Repair) • Reuse (Food and Built Environment)	

- Recycle (Infrastructure and Programs)
- Recycle (Education)

Highlights from the feedback are presented below:

Rethink, Reduce, Reuse

- Support for actions in top three R's
- Increase focus on infrastructure to make reuse convenient and accessible (land, storage, software, facilities)
- Funding or incentives for piloting reuse and repair initiatives
- Systems already exist but can be further supported/enhanced
- Increase accountability for designing out waste and increasing reusability of products (e.g. use incentives)
- Identify opportunities in reuse and repair industry and skills required for repair; the knowledge exists but needs more focus

Regulation and Incentives

- Advocacy, tools, templates, and education are not enough – they need to be combined with regulation, enforcement, and financial incentives
- Incentivize innovators and entrepreneurs providing solutions for materials so they aren't disposed
- Financial disincentives for disposal vs. recycling
- Advocate for additional materials to be added to EPR regulation

Implementation, Education, and Outreach

- Actions need to be more specific, ambitious, and actionable
- In general, actions need to be stronger – e.g. "fund" instead of "support"
- Support for advocacy and partnerships to drive systemic change
- High priority placed on education, consistency, and convenience in recycling programs
- Strong support for upstream waste prevention (food waste reduction, circular economy initiatives, reuse/repair systems)
- Discussion on motivation for recycling is required; education only works if people are motivated and keen to recycle; maybe introduce penalties
- Education is not enough for event recycling; system needs to be made accessible and easy
- Standardization across the region would help

Public/Private Service Provision

- Solid waste system privatization is unadvisable. Concerns included risks of reduced accountability and oversight. Support for public system accountability, with resources directed toward reduction, reuse, and recycling first.
- Certification/verification of receiving facilities (such as construction and demolition) would enhance confidence in accuracy of data reported

Residual Waste

- Funding currently going to disposal or recovery could be redirected to efforts

	under rethink, reduce, reuse, and recycle • Opposition to further reliance on waste-to-energy, citing environmental impacts, diverting resources away from the top 4 R's, and costs; comment the facility should close • Residual waste should undergo pre-processing before landfill or incineration; source separation is preferrable but still results in some recyclables in the garbage • Review health care waste to direct the materials back to recycling and waste centres	
	4.2 PTAC Feedback on Draft Plan Outline and Residual Waste Management Options Review Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided an opportunity for any further feedback on the draft plan outline and residual waste management options review that was presented to the committee at the September 18, 2025 meeting. **Member discussion:** • Plan update should consider other Metro Vancouver management plans such as the climate action plan, climate 2050. Focus on Integrated plans.	Paul Henderson
5.	**INFORMATION ITEMS**	Chair
	5.1 Zero Waste Committee Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided an update on the October 2025 Zero Waste Committee agenda. **Member discussion:** • The Electricity Purchase Agreement locks the region into a long term commitment, whereas a shorter term interim agreement could have been an option while the solid waste management plan is being updated. o Staff noted that the agreement includes cancellation provisions which are confidential. • A member noted the province updated waste-to-energy regulations in 2011. A consultant reviewed best practices for regulations. **5.1 Zero Waste Conference 2025 Reminder** Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided a reminder about the upcoming Zero Waste conference on November 27, 2025. PTAC members are invited to attend at no cost.	Paul Henderson Paul Henderson
6.	**ACTION/STANDING ITEMS**	
	6.1 Action tracker The action tracker was reviewed, and updates were provided. • Completed: o Circulation of full list of plan update ideas from idea generation phase of engagement	Brooke Atkinson

	○ Information on landfill Greenhouse Gas Emissions shared with members previously via email • In progress: ○ Detailed regulatory strategy to be brought forward in November PTAC meeting ○ OCEANA may present to PTAC at the November 20, 2025, meeting (time-permitting)	
7.	**ADDITIONAL ITEMS** 7.1 Responses to Questions from PTAC September 18, 2025 Landfill Tour (Attachment 5) 7.2 Public/Technical Advisory Committee Updated 2025 Work Plan (Attachment 6) 7.3 Regional Waste Flows August 2025 (Attachment 7) 7.4 Metro Vancouver Disposal Ban Report (Attachment 8)	Chair
8.	**NEXT STEPS AND NEXT MEETING DATE**	
	The upcoming meetings are: • **November 20, 2025** Next PTAC Meeting: Targets and Metrics (in-person at Metro Vancouver) – last meeting of PTAC in 2025.	Chair
9.	**ADJOURNMENT** The Chair thanked members for robust discussion and feedback with an emphasis on consolidating input into the draft Solid Waste Management Plan. The meeting adjourned at 3:47 p.m.	Chair

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
BREAK OUT GROUP NOTES

ATTACHMENT 1

RETHINK
Round 1 – Strategy 1.1
Number of Participants: 4

Fist of 5

Action ID	Total Score
ID005	20
ID003	19
ID004	19
ID090	17
ID001	12

Discussion

Action ID and brief description	Comments / Feedback
Broad Feedback	• Need zero waste objectives re-integrated into the plan – municipal regulatory pieces are not reflected in this draft. • Advocating is important but need to be more directive with action-oriented tasks. • Not setting ambition high enough or recognizing systems change that is needed. o Actions need to be stronger than just advocating and have a bigger vision and ambition. • Need to support more transition to circular economy over long-term while also supporting meaningful systems change. • Need more of an economic development framework – economic pieces need to be more fully considered – i.e., if you are a local innovator, how can regulation support your innovation? • Circular economy frameworks should have zero waste strategy embedded within it. • Big thing that's missing – redesigning the systems, reverse logistics, how do we think about procurement and business model transformation instead of incremental change to what is already happening. • Behaviour change needs to be more explicit. • Important to shift funds and resources and develop circular economy solutions through zero waste tools.

	• Need economy of scale which can't be achieved through pilots. Need more living labs to demonstrate economic models. • Need bolder supports to see changes. E.g., same with single use cup fee. Need to set up test systems to provide signal to market. • Need more bold commitments – e.g., commit $10 million over 10 years.
Specific feedback on Actions	
Strategy 1.1 Action ID001	• Outside supply is a constraint now; so important to get foundational policies in place and that's something that comes out of it. This may come organically through other actions like ID003 and ID004, feels more of a secondary action.
Strategy 1.1 Action ID090	• Important to include, but calls out only the circular food systems sector and likely should be broader.
Strategy 1.2	• Consider how to support transition – important to build on the existing innovation, it will cultivate itself. Need stronger action and ability to quantify current landscape and change.
Strategy 1.2 Action ID008	• Consider creating a business certification – partner with existing organizations.
Strategy 1.2 Action ID079	• Should include zero waste education.
Strategy 1.2 Action ID009	• Change action to have Metro Vancouver to lead by example in zero waste.
Strategy 1.2 Action ID0074	• Limited to food systems – but these concepts are over-arching to all sectors.
Strategy 1.3 Action ID017	• Make action more specific for collaborating with external groups. • Collaborate with circular innovators and entrepreneurs on the ground and across the country.

RETHINK
Round 2 – Strategy 1.3
Number of Participants: 2 (plus one observer)

Fist of 5

Action ID	Total Score	Action ID	Total Score	Action ID	Total Score
ID029	10	ID017	7	ID099	5
ID098	9	ID027	7	ID019	4
ID026	9	IDO23	4	ID023	4
ID160	8	ID022	8		
		ID021	5		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 1.3 Action ID029	• Support for this action. Look at BC Housing, heavily weight cost. More facets we work into developing and implementing procurement policies that pull weight away from costs, towards circular criteria, is great. • All member jurisdictions have different criteria, so businesses are working in a patchwork. Higher ambition mandated through procurement criteria is what we want.
Strategy 1.3 Action ID026	• Action should go further and be specific about showing business case, collaborating is good but businesses need to know future direction –need to have regional commitments. • Harder words would be better – less about collaborating and educating, moving towards enforce and regulate (e.g. mandate and enforce). • Need to focus on accelerating the adoption of circular business models - this results in setting behavioural norm in the industry. Be transparent with business community about direction Metro Vancouver is going.
Strategy 1.3 Action ID022	• Collaboration with regional economic development agencies is important to develop digital tools. There is existing technology that tracks origin of the material. o Tool should focus on high value materials. If we deconstruct the building, if we don't know origin of material don't know what to do with it. • Consider digital passports and material banks. • How can we facilitate wider adoption, to ensure that tracking and forecasting is included. Working with retrofits – digital tools would be able to be scaled up.
Strategy 1.3 Action ID098	• Needs stronger wording on how to integrate Indigenous practices, important piece is how to do this at scale. • How to be able to have composting programs in every community. • Agro-ecology is a good term to think about and possibly integrate as it's broader principle.
Strategy 1.3 Action ID017	• What would be action that comes out of identifying new circular economy initiatives in communities? This action maybe folds into others. • There are enough materials and for-profit companies that are not getting the lift off or voice that they need to scale. Once we get to scalable systems and technologies – need to not pause before we give them lift off. • Need people participating – and need to widen the tent.
Strategy 1.3 Action ID023	• Deprioritize this in draft plan.

Strategy 1.3 Action ID027	• A lot of requirements for new and up and coming circular economy businesses. Too high risk for businesses – insurance, land, cost margins. • Not sure this action will address these issues, clarify and include this if not elsewhere and this is only reference recycling businesses.
Less relevant	• About scale and enforceability – some of these don't fit from this perspective. E.g., ID018 – continue to learn – feels like we are past that.

REDUCE
Round 1 – Strategy 2.1
Number of Participants: 3

Fist of 5

Action ID	Total Score	Action ID	Total Score	Action ID	Total Score
ID161	14	ID 162	11	ID043	6
ID028	5	ID 020	10	ID028	5
ID101	14	ID062	8	ID040	4
ID002	13	ID024	8	ID100	1
		ID102	7		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 2.1 Action ID028	• Sector education should come first for this action to be implemented. If they don't know where to go, this action won't be as relevant. • Feedback that this ID doesn't address 'reduce'. Sectors have been taking materials to transfer stations for several years; it comes down to the amount of room they have on the ground. • Good for some industries (like schools) but not others (construction). • Tools and templates do not go far enough – we shouldn't be doing that. We should go further and put regulations (e.g. you cannot buy/sell things that end up in our landfills). • Works in settings where there is a universal request for proposal process and they can then put it into their policy. • Needs to be enforceable.
Strategy 2.1 Action ID101	• Action needs to be paired with enforcement. • Need to have a clear strategy to promote/require businesses to participate. • If you have someone from Metro Vancouver coming into the businesses to talk, that's impactful and makes a big difference.

Strategy 2.1 Action ID002	• Requires a financial incentive (e.g. if not using hard to recycle plastics was somehow saving producers money). • Convenience and staffing are also factors. • Companies will only take action if they are pressured.
Strategy 2.1 Action ID102	• Not clear who is the one developing method to estimate or provide score card for businesses
Strategy 2.1 Action ID161	• Would like to see requirements for new construction. • Disappointed we're on the 'workshop' stage rather than further along into implementation. • If businesses aren't not forced to do it, it won't happen.
Strategy 2.1 Action ID100	• This action should have happened years ago. • Educational tools are too 'soft' to be the focus. Need more requirements rather than educational tools.
Strategy 2.1 Action ID020	• Action should include that healthcare has compactors, and when you remove a compactor you should reassess the system. • There's groups within the healthcare system that advocates for recycling, but hard to execute because once there is a contaminant from health perspective it goes to incinerator. • Force healthcare to put in programs to listen to subject matter experts and do the right thing. • We like "co-develop waste reduction solutions" – because in industry, there are experts on what to do with their waste instead of 'workshops'. • Tie to a 3rd party certification – this helps motivate as well.
ADDITIONAL ACTION	• Have mechanism like a sensor in bin so that you only pay for pickup when the bin is full, rather than a regular schedule like weekly – provides an incentive for reducing garbage.
Strategy 2.1 Action ID0403	• Could be effective for other industries but not C&D – they will not respond to a toolkit. They need rules, requirements, and financial incentives/disincentives.
NEW ACTION	• Requirements to submit a zero-waste strategy, implement waste audits or waste plans, etc. could be effective.
NEW ACTION	• Idea of licensing manufacturer, retailer, hauler. • We don't have a clear picture on what receiving facility receives waste from where and which hauler.
NEW ACTION	• Waste reduction coaches – have people supporting businesses directly
NEW ACTION	• Circular procurement – use the region's procurement power, or procurement guidelines. Only buy from companies that do XYZ. • Ban could also have the same effect – if something Is banned, you look for alternatives.
Strategy 2.1 Action ID028	• Nothing about Metro Vancouver implementing procurement strategy that incentivizes/awards sustainable procurement. • Need more commitment – more committal language.

	• Need 10-year plan to develop full procurement policy to then implement. • Metro Vancouver's own internal procurement would be year 1-2, then the next few years expand from there.
General comment	• Don't embed examples in the action – maybe can add examples after. Embedding examples makes these actions confusing.
General Comment	• Include a timeline for stages of implementation of these actions.

REDUCE
Round 2 – Strategy 2.4
Number of Participants: 5

Fist of 5

Action ID	Total Score
ID107	20
ID105	19
ID106	19

Discussion

Action ID and brief description	Comments / Feedback
General Comments on strategy	• Problem with bans is we don't have infrastructure to support reuse. • Reengineer the way we manage materials to support reuse. • The bans don't come into place until there is infrastructure in place to handle the material flow (for recycling/reuse). • Regional District of Nanaimo has a study on clean wood ban – set up streams for wood in advance of the ban – they were revenue generating streams. o Good case study to look into when implementing bans. • Disposal Bans should not be under 'Reduce' as they encourage diversion as opposed to waste reduction. • Ban does not reduce the amount of waste generated in the first place. • A ban will mean they'll go over border to dispose of banned materials. • Need a system to track waste from producer, hauler, and receiver so we know it's left the region. • Should have certification of receiving facilities and regular audits, especially C&D facilities – need certification.
Rubric	• Comment on the rubric – people getting fined is impacting affordability. Haulers getting fined should not impact affordability.

	• Affordability should apply to low-income residents. It should not play in as a factor when deciding on strategies for businesses or high-income residents. Apply an equity lens.
Strategy 2.4 Action ID 107	• Clear bags should not be lumped with "technologies" – they are two separate things.
Strategy 2.4 Action ID107	• Instal tech to monitor customers, rather than clear bags at the disposal site. More important to monitor at source.
Strategy 2.4 Action ID106	• Beyond just providing incentives for collectors, the region should look into incentivizing innovators/entrepreneurs that provides solutions for materials so that they can then be banned. • Consideration is as EPR comes in, that creates risk for innovators. Is there a way for EPR to not quash innovation. If there is a thriving system in place already, EPR should not be able to come in and displace that successful system.
Strategy 2.4 Action ID105	• Need a pathway for waste from certain sectors to be banned from Metro Vancouver facilities to have a review process. • Need a clear audit and review process to revisit items that are currently unable to go to recycling and need to go to WTEF (e.g. hospital waste).

REUSE (Reuse, Refill, Repair)
Round 1 – Strategy 3.5
Number of Participants: 3

Fist of 5

Action ID	Total (fingers)	Action ID	Total
ID061	12	ID059	14
ID086	11	ID065	11
ID058	10	ID060	13
ID166	14		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 3.5 Action ID058	• Metro Vancouver can offer support, but lots of groups are already doing this work.
Strategy 3.5 Action ID059	• Challenge of increasing cost of rent for nonprofit organizations doing reuse work. • Increase focus on infrastructure to make reuse convenient and accessible (land, storage, software, facilities, etc.)
Strategy 3.5 Action ID060	• Funding for larger industry to pilot reuse and repair initiatives or collaborate with smaller community groups to ensure the funding has the biggest impact.
Strategy 3.5 Action ID061	• Develop a directory of organizations and businesses already working in the space for people to connect to (e.g. reporting mechanism).

Strategy 3.5 Action ID086	• Same issues as thrift stores.
General Discussion	• Top-down change is required. Currently too much bureaucracy so that there is no room for change. • Too risk adverse (Example of putting in a reuse collection bin at Kitsilano beach being shut down by strict policies). Need incentive to adopt new practices (resources, time, money).

REUSE (Reuse, Refill, Repair)
Round 2 – Strategy 3.3
Number of Participants: 3

Fist of 5

Action ID	Total Score	Action ID	Total Score
ID047	10	ID167	7
ID025	10	ID066	6
ID083	8		
ID164	8		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 3.3 Action ID047	• Also create a cleaning and washing infrastructure for reusable product processing throughout the region (not hubs).
Strategy 3.3 Action ID025	• Take back more than just clothing such as electronics, etc.
Strategy 3.3 Action ID083	• Increase awareness of these programs.
Strategy 3.3 Action ID164	• Understand barriers to resident participation in reuse, refill, and repair.
Strategy 3.3 Action ID167	• Identify opportunities in reuse and repair industry and skills required for repair. The knowledge exists but needs more focus.
New Action	• Pilot broad reuse initiatives in a small community (complete top to bottom change to reuse)

REUSE (BUILT ENVIRONMENT AND FOOD)
Round 1 – Strategy 3.2
Number of Participants: 2

Fist of 5

Action ID	Total Score	Action ID	Total Score	Action ID	Total Score
ID037	10	ID036	6	ID068	8.5
ID039	10	ID038	6	ID071	7

ID046	10	ID045	5	ID087	6
ID035	8	ID067	10		
		ID069	9		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 3.2 Action ID071/ID087 – Food recovery data	• Programs should be considered before data. • Measurement is challenging; best estimates can be more practical.
Strategy 3.2 Action ID035 – Reuse in C&D sector	• Consider just reuse in construction sector; demolition by definition doesn't include reuse.
Strategy 3.2 Action ID046 – Land use for reuse activities	• Support for this action; shouldn't have to drive out of region for reused building supplies.
Strategy 3.2 Action ID037/ID039/ID046	• Critically important for Metro Vancouver specifically to implement. • Addressing the time component is key for incentivizing deconstruction. Currently the biggest disincentive is the increased time it takes.
Strategy 3.2 Action ID045 – Incentive program	• The incentive is already built in to some extent. • Scaling deconstruction is important for contractors. • Time component more important than incentive component.
Strategy 3.2 Action ID038 – Online marketplace	• Lower support, there have already been a lot of tries and failures in this area.
Strategy 3.2 Increase reuse of building materials	• Are we missing a C&D data action under reuse? • San Francisco requires reporting on C&D leaving the region. • No regulation actions in the C&D strategy currently – need to look beyond just incentives. • Look to Nanaimo for a successful example of a wood ban
Strategy 3.6 Scale efforts to recover food	• Pay the people doing the work, rather than apps and software to inform the business. • Major food recovery organizations could get together and operate a "Hub and spoke model". • Relationships with non-profits are important. • Buildings and space are key to expanding the sector. • No regulations currently shown under this strategy; would be helpful.

REUSE (BUILT ENVIRONMENT AND FOOD)
Round 2 – Strategy 3.2
Number of Participants: 1

Fist of 5

Action ID	Total (fingers)	Action ID	Total (fingers)	Action ID	Total
ID045	5	ID035	5	ID036	1
		ID037	4	ID046	1
		ID038	1		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 3.2 Action ID038 – Online marketplace	• This already exists; Facebook marketplace. • Maple Ridge New and Used and other physical locations already exist.
Strategy 3.2 Action ID045/35 – Advocate/work collaboratively	• These actions are what Metro Vancouver should focus their effort on, but they need to be more direct. • Don't like the term "advocate", "foster", "encourage"; these don't speak to action. • Incentivize may be better to use rather than advocate. • Consider disincentives for not using reused material. • ID045 and ID035 could be combined. • Support for regulation, asking for more regulatory authority rather than advocating.
Strategy 32 Action ID037 – Foster second hand material markets	• This already exists, doesn't need resources. • Consider a free store model at recycling and waste centres – both drop off and pick up of reusable materials.
Strategy 3.2 Action ID046 – Land use	• Land is not an issue, action not supported. • Ensure the material gets to facilities rather than supply land for it.
Strategy 3.2 Action ID039 – Triaging facility	• Incentivize rather than 'encourage'. • Doesn't need to be in-region – consider elsewhere. • Should go through a MRF first.

RECYCLE (INFRASTRUCTURE AND PROGRAMS)
Round 1 – Strategy 4.2
Number of Participants: 3

Fist of 5

Action ID	Total Score	Action ID	Total Score
116	14	120	11
118	12	064	13
119	13	117	5
121	12		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 4.2 Action ID116	• Identify and advocate for additional materials to be added to Extended Producer Responsibility (EPR) programs. • Include mention of expansion of deposit return programs within EPR.

Strategy 4.2 Action ID064 Action ID119	• Replace “encourage” with “incentivize”. • Replace “encourage” with “incentivize” or “advocate”.
Strategy 4.2 Action ID117	• This action is redundant when considering the other actions in this category.
Missing action	• Advocate for curbside collection of EPR materials for 100% of Metro Vancouver residents.
Missing action	• Create/require accountability and transparency confirming chain of custody, end of life true recycling of materials, markets and recycled products from EPR materials collected.
Missing action	• Increase accountability for the first priority of EPR which is design changes to reduce waste and increase reusability in the products at source. • Incentivize upstream changes to focus on reusability or products and packaging.

RECYCLE (INFRASTRUCTURE AND PROGRAMS)
Round 2 – Strategy 4.3
Number of Participants: 3

Fist of 5

Action ID	Total Score
044	15
122	12
124	8
123	14

Discussion

Action ID and brief description	Comments / Feedback
Missing action	• Ensure all municipal solid waste is processed for the purpose of taking out recoverable materials. • Provide financial disincentives to not recycle (charge more for garbage to incentivize diversion).

RECYCLE (INFRASTRUCTURE AND PROGRAMS)
Round 3 – Strategy 4.1
Number of Participants: 3

Fist of 5

Action ID	Total Score	Action ID	Total Score
113	9	112	15
109	2		
111	15		
110	15		

Discussion

Action ID and brief description	Comments / Feedback
Strategy 4.1 Action ID112	• Need a stronger word e.g. pursue, collaborate, fund, prioritize – and for the purpose of creating a network/ecosystem. • Missing is working with subject matter experts, innovators, enabling startups. • Consider changing the wording from 'enhance' to "mandate".
Strategy 4.1 Action ID110	• Ensure performance specs are met – don't compromise performance to achieve the waste diversion and climate objectives. • Utilize learnings from elsewhere/successes to demonstrate it is possible.
Strategy 4.1 Action ID111	• This is a very important action that supports circular supply chains. • Creates market supply/demand. • By Metro Vancouver pursuing this (within own operations) they would then be seen as a role model/champion that others can learn from and point to when they are developing a business case for their own organization. • Builds a network for information sharing. • Acts as an entry point for others; creates and incentive for others
Strategy 4.1 Action ID113	• The action is focused on the wrong actor(s) – it should not be waste reduction organizations, should instead work with national and regional producers and manufacturers. • Alternative would be to "regulate" or "incentivize and regulate." • If this would be changed to reflect the first bullet, this action would be top scorer.
Strategy 4.1 Action ID109	• This effort takes away from reuse, which should be the focus. • Need to have more systems thinking. • Better value and use of resources if focussed on higher level actions (reduction and reuse). • Not circular economy focused.

RECYCLE (EDUCATION)
Round 1 – Strategy 4.5 and 4.6
Number of Participants: 1

Fist of 5: Did not complete with only one participant.

Discussion

Action ID and brief description	Comments / Feedback
In general – apply to the whole Recycle category	The whole **R** assumes that people care enough to recycle. • This only really works in circles where there is keenness for the change (e.g. PTAC and environmental groups).

	• How do we change actions based on people who don't really care? • There is a cultural and societal norm around caring for recycling how do we get them to care regardless of their value system? This is something that the actions should also include an aspect of more than just behavioural change.
Strategy 4.5	• Make it more clear which type of recyclable is being referred to for each item in each action (e.g. what types of recycling are you referring to make it easier and more effective? Which items currently have the most confusion for recycling that need to be focused on?) • How do we ensure whatever is left from reduce and reuse can be recycled? • Whatever those materials are – should be specified within the strategy before diving into the actions – makes it more clear on what the action is tackling to the audience reading and interpreting these actions
Strategy 4.5 Action ID134	• Would be great to have standardized system collection across the region to be able for residents to understand it.
Strategy 4.5 Action ID132	• Have some sort of penalization for the people who do not participate – have different penalization rules per each large recycler, so they know when they disobey the rules, what the repercussions are. • What do the rewards systems look like for those who do participate and are avid recyclers in the system? Maybe specify that a bit more in the action.
Strategy 4.5 Action ID 137	• Support for this action because it looks upstream rather than downstream – good action to have to intervene with those not good at recycling.
Strategy 4.5 Action ID146	• Educational resources just aren't enough for people to participate in this action – need to really make the system accessible that they will hold their event at (i.e. have mandatory recycling and compost bins at large event areas)– and make it clear where and what to recycle and where it goes
Strategy 4.5 Action ID150 and 154	• These actions seem similar enough - could put them together
Strategy 4.5 Action ID103	• This action is operating under the assumption that education changes the behaviour of residents – there isn't strong enough proof to support that currently with recycling data, maybe look to other ways of enforcement in multi-family residents.
Strategy 4.7	• With transparency of what happens to materials, there needs to be honesty. • Acknowledging that the products that are being made in the system aren't necessarily getting recycled because there's no end market for them currently (i.e. certain plastics and

	products)– that is part of the process, to collect those products in the solid waste system, so what does NOT get recycled because it cant be, should be part of the transparent data. • There should also be transparency of how the businesses are making money off of those recyclable products. • Recycling is value creation – how do we ensure to send the benefits back to the consumer and community? o Explaining EPR more throughout education of what happens to that money and why it is baked into the cost of the items would be a useful start with transparency and honesty. • Mandate bins that are decaled – whether MURB or single family – would decrease contamination a lot. • Consider the space given to garbage bins versus recycling - when recycling should be a priority for most households – yet the garbage collection bin is the one with the most space and always largest.
General comments of actions under RECYCLE – Education	• All actions are very important – they all seem incomplete on their own, but stronger together. There needs to be stronger language – e.g. changing "support" to "fund" – explain how Metro Vancouver supports by funding – rather than having them as high level. • Could outline the importance of each action – and link the dependencies in the system – how they link together well.

RECYCLE (EDUCATION)
Round 2 – Strategy 4.6
Number of Participants: 2

Fist of 5: Not done with two participants, only discussion on each action.

Discussion

Action ID and brief description	Comments / Feedback
Strategy 4.6 Action ID103	• Must include alignment with specific building needs and producers or products. • Include non-profit organizations as facilitators of education where possible (e.g. Binners).
Strategy 4.6 Action ID147	• Clarify what 'environmental advisors' are in the description of this action (RCBC Hotline) – could be interpreted differently. • Consider language and cultural barriers to regional participation for the information services being provided. • Spend the money on the services for translations – see if it would be helpful or not – then pivot if not.
Strategy 4.6 Action ID 149	• Some items on the agenda that needs to align with what is happening in the industry – relevancy is important.

	• Get the stratas etc. to have buy-in for the recycling guidelines that they need to follow an be held accountable.
Strategy 4.6 Action ID 154	• This action is harder to do effectively with use of AI. • The GHG emissions created from using AI is not worth it to support this action – not great benefits. • Create systems where organizations like Binners could help to sort – rather than spending money on AI to sort. • If going to use AI – make sure its not to in depth for the items because it will use more energy and power to create it.
Strategy 4.6 Action ID151 and 154	• Very low support to gamify recycling and reduction education – think of other ways.
Strategy 4.6 Action ID146	• Include education or resources for suppliers of party supplies including catering (e.g. Costco/grocery stores). • Have stickers on the plastic packaging that indicates very visibly that it is recyclable and should go in a certain colour bin.
Strategy 4.6 Action ID145	• Clarify whether this action refers to non-profit organizations facilitating the recycling training within the buildings or running the buildings sorting programs.
Strategy 4.6 Action ID144	• Remove reference to “ethnocultural” – could be misinterpreted as those communities are causing the issues or recycling and contamination – instead make reference to providing the resources in multiples languages.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

REGULAR MEETING

September 18, 2025
1:00 pm – 3:00 pm
In-person Meeting (1:00 pm – 3:00 pm)
Vancouver Landfill Tour prior to meeting

A G E N D A

ITEMS	TIME
1. WELCOME • **Independent Consultation and Engagement Panel Members** o Andrea Reimer o Celena Benndorf	1:00 – 1:10 pm
2. AGENDA	1:10 – 1:15 pm
3. MEETING NOTES **3.1 June 19, 2025** (Attachment 1)	1:15 – 1:20 pm
4. ACTION/STANDING ITEMS	
4.1 Action Tracker (Attachment 2)	1:20 – 1:25 pm
5. DISCUSSION ITEMS	
Solid Waste Management Plan Update:	
5.1 Draft Plan Outline *For information and comments* *Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services*	1:25 – 1:50 pm

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

5.2 Draft Plan Strategies and Rubric *For plenary discussion* *Designated speaker: Karen Storry, Senior Engineer, Solid Waste Services* **5.3 Residual Waste Management Options Review** *For plenary discussion* *Designated Speakers: Paul Henderson, General Manager, Solid Waste Services; Nathalie Marble, Team Lead, Senior Solid Waste Engineer, Stantec*	1:50 – 2:20 pm 2:20 – 2:50 pm
6. INFORMATION ITEMS	
6.1 Zero Waste Committee and Other Updates *For information* *Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*	2:50 – 2:55 pm
7. ADDITIONAL ITEMS	
7.1 Metro Vancouver Response to PTAC Member regarding Vancouver Landfill Greenhouse Gas Emissions (Attachment 3) **7.2 Communications between HSR Zero Waste and Metro Vancouver (July 23, August 21, and August 22, 2025)** (Attachment 4) **7.3 Public/Technical Advisory Committee Updated 2025 Work Plan** (Attachment 5) **7.4 Regional Waste Flows August 2025** (Attachment 6)	2:55 – 3:00 pm

Attachment 1: Draft Meeting Notes – June 19, 2025 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Metro Vancouver Response to PTAC Member regarding Vancouver Landfill Greenhouse Gas Emissions

Attachment 4: Communications between HSR Zero Waste and Metro Vancouver (July 23, August 21, and August 22, 2025)

Attachment 5: Public/Technical Advisory Committee Updated 2025 Work Plan

Attachment 6: Regional Waste Flows August 2025

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

September 18, 2025
In-Person Meeting
1:00 pm – 3:00 pm

MEETING NOTES

The Meeting Notes of the Public/Technical Advisory Committee (PTAC), held in person at the Atrium Hall of the Annacis Research and Events Centre, 1400 Lindsey Place, Delta, BC. The meeting commenced at 1:00 p.m. Pacific Time on Thursday, September 18, 2025.

Attendees: Director Sarah Kirby-Yung, Chair; Adelyn Chan, Allen Lynch, Amika Watari, Bill Chan, Christoph Schultz, Cody Irwin, Daryl Foster, Jennifer Henry, John Doherty, Komal Fatima, Marcelle Moreira dos Santos, Raman Johal, Sean Miles, Sue Maxwell, Tara Immell, William Selten

Absent: Ben Liegey, Brenda Martens, Cassidy vander Ross, Daniel Rotman, Doug Schell, Grant Hankins, Jake Turek, Jamie Kaminski, Jaye-Jaye Berggren, Kevin Huang, Matthew Morin, Michael Zarbl, Sarah Scanlan, Stephanie Voysey, Ulwiana Mehta-Malhorta

Metro Vancouver Staff: Brooke Atkinson, Chris Underwood, Karen Storry, Paul Henderson, Stephanie Liu, Terry Fulton, Allen Jensen, Faith Sabourault

Independent Consultation and Engagement Panel Members: Andrea Reimer, Celena Bendorrf, Komal Fatima (PTAC member & Panel member)

1.	**WELCOME** The Chair, Director Sarah Kirby-Yung welcomed PTAC members and introduced the following Independent Consultation and Engagement Panel Members: • Andrea Reimer • Celena Benndorf	Chair
2.	**AGENDA** • The Chair, Director Sarah Kirby-Yung presented and reviewed the September 18, 2025, meeting agenda. There were no additions made.	Chair

3.	**MEETING NOTES** • Reviewed June 19, 2025, previous meeting notes and there were no additions made.	Chair
4.	**ACTION/STANDING ITEMS**	Chair
	4.1 Action tracker The action tracker was reviewed, and updates were provided. Pending action items: • Provide a full list of plan update ideas from Idea Generation phase of engagement. o Staff will post the list immediately after the meeting today on the PTAC website. • Metro Vancouver to provide response to PTAC member inquiry regarding the Landfill Greenhouse Gas Emissions. o Staff response is provided at attachment 3 of the meeting agenda. • Potential to have an invited presenter (OCEANA) to a future PTAC meeting. o OCEANA may present to PTAC at the November 20, 2025 meeting (time-permitting). • Staff to bring back information on the United Boulevard Recycling and Waste Centre Reuse Days pilot. o Staff will bring this information to a future PTAC meeting this fall. Staff to bring back a more detailed regulatory strategy to the committee at a later meeting. This information will be provided at the November 20, 2025 PTAC meeting.	Brooke Atkinson
5.	**DISCUSSION ITEMS**	
	Solid Waste Management Plan Update: **5.1 Draft Plan Outline** *For information and comments*	Terry Fulton

Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, started the Solid Waste Management Plan Update and shared the *Draft Solid Waste Management Plan Outline* presentation and highlighted the project timeline update, plan components, plan outline, strategic approaches and review process.

Discussion summary:

- Member commented that several plan sections in the outline are not yet completed, making it difficult to provide full feedback.
    - Staff confirmed that this is a draft outline, which includes the work done to date on the plan update (vision and guiding principles, waster hierarchy, and goals). Staff are looking for input on if this draft outline includes all necessary components.
- Member made a suggestion to revise the waste hierarchy; not every level requires a goal. For example, Goal 5 (related to recovery) could be removed.
- Comment that the definition of zero waste is missing.
- Question whether the plan will specify actual destinations for residuals.
    - Staff confirmed it will instead include criteria for future decisions should new disposal capacity be required.
    - Strategies and actions related to Goal six would also be included in the draft plan.
- Suggestion the plan should include specific regulatory measures to allow the Province to consider them early rather than delaying.
- Reduce toxicity of materials should be included throughout.
- Landfill capacity: Suggestion to address this transparently in the plan.
    - Staff noted ongoing conversations about potential filling to physical capacity of the Vancouver Landfill.
- Guiding principles: Concern that connection between regulatory and guiding principles was unclear.
- Flexibility: Suggestion that the plan is not too narrow but should include options under consideration (e.g., landfill capacity, annual waste generation, etc.), rather than prescribing a single path.

5.2 Draft Plan Strategies and Rubric

	For plenary discussion Karen Story, Senior Project Engineer, Solid Waste Services, Metro Vancouver Discussion summary: • Criteria: Question whether criteria includes the total waste reduction ability. o Staff confirmed that ability to reduce waste is included as part of the hierarchy, level of circularity and potential to reduce waste. • Process: Questions about how all strategies and actions will be reviewed during the October 3 workshop. o Staff explained the following documents will be posted on the plan update website on September 18: ▪ Potential strategies and actions ▪ Feedback form on potential strategies and actions ▪ Full list of ideas received from idea generation engagement ▪ Options analysis rubric ▪ Draft summary of ideas staff consider unadvisable ▪ Draft summary of ideas staff will consider as part of other plan parts • These documents will be used at the October 3 feedback session on options analysis. Members are encouraged to review the documents in advance of the feedback session. • Staff highlighted that Metro Vancouver received over 2,000 ideas which have been consolidated to about 200 unique potential actions. In addition, there are 17 criteria, outlined in the documents. • The detailed rubric and analysis from Stantec has a series of criteria on a low, medium or high scale. These include general, economic, environment and social. For example, under the environment criteria, the greenhouse gas emissions, it talks about what are the sources of emissions.	Karen Storry
	Engagement Panel Introductions: The Chair invited the engagement panel members present at the meeting to introduce themselves. Andrea Reimer (Panel Chair) and Celena Benndorf provided an introduction. Komal Fatima is also a Panel member and PTAC	Andrea Reimer; Celena

	member, attending PTAC meetings as a PTAC member. Panel members will be observers at each PTAC meeting in the future.
	
	5.3 Residual Waste Management Options Review
	For plenary discussion
	Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver
	
	Discussion summary:
	
	• Member asked whether the study identifies best practices for disposal.
	• Member asked about current/future environmental footprint of disposal options.
	  o Staff confirmed that Metro Vancouver's Waste-to-Energy Facility meets regulatory requirements and Waste-to-Energy (WTE) is safe and cost-effective.
	• Member asked if the study compared landfill vs. waste-to-energy in a lifecycle analysis.
	  o Staff clarified the study purpose was not to determine which is better but to describe international practices and decision drivers.
	• Member expressed concern that without conclusions, the study may not guide the updated plan.
	• Question on how criteria will be weighted; concern it feels meaningless otherwise.
	  o Staff explained the study helps to understand what the experience has been like across the globe on options that have been implemented on a commercial scale, for waste disposal.
	• Member mentioned that there is a perception that the study was biased toward Waste-to-Energy (WTE); suggestion to analyze existing facility (especially with renewed Electricity Purchasing Agreement and potential taxpayer costs).
	• Feedback was provided that the plan should state not to continue with WTE, rather than just criteria for assessing potential disposal options.
	• Member posed a question whether more effort should go into source separation.
		Benndorf; Komal Fatima
		
		Paul Henderson

	○ Staff responded that Metro Vancouver's approach of maximizing source separation is accepted as the most successful approach to reducing waste. • Member noted that WTE creates the perception of "unlimited capacity," potentially leading to more plastic production. Landfill seen as more limited. • Member asked whether the plan defines "garbage." Concern that calling it "garbage" discourages recovery opportunities. ○ Staff clarified residuals are leftovers from residential, commercial, and institutional streams (not C&D), and that garbage is a colloquial term used to describe these generation sources. • Member posed concern about transporting waste to faraway landfills; need for a consistent evaluation framework. • Member noted a lack of review of mixed waste processing in the study, aside from Toronto example. Key benefit would be removal of organics that drive landfill GHGs.	
6.	**INFORMATION ITEMS**	
	6.1 Zero Waste Committee and Other Updates Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided information regarding the Zero Waste Committee September 11, 2025 meeting reports. • A discussion took place regarding the cost between the different disposal options – asking what was presented to the Zero Waste Committee ○ Staff advised that Zero Waste Committee members asked for more detail on the disposal cost comparisons and that information would be provided to the Zero Waste Committee at its October meeting.	Paul Henderson
7.	**ADDITIONAL ITEMS**	
	The upcoming meetings are: • **October 3** in-person meeting: Options analysis feedback session	Chair

	• **November 20** in-person meeting: Targets **Transparency and Meeting Minutes:** • Member raised concern about whether all critical questions and opinions are being documented in meeting minutes. Referring to the attached letter to staff from PTAC member. • Staff responses: o Comments from HSR Zero Waste and responses were attached to the agenda package (attachment 4). o Commitment to transparency: draft minutes are published in advance of meetings, Engagement Panel members invited to future PTAC meetings, online meetings are livestreamed/recorded and posted on the PTAC website. o PTAC meeting notes will include more details moving forward to ensure all questions and comments are captured.	
	ADJOURNMENT • Adjourned at 2:45 p.m.	Chair

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

In-Person Meeting

Thursday, April 2, 2026
10:30 am – 11:30 am
Metro Vancouver Head Office Room 2912
Appreciation Lunch 11:30 am – 1:00 pm
Metro Vancouver Head Office Room 2911

A G E N D A

ITEMS	TIME
1. WELCOME • **Independent Consultation and Engagement Panel Members** o Ryan Williams and Peter Fassbender	10:30 am – 10:32 am
2. AGENDA	10:32 am – 10:35 am
3. PREVIOUS MEETING NOTES **3.1 February 19, 2026** (Attachment 1)	10:35 am – 10:37 am
4. DISCUSSION ITEMS **Solid Waste Management Plan Update:** **4.1 Revised Draft Plan and Initial Draft Plan Feedback Summary** *For Information* *Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services* **4.2 Plan Implementation and Reporting** *For Information and Q&A* *Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services and Brooke Atkinson, Senior Engagement Specialist, Solid Waste Services*	10:37 am – 11:10 am

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

5. INFORMATION ITEMS **5.1 Zero Waste Committee and Other Updates** *For Information* *Paul Henderson, General Manager, Solid Waste Services*	11:10 am – 11:20 am
6. ACTION/STANDING ITEMS **6.1 Action Tracker** (Attachment 2)	11:20 am – 11:25 am
7. ADDITIONAL ITEMS **7.1 Public/Technical Advisory Committee Draft Work Plan 2026** (Attachment 3) **7.2 Collaborative Engagement Program Video** (Attachment 4) **7.3 Regional Waste Flows February 2026** (Attachment 5)	11:25 am – 11:30 am
8. NEXT STEPS	11:30 am

Attachment 1: Draft Meeting Notes – February 19, 2026 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Public/Technical Advisory Committee Draft Work Plan 2026

Attachment 4: Collaborative Engagement Program Video - https://metrovancouver.org/media-room/video/1132673783

Attachment 5: Regional Waste Flows February 2026

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

April 2, 2026
In-Person Meeting
10:30 am – 11:30 am
(Appreciation Lunch: 11:30 am – 1:00 pm)
Metro Vancouver Head Office: Room 2912

MEETING NOTES

The Meeting Notes of the Public/Technical Advisory Committee (PTAC), held in person at the Metro Vancouver – Head Office. The meeting commenced at 10:30 a.m. on Thursday, April 2, 2026.

Attendees: Director Hodge (Vice-Chair), Adelyn Chan, Allen Lynch, Amika Watari, Ben Liegey, Bill Chan, Brenda Martens, Gil Yaron, Jamie Kaminski, Marcelle Moreira dos Santos, Michael Zarbl, Raman Johal, Sarah Scanlan, Sean Miles, Sue Maxwell, Tara Immell, William Selten

Absent: Director Kirby-Yung (Chair), Christoph Schultz, Cassidy vander Ross, Cody Irwin, Daryl Foster, Daniel Rotman, Doug Schell, Grant Hankins, Jake Turek, Jaye-Jaye Berggren, Jennifer Henry, John Doherty, Kevin Huang, Komal Fatima, Louise Schwarz, Matthew Morin, Stephanie Voysey, Ulwiana Metha-Malhotra

Metro Vancouver Staff: Brooke Atkinson, Chris Allan, Chris Underwood, Karen Storry, Paul Henderson, Samantha Joy, Stephanie Liu, Terry Fulton

Independent Consultation and Engagement Panel Members: Ryan Williams, Peter Fassbender

1.	**WELCOME** The Vice-Chair, Director Hodge, welcomed PTAC members and introduced Independent Consultation and Engagement Panel members, Ryan Williams and Peter Fassbender. Engagement Panel members provided information on the engagement panel's role, including seeking new and innovative paths for consultation for Metro Vancouver that include voices not typically heard and increase the level of understanding about the solid waste management plan.	Vice-Chair
2.	**AGENDA** • The Vice-Chair, Director Hodge, reviewed the April 2, 2026 Agenda.	Vice-Chair
3.	**PREVIOUS MEETING NOTES** • Reviewed the February 19, 2026 meeting notes and there were no additions raised; notes were accepted as provided. Members also submitted one-pager feedback and the submissions are posted online: PTAC member Feedback Summary and one-pager submissions	Vice-Chair

4.	**DISCUSSION ITEMS**	Vice-Chair

	Solid Waste Management Plan Update:
	4.1 Revised Draft Plan and Initial Draft Plan Feedback Summary
	Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, presented the revised draft plan and initial draft plan feedback summary.
	
	Member discussion:
	• Requested clarification on the focus area to "expand efforts to prevent disposal of food waste". Comment that the "disposal" terminology may imply focus on recycling or recovery to prevent disposal, and not enough on waste prevention. Similar comment for other focus areas such as "expand efforts to prevent disposal of valuable building materials".
	  • Staff confirmed that the focus areas emphasize priority areas of action and consider all actions at all levels of the waste hierarchy.
	• Question of clarity for how the focus areas relate to the plan actions, strategies, vision, and guiding principles
	  • Staff confirmed that the focus areas were identified by determining common themes within the actions that are expected to have the biggest impact when implementing the plan
	• Question of where the accountability for Metro Vancouver falls within the plan actions.
	  • Staff clarified that the solid waste management plan requires approval by the Minister of Environment and Parks and then becomes a legally binding document that will guide the region's actions over the next decade and beyond.
	• Question of what actions under RETHINK are being prioritized if there is not an allotted budget for them?
	  • Staff confirmed that the waste hierarchy is an important consideration when determining the order in which actions are implemented.
	• Comments on the draft plan:
	  • The plan should include more focus on reducing GHG's
	  • Comment that the edit made to the hierarchy (removing the material component of "Recovery") did not address previous comments from some members of the committee that Goal 5: Recovery of material for the purpose of replacing fossil fuels is not supported
	  • Only one mention of the term "zero waste" in the plan, and the plan does not adopt the Zero Waste International definition of zero waste.
	  • There should be more about collaboration with interested parties in the plan, especially if RETHINK is a priority
	  • No addition of phasing out the incinerator in the plan as requested, and no detailed Waste-to-Energy Facility capital costs outlined in the plan
	  • Plan should include a 5-year target, along with the 10-year targets
	  • Suggested plan improvements:
		Terry Fulton

	○ Illegal dumping is in recycling but should be in DISPOSE
	○ EPR is in reuse when should be in RECYCLE
	○ Both of these make it look like we're focusing higher on the hierarchy than we are.
	
	4.2 Plan Implementation and Reporting
	Terry Fulton, Senior Project Engineer, Solid Waste Services presented on the plan implementation and reporting.
	
	Member discussion:
	• Question of how it is decided on what goes into the annual report? Do we report when targets are not met? Recommendation to have a plan monitoring committee formed in advance of the next annual report.
	  • Staff confirmed that annual reports are provided to the Zero Waste Committee and outline both areas of success and areas where targets are not met, including actions that can be taken to advance toward targets.
	• Comment on the importance of publishing annual statistics or information in a visually appealing manner, to increase transparency for the public.
	• It was suggested that a publicly available dashboard with a few key performance indicators be used.
	  • Staff are in the process of developing a dashboard for waste composition studies and will see if it can be expanded.
	• Question if there is a record of staff effort / time invested in updating the solid waste management plan?
	  • Metrics are available on engagement participation, and the number of updates to committees including the Zero Waste Committee, but staff time has not been tracked.
	• Question if there will be a formal annual report for 2024. The committee received information on 2024 statistics but no report.
	  • Staff confirmed the biennial report is still in progress and will include the 2024 statistics that have been shared.
	• Question about when the implementation schedule will be available.
	  • The revised plan includes a high-level implementation schedule for focus areas. We intend to take a flexible approach, working with the plan monitoring advisory committee and adapting to priority areas over time.
	• Question if there are any associated dates for each of the actions?
	  • Staff confirmed that there are some dates in the implementation schedule at a high level, which is newly added to the revised version of the draft.	

	5. INFORMATION ITEMS **5.1 Zero Waste Committee** Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided an update on the February Zero Waste Committee meeting.	Paul Henderson

	6. ACTION/STANDING ITEMS **6.1 Action Tracker** **6.2 Public/Technical Advisory Committee Updated 2026 Work Plan** **6.3 Regional Waste Flows February 2026**	Brooke Atkinson
	7. ADDITIONAL ITEMS **7.1 Public/Technical Advisory Committee Draft 2026 Work Plan** **7.2 Collaborative Engagement Program Video** **7.3 Regional Waste Flows February 2026**	Brooke Atkinson
	8. NEXT STEPS The Vice Chair thanked the members for their participation and contributions to PTAC over the last four years and 22 meetings. The committee was very dedicated and provided valuable advice and ideas to staff for the plan update.	Vice-Chair

Attachment 1: Draft Meeting Notes – February 19, 2026 – Solid Waste Management Plan Public/Technical Advisory Committee
Attachment 2: Action Tracker
Attachment 3: Public/Technical Advisory Committee Draft Work Plan 2026
Attachment 4: Collaborative Engagement Program Video - https://metrovancouver.org/media-room/video/1132673783
Attachment 5: Regional Waste Flows February 2026

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

February 19, 2026
In-Person Meeting
1:00 pm – 4:00 pm

MEETING NOTES

The Meeting Notes of the Public/Technical Advisory Committee (PTAC), held in person at the Metro Vancouver – Head Office. The meeting commenced at 1:00 p.m. Pacific Time on Thursday, February 19, 2026.

Attendees: Director Kirby-Yung (Chair), Director Hodge (Vice-Chair), Allen Lynch, Amika Watari, Ben Liegey, Brenda Martens, Christoph Schultz, Gil Yaron, Jamie Kaminski, Jennifer Henry, Komal Fatima, Louise Schwarz, Marcelle Moreira dos Santos, Raman Johal, Sarah Scanlan, Sean Miles, Sue Maxwell, Tara Immell, William Selten

Absent: Adelyn Chan, Bill Chan, Cassidy vander Ross, Cody Irwin, Daryl Foster, Daniel Rotman, Daryl Foster, Doug Schell, Grant Hankins, Jake Turek, Jaye-Jaye Berggren, John Doherty, Kevin Huang, Matthew Morin, Micheal Zarbl, Stephanie Voysey, Ulwiana Metha-Malhotra

Metro Vancouver Staff: Brooke Atkinson, Chris Allan, Chris Underwood, Karen Storry, Paul Henderson, Stephanie Liu, Terry Fulton, Joanne Gauci, Faith Sabourault, Alec Wu, Kelly Du

Independent Consultation and Engagement Panel Members: Celena Benndorf, Ryan Williams

1.	**WELCOME** The Vice-Chair, Director Hodge, welcomed PTAC members and introduced Independent Consultation and Engagement Panel member, Celena Benndorf and Ryan Williams. Staff welcomed members and noted that the session format was informed by feedback from the previous meeting and follow-up emails.	Vice-Chair
2.	**AGENDA** • The Vice-Chair, Director Hodge, presented and reviewed the February 19, 2026 meeting agenda.	Vice-Chair
3.	**PREVIOUS MEETING NOTES** • Reviewed January 29, 2026 meeting notes and there were no additions raised; notes were accepted as provided.	Vice-Chair

4.	**DISCUSSION ITEMS**	Vice-Chair
	Each PTAC member spoke for up to 2 minutes to describe their main feedback on the initial draft solid waste management plan. Themes from the round-robin are summarized in Attachment 1, and the one-pager feedback that PTAC members submitted is Attachment 2. Some feedback from the round-robin included detailed feedback, and is included in Attachment 1: • Phase out the Burnaby Waste-to-Energy facility, with an aligned disposal strategy and transparent capital cost implications. • Set specific, time-bound, sector-specific targets (incl. per-capita waste and food-waste targets) with secondary metrics and benchmarks. • Provide transparent budgets, clear implementation timelines, and adaptive management check-ins. • Keep the plan progressive, with measurable actions, clear governance alignment, and solution pathways. **Solid Waste Management Plan Update:** **4.1 Feedback Session on Initial Draft Plan** Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, presented the initial draft plan's vision, consisting of 6 goals, 30 strategies and 117 actions. Staff thanked members for ongoing contributions to the Solid Waste Management Plan process and outlined the session structure: • Two rounds of small-group table discussions with rotating participation • Note-taking support at each table • Prompting questions to identify what is working, what is missing, and what should be strengthened • Opportunity for plenary report-back Staff advised that a revised draft plan is being prepared for Zero Waste Committee consideration. Staff also advised that the revised package is expected to include: • A blackline version showing changes from the January 22 initial draft • A summary of key changes • Documentation of engagement inputs received during this phase (including PTAC submissions and meeting feedback) ▪ A member asked whether the "waste reduction" target refers only to materials sent for disposal or the broader discard system. Staff clarification: The reduction target applies to discards across the system (recycled and disposed), not disposal alone. Members participated in breakout discussions across table topics (targets/metrics,	PTAC Members

	residual management strategy, regulatory strategy, and an overflow table). **Small groups topics were:** ▪ Targets and Metrics ▪ Residual Management Strategy ▪ Regulatory Strategy ▪ Overflow (Financial overview, definitions, plan monitoring, recycling and waste centre strategy, disposal actions) **The following questions were discussed in the breakout groups:** • What is the most important issue in this topic area? • What is working well in the draft plan? • What is missing? • What needs to be strengthened? A summary of the feedback from the small group discussions is provided in Attachment 1. Some feedback heard in the small group discussions included: • Need for stronger, clearer regulations on what can be recycled, how materials must be handled, and increasing disposal ban inspections to reduce contamination levels. • Establish a budget and implementation schedule for each action, along with an assessment of projected impacts, to support transparent prioritization and resource allocation. • Acknowledge that the upper tiers of the hierarchy are transformative and less easily quantified, while committing budget and effort toward improving measurement to ensure meaningful action can still be tracked and evaluated. • Develop more detailed, sector-specific metrics, particularly for the commercial and institutional sectors, to better reflect differences in waste generation and diversion potential. • Need stronger support for circular economy entrepreneurs. Missed opportunity to be more ambitious and invest in land for circular economy facilities and innovation.	
	5. INFORMATION ITEMS **5.1 Zero Waste Committee** Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided an update on the February Zero Waste Committee meeting.	Paul Henderson
	6. ACTION/STANDING ITEMS **6.1 Action Tracker** **6.2 Public/Technical Advisory Committee Updated 2026 Work Plan** **6.3 Regional Waste Flows January 2026**	Brooke Atkinson
	7. NEXT STEPS Staff reminded members that written feedback (including one-pagers) is requested by end of day Friday, February 20, 2026, to allow consolidation of comments into the revised draft and supporting materials. Staff provided information regarding posting and sharing member submissions:	Brooke Atkinson

	• Notes from the session will be posted online. • PTAC member one-pagers will be compiled into a single PDF and posted to the PTAC website. • Members will receive an email with the link. • Members may also submit feedback through the plan website's online discussion board. Staff advised members of the PTAC the following meeting schedule changes: • The March 20, 2026 PTAC meeting will likely be cancelled. • A final PTAC meeting will be scheduled for April 2, 2026 (in-person, not hybrid) with Zero Waste Committee members invited.	
	8. ADJOURNMENT The Vice Chair thanked the members and for their participation and contributions. The meeting adjourned with an invitation to reconvene on April 2, 2026.	Vice-Chair

Attachment 1: Plenary Round-Robin and Small Group Discussion Summary – Solid Waste Management Plan Update Initial Draft – PTAC February 19, 2026

Attachment 2: PTAC Member one-pagers – Feedback on Initial Draft Plan

Solid Waste Management Plan Update: Initial Draft
Solid Waste Management Plan Public/Technical Advisory Committee Feedback Session

Thursday, February 19, 2026
Metro Vancouver – 4515 Central Boulevard, Burnaby
29 Floor, Room 2912

Metro Vancouver is updating its regional solid waste management plan, building on the strengths of the current plan and identifying ways to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and advance a circular economy. Metro Vancouver is currently receiving feedback on the initial draft solid waste management plan.

On February 19, 2026, Metro Vancouver held a feedback session on the initial draft plan at a Solid Waste Management Plan Public/Technical Advisory Committee meeting. The session included two components – a round-robin opportunity for each member to provide a few words summarizing their main feedback on the initial draft plan, followed by small-group discussions.

Prior to the meeting, Metro Vancouver polled members to identify priority parts of the plan for small group discussion. Final small group topics were:

- Residuals Strategy
- Regulatory Strategy
- Targets and Metrics
- Overflow (Financial Overview, Definitions, Plan Monitoring, Recycling and Waste Centre Strategy, Disposal Actions)



SUMMARY OF FEEDBACK

Below are highlights from feedback at the session, categorized by the small group topics. Feedback will be considered as the draft is revised in preparation for providing to the Zero Waste Committee and GVS&DD Board. Following Board consideration, there will be an additional opportunity for comment prior to submission of the draft to the Ministry of Environment and Parks for approval.

THEMES FROM ROUND-ROBIN **(each member provided up to 2 minutes summary of their main feedback on the initial draft plan)**
• **Definitions & Scope:** Lock in precise definitions (recycling, diversion, recovery, circularity, "waste" as a verb rather than a noun), explicitly anchoring to Zero Waste hierarchy (incl. "rethink") and circular economy. • **Stronger, Mandatory Regulation:** Move beyond pilots/soft language and tighten disposal bans, require region-wide source separation, and expand inspection/enforcement (incl. private sector/construction and demolition). • **Residuals Strategy & Waste-to-Energy:** Phase out the Burnaby Waste-to-Energy facility, with an aligned disposal strategy and transparent capital cost implications. • **Targets & Metrics:** Set specific, time-bound, sector-specific targets (incl. per-capita waste and food-waste targets) with secondary metrics and benchmarks. • **Monitoring & Enforcement**: Expand progress reporting (esp. food waste), do region-wide spot checks on residential curbside (e.g., clear bags), and apply consistent penalties. • **Reuse/Repair/Circular Infrastructure:** Scale deconstruction, reuse, repair cafés/reuse days, house relocation; enable reuse at depots; fund non-profits and innovators. • **Budget, Resourcing & Timelines:** Provide transparent budgets, clear implementation timelines, and adaptive management check-ins. • **Equity & Access:** Ensure services work for residents without cars, (i.e. provide limited bulky-item pick up for supported housing) to reduce service inequities. • **Education & Consistency:** Unified regional messaging, simpler public materials; consistency across municipalities (e.g., multi-family housing recycling rooms). • **Regional Roles & Collaboration:** Greater clarity on Metro Vancouver's support to municipalities (Plan section 4.2 & 4.4), extended producer responsibility roles/classifications, and retail/institutional/commercial partnerships. • **Climate & Health:** Tie actions to consumption-based emissions and human health outcomes; make environmental outcomes explicit. • **Plan Ambition & Governance:** Keep the plan progressive, with measurable actions, clear governance alignment, and solution pathways.

REGULATORY STRATEGY

What needs to be strengthened?

- **Need for Stronger, Clearer Regulations**
  - Need specific, concise regulations to reduce waste and improve clarity.
  - Clear guidelines on what can be recycled, how materials must be handled, and increasing disposal ban inspections to reduce contamination levels.
- **Enhanced Enforcement & Disposal Bans**
  - Strengthen implementation and enforcement of disposal bans (including at Waste-to-Energy facility).
  - Make enforcement consistent across all facilities and municipalities.
- **Financial Accountability & Incentives**
  - Use fines, load rejections, and tipping fee adjustments to create meaningful consequences.
  - Fines should motivate both haulers and site management to change behavior.
  - Increasing tipping fees may further incentivize proper waste separation.
- **Pay-as-you-throw & Clear Bags**
  - "Pay-as-you-throw" models used in Europe or mandatory clear bags could increase accountability but risk illegal dumping if residents don't want to participate.
  - Clear bags as a potential tool for simplifying inspection and preventing cheating.
- **Hauler Responsibility**
  - Haulers must take responsibility for contaminated loads and educate customers.
  - Clear mechanisms are needed so haulers cannot avoid responsibility or push back.
  - If contamination persists, haulers should face increased costs or lose customers due to higher service fees.
- **Source Separation as Core Strategy**
  - Mandatory source separation across all streams (organics, recycling, garbage).
  - Keep the system simple, enforceable, and uniform across municipalities.

What is missing?

- **Targeted Campaigns & Behaviour Change**
  - Consider phased campaigns focusing on one priority material at a time (e.g., organics).
  - Regulations and communication campaigns must work together.
  - Long-term education is required for residents to understand and adopt waste reduction habits.
- **Metro Vancouver's Role**
  - Metro should maximize its enforcement powers at regional facilities.
  - Could also track sector performance, redirect budgets strategically, and hold municipal members accountable.
- **Strengthening Construction & Demolition Oversight**
  - Learn from places like San Francisco: license haulers and receivers more thoroughly, audit them, and track recycling performance.
  - Increase transparency around actual construction & demolition waste volumes and practices.
  - Current construction & demolition targets and reporting lack accuracy and clarity.
- **Clear, Accessible Regulations**
  - Residents and businesses face confusion about what can be recycled.
  - Regulations should specify recyclable materials clearly, with stronger supportive language.

- Need simpler, more accessible information resources, currently there are too many existing and it causes confusion for residents.

- **Linking Policies Across Sectors**
  - Connect food policy, climate policy, and waste policy for mutual benefit.
  - Clarify roles for municipal, regional, and provincial governments.
- **Clarifying Metro Vancouver's Regulatory Authority**
  - Include a clear list of what Metro *can* and *cannot* regulate.
  - Identify where provincial or federal leadership is necessary (e.g., food waste reduction incentives).
- **Data Transparency & Public Reporting**
  - Strengthen open-data reporting to track progress on goals, budgets, and performance.
  - Provide easy-to-understand visual summaries of waste data available online.
  - Use accessible language to build trust and communicate results effectively to the public and to businesses.

What is working well in the draft?

- **Events & Waste Reduction**
  - Advocate for mandatory source separation at events.
  - Currently Metro Vancouver does provide toolkits, budget planning guides, and checklists to support organizers, these could be strengthened.
  - Metro Vancouver can establish/coordinate best practices even if it cannot legislate event-specific bylaws.
- **Effective Use of Regulation to Drive Diversion**
  - Organics disposal ban demonstrates regulation's ability to dramatically improve diversion.
  - Industry resistance is common, so incentives and penalties must be balanced.
  - Encourage compliance through business licensing tied to recycling/diversion plans.

TARGETS AND METRICS

What is the most important issue in this topic area?

- **Need for Clear, Specific, and Measurable Targets**
  - Set defined, sector-specific, and/or explore material-specific targets.
  - Differentiate impact across initiatives/events and across commercial/ICI sub-sectors.
- **Alignment Between Goals, Metrics, and Measurement**
  - Targets only work if they are paired with coherent metrics and consistent measurement frameworks.
- **Precision in Language and Intent**
  - Terms like "climate neutral" may be misunderstood and should be refined for accuracy and clarity.
- **Ambition and Resourcing**
  - Goals should be more ambitious, and the budget should reflect the scale of desired impact.

What is working well in the draft?

- Establishing a coordinated policy framework by collaborating closely with municipalities.
- Strengthening the waste-reduction hierarchy through the inclusion of a new "rethink" tier.

What is missing?

- Develop more detailed, sector-specific metrics, particularly for the commercial and institutional sectors, to better reflect differences in waste generation and diversion potential.
- Define clear metrics for each tier of the waste-reduction hierarchy, ensuring consistent measurement from "rethink" to disposal.
- Establish a budget and implementation schedule for each action, along with an assessment of projected impacts, to support transparent prioritization and resource allocation.
- Expand the regenerative design approach demonstrated in construction and explore how similar principles could be applied across other waste streams.
- Provide specific actions and pathways toward climate neutrality, including methodologies and assumptions.
    - Demonstrate the climate benefits of reduced waste generation by quantifying associated decreases in carbon emissions.
- Enhance reporting practices by presenting progress-to-date against targets, with a clear mechanism to adjust or pivot when performance is below expectations.
- Allocate dedicated land and infrastructure to support repair, reuse, reduction activities, and material recovery—particularly for high-value materials such as wood.
- Acknowledge that the upper tiers of the hierarchy are transformative and less easily quantified, while committing budget and effort toward improving measurement to ensure meaningful action can still be tracked and evaluated.

What needs to be strengthened?

- Assess the economic value of items repaired at repair events, rather than focusing solely on the number of items repaired, to better illustrate the financial and environmental benefits of repair.
- Strengthen and expand reuse initiatives, ensuring they play a more prominent role in the waste-reduction hierarchy.
- Shift terminology from "pilot" or "testing" to "policy" and "regulation" to signal commitment, maturity of approach, and long-term implementation.
- Revisit the construction recycling rate, noting that including concrete inflates the overall recycling percentage and may not accurately represent true material recovery performance.
- Increase transparency around recycling processes by clearly distinguishing between materials that are collected and those that are actually recycled, processed, or reused.

Questions asked:

- How did the metrics and targets get derived, did they incorporate increased reduction habits or is it solely based on reduction of just waste (waste composition)?
    - Metro Vancouver Response: The metrics and targets were derived using a combined analysis of annual report data as well as waste composition.

- Are we counting repair metrics?
    - Metro Vancouver Response: We track number of items repaired at cafes but noticed that requesting data deters municipalities from hosting repair cafes.
- What is the source of the climate-neutral actions, and can the associated calculations be shared?
    - Metro Vancouver Response: This is in the Solid Waste Primer, under Metro Vancouver's Climate 2050 strategy.
- To what extent do the proposed waste-reduction targets contribute to achieving climate neutrality by 2050?
    - Metro Vancouver Response: Detailed modeling and emissions-reduction calculations are in progress to verify the degree of alignment with the 2050 climate-neutral objective.

RESIDUALS STRATEGY

What is the most important issue in this topic area?

- Haven't done a deep dive mapping of what to do with waste.
- Many targets are to 2050. What seems missing is a deep dive on capacity, assets needed, costs to manage waste in that timeframe.
- Plan should also account for disaster debris planning.
- Health authority waste is disposed to the Waste-to-Energy (WTE) facility instead of to landfill. This requires contingency planning when WTE is down. Metro Vancouver should explore options.
- Social criteria of the draft Technical Criteria for Evaluation Residual Waste Management Options should consider benefits of appropriate disposal of healthcare waste and address public perception and impact on public health.
- The strategies under Goal 6 should consider treatment of niche waste streams
- Europe considers WTE as a pretreatment to landfill. Look at other pretreatment options instead.
- Look at specific issues such as organics creating methane in landfill, and what is created when waste is burned.
- Why is the plan considering additional disposal capacity? Previously MV had said that increasing WTE capacity would not be considered.
    - Technical criteria for evaluating residual management options is included in the plan if additional capacity is required during the life of the plan.

What is working well in the draft?

- Material recycled is quite significant
- Vancouver Landfill is managed well (testing, etc.)
- Shows ongoing commitments based on what MV is already doing

What needs to be strengthened?

- **Financial and Economic Considerations**
    - Shift spending from disposal toward zero-waste investments; highlight the opportunity cost of disposal-focused spending.

  - Strengthen analysis of capital, operating, and full lifecycle costs.
  - Re-evaluate contingency disposal pricing, consider alternative RFP approaches for better value.
  - Question keeping waste in Metro Vancouver at all costs, suggest closing WTE, paying more for contingency disposal, and reinvesting savings into waste reduction.
- **Regulatory, Testing, and Compliance**
  - Implement stronger regulatory standards, following leading jurisdictions.
  - Add a robust testing program near WTE facilities (river sediment, soil, residential impacts).
  - Expand pollutant monitoring requirements and clarify what must be measured.
  - Advocate for provincial hauler licensing and standardized data reporting.
  - Improve enforcement of disposal bans, supported by better load inspection tools (e.g., clear bags).
- **System Design, Facility Operations, and Waste Handling**
  - Clarify what resources remain in waste streams and why.
  - Separate landfill and WTE in Strategy 6, because their impacts differ significantly (e.g., plastics behave differently in each).
  - Consider burnable vs. non-burnable separation like Japan.
  - Add industry expert consultation to residuals management strategy.
  - Provide more reuse opportunities at Recycling & Waste Centres (e.g., reuse days, bike reuse).
  - Add ability to capture reusable materials during disposal processes (Table 6).
- **Contingency Disposal + Definitions**
  - Describe contingency disposal facilities, locations, and costs more clearly.
  - Add “contingency disposal” to the glossary and distinguish it from “remote landfills.”
- **Public Education, Behaviour Change, and Inspection**
  - Increase education around biomedical vs. standard hospital waste; most hospital waste should go to landfill with proper inspection.
  - Add wildlife-attractant management (e.g., bear-related issues in Coquitlam).
  - Include aggressive reduction targets, enforcement mechanisms, and measures to address potential illegal dumping.
  - Add actions to incentivize behavior change, currently incentives for residents are weak; consider reviewing residential bin fee structures.
  - Promote reuse in addition to recycling, aligning with the waste hierarchy.
  - Improve public understanding of metrics, scale, baseline, and relevance matter.
- **Policy Advocacy**
  - Advocate for extended producer responsibility for tires on rims.
  - Metro Vancouver should lead in waste labeling and reducing misclassification.
- **Communication and Program Strategy**
  - Reconsider tours and communications that overly promote WTE without discussing negative impacts; shift emphasis toward zero-waste education.
  - Recognize that reuse is currently under-emphasized in referenced strategies and needs stronger integration.

Additional Feedback

- What are we doing about reducing soil disposal?
  - Metro Vancouver Response: There is specific action to minimize soil taking up space at the Vancouver Landfill.

- What is the risk and cost incurred if targets are missed?
    - Metro Vancouver Response: Cost differential can be applied to methods to decrease waste.
- The value of landfill space preserved for as long as possible should be considered FVRD did triple bottom line analysis of landfill space.
- What are the beneficial use opportunities for bottom ash?
    - Metro Vancouver Response: Cement plant opportunity to substitute for raw materials. 90% of bottom ash could be used.
- Against beneficial use of bottom ash. Look at best practices to minimize potential toxins from bottom ash.

OVERFLOW
(Financial Overview, Definitions, Plan Monitoring, Recycling and Waste Centre Strategy, Disposal Actions)

What is working well in the draft?

- Appreciate seeing that there will be a plan monitoring committee – next iteration of this group to keep the plan in motion.
- Appreciate Strategy 4.6 and section on tailored recycling information.
- Recycling and Waste Centre Strategy – good to see drive time / consistent services across locations identified.

What is missing?

- Could plan monitoring include focus on adaptive management?
- Could we include public consultation at the plan monitoring phase?

What needs to be strengthened?

- Need better strategy around multi-family. Can we consider regulatory or financial mechanisms to get strata companies supporting diversion better?
- Need more space allocated for sharing/repairing/reuse as well as diversion in multi-family.
- Appreciate there is strategy for extended producer responsibility (EPR) but maybe consider stronger language for consistent EPR. E.g., try to expand on actions 3.2.4. and 3.2.6.
- Need stronger support for circular economy entrepreneurs. Missed opportunity to be more ambitious and invest in land for circular economy facilities and innovation.
- Budget cycle is an issue. How can we fund those working in this space, like through accelerators?
- Would help to have more details on the funding/budget. Have a high-level overview and then budget table but no description of different sections in the budget.
- Need something stronger around contamination/source separation.

Other feedback:

- We need the ability to hear feedback and see updates after one-pagers submitted.

Questions asked:

- Can we put collection facilities at transportation stations, like Skytrain?

    - Metro Vancouver Response: This would require dealing with another entity and having bins where there are large amounts of people, which may not be practical and may pose a security risk.
- What is the engagement budget covering in future years when not in plan development phase?
    - Metro Vancouver Response: It would cover engagement related to plan implementation.
- Can you provide overview of the finances?
    - Metro Vancouver Response: The Board receives a five-year forecast but only approves budgets on a year-to-year basis as we can't fetter future Boards. Can't run deficit budgets.
- Is the economic system at risk?
    - Metro Vancouver Response: Our model is slightly different from other municipalities. Metro Vancouver has a Tipping Fee Bylaw which contains a Generator Levy provision that provides funding to the core parts of the regional system for waste that is taken outside of the Metro Vancouver system for disposal.
- Can the private sector purchase their own landfill?
    - Metro Vancouver Response: Land availability and costs in region are likely prohibitive. Accessibility issues to access landfills outside of the region (road access/border issue).
- Has there been a procurement of land for a new landfill?
    - Metro Vancouver Response: No.
- Does Metro Vancouver have pop-up recycling events?
    - We work with member jurisdictions on this – e.g., we worked with Surrey to have drop off for Surrey residents. Increases awareness in community and numbers ramp up as a result after the events.

Public/Technical Advisory Committee Feedback on Initial Draft Solid Waste Management Plan

Submitted in preparation for the February 19, 2026 Public/Technical Advisory Committee meeting

Name	**Organization**
Allen Lynch	Urban Repurpose
Amika Watari	Mountain Equipment Company
Ben Liegey	Better Table
Bill Chan	
Brenda Martens	BCIT
Christoph Schultz	Recycling Council of British Columbia
Doug Schell	EcoFirst Consulting
Gil Yaron	Light House
Jamie Kaminski	HSR Zero Waste
Jennifer Henry	BC Housing
Louise Schwarz	Recycling Alternative
Marcelle Moreira dos Santos	Dreamstill
Sarah Scanlan	Vancouver Coastal Health
Sue Maxwell	Zero Waste BC
William Selten	

Zeenia Mizan

From: Allen Lynch [redacted]
Sent: Februa 18, 2026 4:21 PM
To: [redacted]
Subject: Re: Thoughts on February 19th meeting

Follow Up Flag: Follow up
Flag Status: Flagged

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

My comments on the draft plan are brief and are only related to the Recycling and Waste Centre Strategic Approach. I am writing from the perspective of Urban Repurpose (UR) which has been conducting a pilot project on Reuse Days at the North Shore Recycling and Waste Centre. In addition **UR** is finalizing a North Shore Reuse Assessment and Strategy Development to identify potential partnerships, assess demand for used goods, identify associated costs and potential revenues, and determine the logistical requirements for an expanded Reuse Days program at the North Shore Recycling and Waste Centre.

Far too many residents and businesses dispose of used goods, furniture and furnishings at the Waste Centre. Unfortunately UR does not have the staff or warehouse space to increase the number of Reuse Days so valuable goods end up on the Waste Centre tipping floor.

Strategy 3.5 of the draft Solid Waste Management Plan describes the need to "Increase access to and foster the broad adoption of reuse, refill and repair". This sectiongoes on to state that Metro Vancouver will work to expand these opportunities and make it easier for residents to access reliable reuse, refill and repair options. The intent is to scale up reuse-drop-off at Metro Vancouver recycling and waste centres and to work collectively with organizations to develop a where to reuse, refill, repair data set that can be displayed in universally accepted maps.

Much more needs to be done to make residents aware that the options are available. Strategy 3.4.1 calls for Metro to advocate for funding for the expansion and a development of reuse and repair infrastructure including a community reuse options database. This is a good step but directing residents and businesses to a non-profit such as Urban Repurpose is problematic as **UR** does not have a facility large enough to store the quantity of goods that could be dropped off at the Waste Centre or their own facility.

The plan goes on to talk about the need to research and trial additional ways to scale reuse and repair including supporting community-based waste reduction and reuse programs for non-profit organizations, among others. The plan says that Metro Vancouver and member jurisdictions will collaborate to facilitate opportunities

to increase the number and frequency of repair and reuse events. As noted above, organizations receiving the goods need appropriate storage space.

February 19, 2026
Amika Watari

To Metro Vancouver Solid Waste Management Team,

Thank you for the opportunity to provide feedback to this initial draft plan. Please find my comments below.

Budget for foreseeable costs of scaling zero waste initiatives:

- Allocate appropriate funding for the development of toolkits and policies to move beyond voluntary waste reduction programs that currently exist
- Ex. Event waste management toolkits/guidelines exist but requires advocacy and enforcement to ensure consistency across the region
- Ex. Pilot repair cafes funded by Metro Vancouver have been successful in reducing waste and providing education opportunities but require further resources to scale

Define diversion in glossary:

- **Diversion** is not included in the glossary but clearly defined on p. 6 to "include all of the material recycled plus any material used to create alternatives to fossil fuels".
    - **Recover** does not include composting, anaerobic digestion, or *mass-burn waste to energy* (glossary, p. 67)
    - **Reuse** refers to one further use of a product in the *same form* (but not necessarily for the same purpose) (glossary, p. 67)

Targets and metrics:

- Sector specific targets and metrics for high generator industries promotes stronger accountability and strategic planning

Information, language, and digital accessibility:

- While it is Important to have a comprehensive SWMP, the information needs to be digestible and accessible to connect with the community and spark meaningful discussion
- Providing a version with less technical jargon so people can easily understand the strategies outlined could increase participation to achieve these goals

Overall, the focus in this revised plan to advance circular economy reflects the bountiful opportunities within solid waste management for the region to strengthen waste reduction.

Thank you for considering these comments,

Amika Watari, PTAC Member

Ben Liegey- One Pager - Feedback on Draft Solid Waste Management Plan

Waste Generation Target

10% reduction by 2040 / 20% reduction by 2050 does not seem ambitious
Food waste reduction can be achieved much more quickly that general waste
Suggestion: **Add a secondary food waste reduction target that is more aggressive**
Ex in Washington DC: Reduce food waste by 60% by 2032 vs. 2019

Secondary Metrics

The KPI for Reduce "Amount of preventable food waste in garbage plus a summary of available information on food loss" does not mention "food waste". And what one considers non preventable may be seen as preventable for another one.
Suggestion: **Track & report food waste generated per caP.ita** (not just preventable)
2016 = 158 kg food waste per capita
2030 target to be aligned with SDG 12.3 = 79 kg food waste per capita

Reduce Strategies & Actions



After "Recover", Reduce is the goal with the lowest number of strategies & actions, although it is mentioned as a priority
Suggested actions for STRATEGY 2.3

- **lore the feasibility of a business funding,P-og!.fil!I**
  to support the transition to food waste tracking tools and reporting with digital innovations
  Business funding explored for reuse (3.4.2)
  Incentives to encourage reporting for food donations (3.6.1.2)
  Map our food waste solutions for all 6 goals (including rethink/reduce)
  Food waste solutions mapping beyond just food recovery (3.6)
  ReFED Insight Engine is **a** great example of what could be done

Food **Waste** Reporting:

Guiding Principles: Accountability from businesses to prevent waste / transparency
Suggestions: Commit to a regional annual public re ort that breaks down food waste reduction progress si:1ecifically for the commercial and institutional sectors

Climate Action:

Food= 19% of consumption based emissions (vs. 3% of territorial emissions)
Suggestion: **Improve the quantification of the carbon foot rint of food**

Future Regulatory Enhancements

The 2015 organic disposal ban was one of the actions with the biggest impact in the region
For Generators, mandatory source separation should be the very least required
Suggestions: **Explore a food waste reporting requirement** for businesses, **move to enalties after education** (penalties need to be high enough to change behavior)

Definitions:

Need to clarify some terms
Suggestion: **Define circular jobs, circular initiatives, preventable food wast**

Comments on the Draft Solid Waste Plan (dated January 22, 2026)
Bill Chan – PTAC Member
February 17, 2026

I would like to thank the members of the Public/Technical Advisory Committee (PTAC), who began this journey in June 2022 and, over the past three and a half years, generously volunteered their time and expertise to provide guidance and support to Metro Vancouver on the Updated Solid Waste Plan. Special thanks to those who remained engaged through the final stages, contributing additional critique and thoughtful comments via their one-page submissions on the January 2026 draft plan.

Thank you as well to Director Kirby-Yung, Director Hodge, Paul Henderson, and the entire management team for stewarding the PTAC through this extensive process — from vision setting and guiding principles to performance targets, strategic priorities, and implementation considerations.

The Draft Solid Waste Plan (dated January 22, 2026) reflects the PTAC's journey. The vision, guiding principles, and overall framework were the subject of meaningful discussion throughout PTAC meetings and are reflected in the Draft Plan. Management consistently reported back to the Committee, on how feedback from discussions was considered and articulated.

I would also like to acknowledge those members who brought specialized industry knowledge and shared valuable perspectives with both the PTAC and management.

I echo the sentiments expressed by colleagues, including those who submitted one-page commentaries. There is a shared passion for a vision where nothing is waste, resources are valued, and environmental stewardship remains central.

Rather than restating previously identified themes, I offer a few general observations, including comments on Extended Producer Responsibility (EPR), an area in which I have spent more than 25 years:

1. **Figure 1 – Targets (page 8)**
   Consider including a visual representation of the current baseline. This would provide clearer context and a more compelling illustration of progress. Targets should reflect bold, transformational change rather than incremental improvement.
2. **Metro Vancouver's Strategic Priorities – "Financial sustainability and regional affordability" (page 10)**
   Consider refining this to: *"Financial sustainability and regional affordability through cost effectiveness."* Affordability is often cited as a rationale for delay, whereas cost effectiveness underscores fiscal responsibility while advancing environmental objectives.
3. **Figure 4 – Waste Composition Over Time (page 15)**
   Clarification may be helpful, as the chart appears to indicate electronic waste at approximately 50 kg per capita, which seems high given that consumer electronics has been subject to an EPR program for nearly two decades.
4. **Strategy 3.2 – Extended Producer Responsibility (page 28)**
   I appreciate Metro Vancouver's commitment to advocating for the continued expansion and enhancement of EPR programs. Consider adding a specific reference to the recycling and collection of lithium rechargeable batteries, reflecting their rapid growth (e-bikes, e-scooters, mobile devices) and the increasing fire risks associated with these materials.

   Additionally, consider removing section 3.2.1, which limits EPR for mattresses and textiles to sector-specific applications (e.g., care homes and schools). A broader advocacy position supporting comprehensive EPR programs for mattresses and textiles may be more appropriate, particularly as other jurisdictions are already developing regulations for these materials.

Brenda Martens – Comments on Draft Solid Waste ManagemeInt Plan

I'll primarily comment on wasted construction resources

1. Follow San Francisco's methodology and track wasted construction resources in all stages, generation, hauling and receiving. This will allow the measurement of resources that leave the region, and provide a means to confirm recycling and disposal rates as there are issues in reporting recycling rates.
2. Report concrete downcycling separately from other construction material diversion. Its weight and volume skew the numbers.
3. Phase out incineration and waste-to-energy and concentrate on eliminating 'waste'. Target specific material elimination, if quantities are known this can be translated to a percentage reduction, but percentage reductions on their own are too vague to plan for whereas material elimination is easier to signal to industry and consumers and to plan for.
4. Prioritize reuse of existing buildings in location. Metro Vancouver's role in this could be education and promotion, as well as implementing for their own buildings.
5. Facilitate and prioritize house relocation (as Metro currently does, but formalize this and add to it, possibly by creating designated movement corridors that are kept free of obstructions - requires working with municipalities) and prioritize deconstruction over demolition – this could be by creating easily adoptable bylaws for municipalities.
6. Define the terms being used, such as diversion, recycling, etc. and use "waste" as a verb rather than a noun. Replace "waste" with "wasted resources" and use the Zero Waste Hierarchy and definition.

RCBC's Comments on Metro Vancouver's Draft Solid Waste Management Plan

The **Recycling Council of British Columbia (RCBC)** appreciates the opportunity to provide feedback on the draft Solid Waste Management Plan.

Guidance

- **Real vs perceived affordability:** While rising costs and affordability are front of mind and concern for all, it would be unfortunate to have "perceptions" of unaffordability be used to justify delays to key system improvements and ambitions with real long-term impact. Just as pausing the inclusion of mattresses to recycling regulation amendments was justified based on affordability concerns, delaying effective waste diversion actions often shifts and externalizes costs in other ways and to other groups.

Targets and metrics

- **Encourage sector-specific accountability:** Effective waste management requires precision. The more specific targets are, the more effective efforts can be to achieving them. We encourage the plan to incorporate sector-specific targets for ResidenJal, MulJ-family, ICI, and C&D sectors. This ensures that enforcement and resources are directed exactly where the issue is greatest, allowing for sector-specific compliance tracking and greater accountability that can drive more effecJve improvements. It would be valuable to see the esJmated impacts of the acJons outlined in the plan, by sector, to know which are expected to be the most impacPul.

Regulatory enhancement and enforcement

- **Mandate source separation for ICI & C&D:** As discussed in the last meeting, regulatory enhancements have been some of the most effective mechanisms to increase waste diversion. We would encourage Metro Vancouver to initiate the process to adopt mandatory source separation for ICI.
- **Stricter organics ban enforcement:** We support stricter enforcement of the organics ban by increasing inspections and implementing clear bag policies to address the persistent volume of organics, plastics, and packaging that still ends up in landfill.

Budget allocations

- **Meaningful resources dedicated to Rethink, Reduce, Reuse, and Recycle:** We would like to see narrative surrounding strategies 1-4 in the plan translate into meaningful resources to strategies higher up the waste hierarchy. While it's not entirely clear what the breakdown of allocations will be from the budget presented it appears to show that less $3 million of a total budget of $169 million will allocated to Zero Waste Implementation in 2026. We would like to see this broken out further and for it to be increasing in subsequent years, at least at the same rate as the overall budget. There are many impactful initiatives outlined in strategies 1-4 in the plan and it would be unfortunate for them to not be implemented because of a lack of funding when a disproportionate amount of funding is going to cover the cost of disposal and recovery.

Doug Schell - One Pager Feedback MVSWP (draft) Feb 2026 PTAC

Current System

The current system emphasizes coordination and reporting, but lacks independent verification, consistent enforcement, and structural accountability.

Education and Collaboration

While education and collaboration remain important, they cannot overcome economic incentives that favour disposal, poor product and building design, inconsistent enforcement, and opaque data reporting.

Infrastructure

Disposal and recovery infrastructure provide system stability but without upstream accountability and independent verification they can normalize residual waste, discourage recycling investment, lock in material loss, and undermine the credibility and comparability of reported diversion and circular economy performance

Case for an Ombudsperson or Agency

Complex waste systems cannot credibly self-regulate, and a Solid Waste and Circular Economy Ombudsperson is needed to independently verify performance, standardize metrics, ensure transparent reporting, and ensure that performance verification and compliance findings are independent of political influence

What Success Looks like

With independent oversight, residual waste is treated as a problem to reduce rather than a performance credit, disposal is clearly separated from recycling and prevention, and strong performers are distinguished from chronic underperformers.

Focus on strong disposal ban enforcement, mandatory source separation, third party audits and independent administrative oversight.

Recommendations

-Independent oversight of waste system performance
-Commit to stronger disposal ban enforcement
-Mandatory source separation requirements
-Generator audits
-With the increased capacity on landfill space at the Vancouver Landfill the Waste to Energy Plant should be targeted for closure as soon as possible.

Waste Reduction can't be achieved through aspiration alone.
It requires governance structures that make performance unavoidable.

[redacted]

Comments regarding Metro Vancouver's Draft Solid Waste Management Plan

February 18, 2026

Light House commends Metro Vancouver on enhancements made to the draft Solid Waste Management Plan dated January 22, 2026. While the draft SWMP makes strides in prioritizing circular economic activity, it generally lacks teeth to ensure that regional actions also prioritize higher level activities in the pollution prevention hierarchy. The plan as worded allows the status quo to be maintained with only lip service offered to circular strategies.

Accordingly, we urge Metro Vancouver to make the following additional amendments to the draft SWMP, some of which are articulated in the submissions of other members of the Solid Waste Management Plan Technical Advisory Committee:

- In line with the purported vision, refrain from using the term "waste" wherever possible and replace it with "material" or "resource" to reflect the need and opportunity to rethink how we view materials.

- Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc.

- Commit a percentage of the Solid Waste budget to circular initiatives.

- Strengthen Rethink and Reduce strategies by including measurable targets (including interim and long-term) and clearer definitions.

- Gather metrics from circular economy operating business (re-use/refill/repair/share) to ensure we incorporate avoided waste into regional waste prevention statistics and achievements.

- Set real targets for expanding public and private infrastructure supporting the higher uses in the PPP, similar to how Metro Vancouver just negotiated to expand the life of the Vancouver Landfill.

- Secondary metrics under the “reduce” goal need to more clearly address ALL single-use items, including single-use packaging on construction materials. The metrics currently have a very residential flavour in relation to single-use plastics. Single-use plastics from the construction sector dwarf the volumes of single-use plastics from residential uses and need to be called out and addressed.

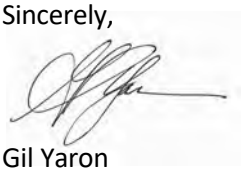
- In addition to encouraging private sector solutions to increase waste reduction and recycling in the region (p.15), Metro Vancouver needs to address policies that undermine private sector innovation. For example, failing to enforce rules governing the handling and disposal of CRD materials and allowing industry players to avoid responsibility for the illegal handling of materials (e.g. avoiding abatement and removal of gypsum/drywall) by shipping demolition waste across the Canada/US border or be disposed in unauthorized locations to avoid regulatory requirements.

- In that regard, commit to enhancing enforcement of regional rules governing solid waste management, particularly with respect to CRD material, and commit to report out on enforcement efforts and acts of non-compliance.

- Expand strategy 3.3.1 to cover regional projects and all new applications, not just new products (e.g. using reclaimed wood for public trails and recreational amenities like park benches and tables).

- Expand strategy 3.4.3 to include site infrastructure, not just single-use items.

Sincerely,



Gil Yaron
Managing Director, Circular Innovation

HSR Zero Waste
Six Structural Corrections Required in the Draft Solid Waste Management Plan

A credible Solid Waste Management Plan must rely on clear definitions, honest accounting, and enforceable policy. When destructive pathways are credited as progress, diversion rates are inflated and system weaknesses are hidden. The following structural corrections are required.

1) Define Recycling Properly
Recycling must mean the mechanical processing of discarded materials into products or materials for original or other purposes. It must exclude incineration, reprocessing into fuels, backfilling, and materials used as landfill cover. Combustion is destruction, not recycling.

2) Distinguish Recovery Categories
The Plan must clearly separate recovery of materials for the purpose of recycling and composting from recovery of materials for the purpose of fuel. The first attempts to return materials to productive use after system failure. The second permanently removes materials from the circular economy through combustion or thermal conversion. These outcomes are not equivalent and must never be grouped together.

3) Do Not Count Recovery as Diversion
Diversion must measure prevention, reuse, recycling, and composting. Recovery occurs only after proper source separation has failed. It may salvage some value, but it does not represent successful system performance. Recovery for the purpose of fuel is disposal. Neither form of recovery should count toward diversion targets.

4) Set Sector Specific Targets
Diversion goals and reporting must be separated for Residential, Industrial Commercial and Institutional, and Construction and Demolition sectors. Aggregated reporting masks underperformance and weakens accountability.

5) Enforce Disposal Bans and Implement Black Bag Inspections
Metro Vancouver already has disposal bans and inspection authority. These tools must be fully utilized. The Plan should commit to increasing inspection frequency at all disposal facilities and implementing black bag inspections, which are not currently being conducted. Consistent inspection at transfer stations, landfills, and the Burnaby incinerator, with public reporting of results, is the fastest way to drive source separation at businesses and residences.

6) Phase Out Incineration and Acknowledge Its Liabilities
The Plan should establish a clear pathway to phase out the Burnaby incinerator. Incineration produces greenhouse gases, air contaminants, and toxic ash, and represents long term environmental and financial liability. As an owned public asset, it carries regulatory risk, escalating retrofit costs, and potential stranded asset exposure. It must never be presented as renewable or environmentally beneficial.

Metro Vancouver PTAC feedback:

Jennifer Henry

1. Require and fund Enforcement of landfill bans and inspection of loads. Fine haulers and publish data on the number of loads inspected/fined.
2. Use the Zero Waste Hierarchy and definition. Eliminate the goals for recovery in favour or more work on reduction.
3. Develop and publish a plan to close the Burnaby incinerator.
4. **Invest** in (or allocate space to) infrastructure to support Zero Waste innovators, using the Zero Waste Demonstration site at the City of Vancouver plan as a reference.
5. Require minimum 3 stream separation for all ICI across all municipalities in Metro Van. Use the City of Vancouver's business license application as a model for all other other municipalities to use.
6. Require clear bags for commercial and multi-family (if not all) loads tipped at our landfill.

Metro SWM Plan Feedback - Louise Schwarz (Feb 2026)

Targets and Timelines

- Set more ambitious targets; set targets in-line /consistent with regions in Canada & US that are leading the pack in waste prevention goals and metrics
- Timelines should be more immediate with a maximum 5 year cadence, (i.e. 2032; 2037, 2042 etc) and a potential structure for 'mid-term check-points' (i.e. 2029; 2034; 2039) in order to understand and monitor progress/compliance towards Metro's targets
- Longer timelines are hampering concrete action, slowing down system improvements and ultimately facilitating 'target slide'
- This way the region can identify consistent challenges to inform Metro's strategy and future regulation/education/infrastructure implementation and enabling region to 'course correct' and/or adopt improvements

Metrics

- ICI should be tracked Sector by Sector to identify gaps, gauge sector compliance, target enforcement and accurately apply penalties to drive improved waste prevention/
- Possible ICI Sector Categories: Multi-Family; Office/Business Services; Food/Hospitality; Retail; Schools; Post Secondary; Government
- Public reporting on non-compliant sectors (i.e. # of fines/penalties applied to each sector)
- Gather metrics from circular economy operating business (re-use/refill/repair/share) to ensure we incorporate avoided waste into regional waste prevention statistics and achievements

Policy & Regulation

- Region-wide Source Separation requirements for all Metro municipalities/districts
- Consider clear bag requirements - especially for ICI sector

Enforcement

- Increase inspection capacity at transfer sites
- With increased capacity incorporate SPOT CHECK bag tear visual inspections with photos for verifiable fines back to generator companies (through the haulers)
- Consider focusing campaigns/fines on specific streams - especially with regards to organics in the garbage
- Is it more effective to 'blanket the region' with stream by stream campaigns on the top banned categories still found in the garbage (i.e. Organics); focus enforcement/penalties on the targeted stream and measure associated increased compliance; after 11 years of organics bans, why are businesses and multi-family still placing organics in the garbage with few consequences? There is an education/enforcement/penalty gap

Circular Economy

- Proactively engage and leverage the existing eco-system of circular businesses and innovators, already operating/providing waste prevention/waste avoidance options in the region; we don't need to re-invent this wheel; we need to 'un-obstruct' the pathway
- Facilitate and enable expansion of circular models through regulatory frameworks that help rather than hinder the growth of such services/products in the region
- When hurdles remain in place, these types of businesses fail; early adopter momentum cannot be maintained; and broader mainstream roll-out/adoption cannot evolve

Additional suggestions for EPR - Extended Producer Responsibility (Prov. Jurisdiction)

- Despite EPR's being under provincial jurisdiction, Metro should continue to press EPR structure in the following areas:
    - Responsible/verifiable reporting from producers to demonstrate they are proactively complying with EPR goals to 'design waste' out of their products
    - This way, EPR programs can demonstrate they are moving 'up the waste hierarchy' to prevent waste rather than developing infrastructure and systems to manage materials at the end of the tailpipe
    - Developing EPR local end markets that keep these stewarded materials in the region they were purchased/consumed/disposed
    - Verifiable/ transparent reporting on what end markets/end products EPR materials are being processed into (i.e. if textiles do not have a verifiable downstream they should not be counted as recovered, despite being collected)

February 17, 2026

To Whom It May Concern,

I am writing on behalf of Dreamstill and in my personal capacity as Marcelle Moreira dos Santos, a Metro Vancouver resident and participant on the Metro Vancouver Public and Technical Advisory Committee for the Solid Waste Management Plan (SWMP) Update. I appreciate the opportunity to provide technical feedback to strengthen the region's waste reduction strategy. The comments below are informed by my professional experience as co-founder of Dreamstill, a social enterprise that has engaged 800–1,000 participants in textile repair, reuse, and sharing initiatives over the past two years. And as an innovator currently prototyping an automated textile intelligence system designed to reduce sorting costs from approximately $0.15 per garment to $0.02 by combining computer vision, infrared spectroscopy, and a routing decision engine.

Given Metro Vancouver's goal to reduce waste disposal to 170 kg per capita by 2050, textiles represent a strategic opportunity. At approximately 8 kg of textile waste per person annually, textiles are a relatively small portion of the waste stream but one that is highly recoverable. Given the wide range of viable reuse and recovery pathways—such as insulation, fiber respinning, stuffing, industrial applications, and composting for natural fibres—textiles should not be entering disposal streams at scale.

Overall, the SWMP would benefit from greater specificity, stronger commitments, and a plan to phase out the use of the incinerator.

Many actions within the Rethink and Reduce strategies would be strengthened by measurable targets and clearer definitions. Terms such as "advocate" and "connect" appear frequently but lack operational detail. For example, how often will advocacy occur, through which channels, and with what intended outcomes? Similarly, what constitutes successful "connection" under Strategy 2.1.3?

The plan also references "identifying" opportunities for circular businesses and "researching" reuse and repair options. However, much of this exploratory work has already been conducted by organizations and startups operating in the region. For instance, Dreamstill has developed software capable of identifying garment condition and recommending next-life uses with 40% accuracy; further improvements primarily require database expansion rather than feasibility research. I encourage Metro Vancouver to leverage existing innovations rather than duplicating work already completed within the ecosystem.

Later the plan also commits to "implement circular business opportunities," and to "collaborate with external organization on circular initiatives, research, and pilot projects". To maximize effectiveness, greater clarity is needed regarding which partners are being prioritized, how collaborations will be structured, and what specific supports Metro Vancouver is prepared to provide. Do these supports include funding, data access, facilities, regulatory support, coordination, promotion, or administrative assistance? This

is what the space needs to scale because demand for these initiatives is already evident: Repair Cafés, for example, consistently operate at capacity, demonstrating strong public interest but limited resources to implement it.

I also note that the plan identifies multi-family residential buildings as high waste generators and opportunistic for implementation of waste diversion, but implementation barriers here are significant and the plan does not seem to acknowledge those. Actions such as 3.5.3 appear to assume willingness from strata corporations, yet in practice these entities are often resistant to installing collection infrastructure or hosting reuse initiatives. It would be helpful to clarify whether Metro Vancouver can play a stronger convening, regulatory, or policy role with property managers and strata organizations.

Lastly, and perhaps most importantly, the plan does not appear to directly address reduction in overall consumption, which is the highest-impact intervention within the waste hierarchy. While diversion, recycling, and circular initiatives are important, they do not substitute for upstream strategies that reduce material throughput in the first place. Without clear actions, targets, or policy mechanisms focused specifically on lowering per-capita consumption, the plan risks emphasizing downstream management over prevention. Strengthening this area would better align the SWMP with zero-waste principles and long-term sustainability goals.

Thank you again for the opportunity to contribute feedback. I would welcome continued dialogue and collaboration to help ensure the SWMP reflects both the urgency of the waste challenge and the readiness of local innovators to support solutions.

Sincerely,
Marcelle Moreira dos Santos
Co-Founder, Dreamstill Technologies

Dear Metro Vancouver Solid Waste Management Team,

Thank you for the opportunity to review the Initial Draft Solid Waste Management Plan. We commend Metro Vancouver for its leadership in advancing a circular economy and appreciate the proposed actions. This approach aligns with the values of the health authorities across Metro Vancouver who recognize climate change and environmental degradation are significant and growing threats to population health. Each health authority in the region has established a planetary health or environmental sustainability strategy that reflects our shared commitment to reducing unnecessary waste and managing resources responsibly (linked in Appendix 1). We see three key themes which would strengthen the current plan:

1. Highlighting the connection between environmental and human health

We see value in explicitly incorporating health as a guiding principle in this revised plan and clearly articulating the connection between proactive waste management and the prevention of climate-related impacts on both community health and the natural environment.

Recognition of the interdependence between climate change and health would complement the collaborative work with First Nations given Indigenous teachings/beliefs linking health and the environment. Furthermore, it is critical that we recognize that climate change and environmental degradation affect disadvantaged populations and communities. A discussion of these inequalities and how the actions in the strategy address these should be included and recommendations for engagements for early connection with the population public health and environmental health departments in the region should be incorporated, to ensure health is a pillar of implementation.

2. Strengthen support for the commercial sector to continue to segregate optimally

The health sector strongly supports the zero-waste hierarchy[1]. Reducing waste at the source decreases the volume requiring management at landfills and the waste-to-energy facility. Given the healthcare sector's substantial waste footprint[2][3], there is an opportunity to highlight ongoing initiatives within health care that align with Metro Vancouver's objectives. Evidence demonstrates that improper waste management can contaminate soil, air, and water[4], underscoring the importance of a robust regional plan[5]. With the Vancouver Landfill expected to operate until 2050, continued support for large sectors, including healthcare, to improve organics segregation will

[1] Previous feedback from the health sector was submitted through the 'Preventing Non-Residential Packaging Waste Public Engagement 2024 (Pages 13 & 328) Available here Preventing-Waste-Outside-the-Home_Written-Submissions.pdf

[2] IPCC, 2022: Climate Change 2022: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, et al.) Cambridge University Press, Cambridge, UK and New York, NY, USA, 3056 pp., doi:10.1017/9781009325844

[3] The *Lancet* Countdown on health and climate change: from 25 years of inaction to a global transformation for public health. Watts, Nick et al.The Lancet, Volume 391, Issue 10120, 581 - 630

[4] Nizami, A-S, et al. 2022, *An overview of the environmental pollution and health effects associated with waste landfilling and open dumping*, *Environmental Science and Pollution Research*, vol. 29, pp. 42539–42555, viewed 17 February 2026, https://pmc.ncbi.nlm.nih.gov/articles/PMC9399006/ (Accessed February 11th 2026).

[5] CMAJ 2023 April 11;195:E518-9. doi: 10.1503/cmaj.1096046

further reduce emissions. Municipality support with Goal 4 of optimizing recycling, would greatly benefit the health authorities as they navigate vendor issues previously flagged with Metro Vancouver. Consequently, preventing and reducing waste will improve local air and quality, reducing 2 million tonnes of CO2 emissions from landfills and 277,877 tonnes CO2 from incineration annually[6][7] demonstrating important public health co-benefits such as lower rates of respiratory illness and other pollution related health conditions.

3. Classification of healthcare waste & clear communication

We ask Metro Vancouver to consider the classification of healthcare garbage as 'specialized waste'[8]. Grouping healthcare waste with asbestos has been flagged by the lower mainland waste management teams in previous engagement sessions with Metro Vancouver as counter-productive to healthcare waste management. This problematic classification creates bias and fear around non-hazardous waste in healthcare.

Thank you for your consideration of our feedback and the opportunity to partake in this engagement. We welcome dialogue with Metro Vancouver on how best to progress in recycling, reuse and overall waste reduction in the health sector. We encourage Metro Vancouver to outline how engagement with the commercial sector, including the healthcare sector, will be structured, and look forward to continued collaboration as the plan advances.

Kind regards,



Robert Bradley
Regional Director, Energy & Environmental Sustainability
Facilities Management (VCH, FH, PHC, PHSA)



Dr. Jonathan Braunstein
Regional Medical Staff Lead,
Sustainability and Preparedness
Fraser Health



Amanda Witter
Executive Director, Transformation and Planetary Health
Vancouver Coastal Health

February 18th 2026.

[6] Metro Vancouver 2020, *Climate 2050: Solid Waste Primer*, Metro Vancouver, viewed 17 February 2026, https://metrovancouver.org/services/air-quality-climate-action/Documents/climate-2050-solid-wate-primer.pdf (Accessed February 10th 2026).
[7] City of Vancouver 2024, *2024 Annual Report: Vancouver Landfill*, City of Vancouver, https://vancouver.ca/files/cov/2024-annual-report-vancouver-landfill.pdf (Accessed February 11th 2026).
[8] Page 39, 6.4.4 of the Initial Draft Solid Waste Management Plan (January 2026).

(Submitted by PTAC committee member Sarah Scanlan, Regional Sustainability Consultant –VCH, FH, PHSA & PHC)

Appendix 1 Lower Mainland Health Organizations Planetary Health Strategies:

Vancouver Coastal Health Planetary Health | Vancouver Coastal Health

Fraser Health Sustainability and Preparedness: Our Planetary Health Strategy

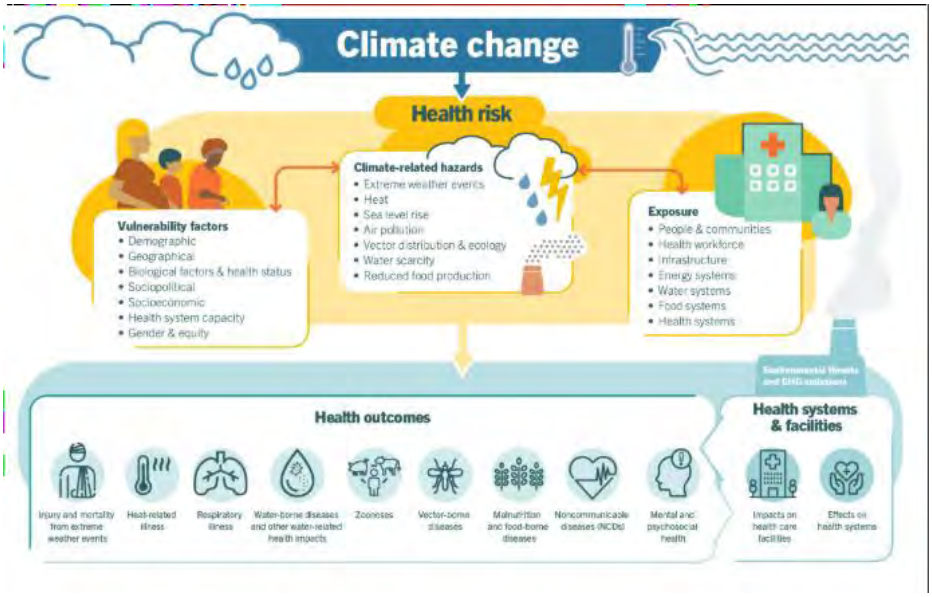
Providence Health Care PHC Planetary Health Strategy 2024-2029.pdf

PHSA; B.C. Renal Planetary Health Strategy Planetary_Health_Strategy.pdf

B.C. Cancer Planetary Health Strategy Info Guide - Planetary Health - Home at BC Cancer

Appendix 2

Impacts of climate change on health (WHO, 2023)[9]



[9] World Health Organization (WHO) 2023, *Climate change and health*, WHO, viewed 17 February 2026, https://www.who.int/news-room/fact-sheets/detail/climate-change-and-health (Accessed February 10th 2026).

Here are the key concerns from a Zero Waste perspective:

1. Use the Zero Waste Hierarchy and definition. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour or more work on reduction.
2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan.
3. Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. It represents a huge risk to the region. Firmly commit to not building or using any new incineration or thermal treatment facilities.
4. **Invest** in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include:
    a. Waste prevention such as cutting unnecessary packaging and preventing food waste.
    b. Reuse and Repair -making it easier so unusable items do not get thrown out.
    c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    d. Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution
    e. Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.
5. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions.
6. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented.
7. Pledge to be transparent - report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.
8. Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.

Feedback on January 2026 draft SWMP of Metro Vancouver

There are three components to this feedback. The first are high level concerns with the plan, the second is an endorsement of the framework proposed by Jamie Kaminski and the third is a section with detailed suggestion on the plan sections.

Overall feedback

Here are the key high-level concerns from a Zero Waste perspective. The plan should:

1. Ensure that Zero Waste positioning is reflected more clearly and consistently in how the regional waste system is designed, measured, funded, and enforced in practice. Use the Zero Waste Hierarchy and definition. Add in zero waste language as appropriate throughout the plan (i.e. most parts that mention circular economy). A clear peer-reviewed definition and hierarchy will drive progressive action. Note the plan should highlight the impacts avoided by reduction - biodiversity, habitat loss, soil nutrient loss, air pollution, water pollution, land pollution, etc. (not just GHGs). Eliminate the goals for recovery in favour of more work on reduction.
2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan.
3. Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. It represents a huge risk to the region. Firmly commit to not building or using any new incineration or thermal treatment facilities.
4. **Invest** in zero waste solutions such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include:
    a. Waste prevention such as cutting unnecessary packaging and preventing food waste.
    b. Reuse and Repair -making it easier so unusable items do not get thrown out.
    c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    d. Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution
    e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions.
6. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented.
7. Pledge to be transparent - report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal. Report on the metrics suggested in biennial reports

with at least as much as detail as the 2019 report had as well as the additional suggested information.

8. Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.

Framework

We support this Framework for Metro Vancouver's Next Solid Waste Management Plan. This framework outlines the core elements that must be included in the next SWMP to align Metro Vancouver's stated Zero Waste commitments with how the system is designed, funded, measured, and enforced in practice. It focuses on actions Metro Vancouver can control or directly enable through bylaws, pricing signals, service requirements, enforcement, and targeted investment.

1. Clear Targets That Measure Real Zero Waste Outcomes What the Plan Should Do

The Plan must include clear, measurable targets aligned with the Zero Waste Hierarchy:

- **Sector Specific:** Each sector (Residential, IC&I, C&D) must have its own diversion targets and not only one aggregate target for the region.
- **Waste reduction:** Reduce per-capita municipal solid waste generation by 15 percent by 2036, relative to a 2023 baseline, with interim targets.
- **Zero Waste performance:** Zero Waste targets under this Plan are achieved through waste reduction, reuse, and diversion, with diversion limited to source-separated recycling and composting only. Make it more clear how the goals and actions will help to get to the targets.
- **Disposal reduction:** Reduce per-capita disposal by at least 50 percent by 2036.

2. Measurement, Metrics, and Accounting Framework (Foundational to the Entire Plan)

This section establishes the accounting rules that apply across the SWMP. These rules ensure reported performance reflects real Zero Waste outcomes rather than downstream correction.

2.1 Separate Reporting of Waste Streams

The Plan requires that the following waste streams are measured, tracked, and reported separately:

- Residential Solid Waste
- Industrial, Commercial, and Institutional (IC&I)
- Construction and Demolition (C&D)

C&D waste must never be aggregated with residential or IC&I diversion rates.

2.2 What Counts Toward Diversion

Diversion is intentionally defined narrowly.

Counts toward diversion:

- Source-separated third-party reuse
- Source-separated recycling**,** defined as:

The reprocessing of source-separated materials into new products, materials, or substances for their original or similar purpose, in a manner that displaces the use of virgin materials. Recycling does not include processes that convert materials into fuels, energy, or products used primarily for energy recovery or disposal.

- Source-separated composting or anaerobic digestion

Does not count toward diversion:

● Recycling or composting of materials recovered from mixed waste
● Post-residual sorting
● Stabilization of organics after disposal
● Metals Recovered from Incineration Ash
● Incineration ash incorporated into concrete or other materials
● Combustion or fuel substitution (e.g.: refuse derived fuel, chemical processing of plastics to fuel)

2.3 Treatment of Recovery

Recovery must be reported as disposal because it occurs only after materials have failed to be captured through source-separation. Recovery includes post-residual sorting, recovery of metals from ash, and stabilization of organics after disposal.

Under this Plan:

● Recovery is maximized to reduce environmental harm.
● Recovery is tracked as a diagnostic indicator.
● Recovery is reported as disposal for performance measurement.

Objective: Reduce the amount of recoverable material entering disposal.

2.4 Energy Recovery and Combustion-Based Pathways

All combustion-based management of waste is classified and reported as disposal, regardless of where combustion occurs or how fuel is prepared. This includes waste-to-energy, energy-from-waste, refuse-derived fuel (RDF), and fuel substitution. These pathways do not count toward diversion or Zero Waste targets, and must never be counted as material recovery.

2.5 Stabilization of Organics

Biological stabilization of organics is supported as a pollution control measure where source-separation fails.

However:

● Stabilization alone does not count toward diversion.
● Only source-separated organics processed through legitimate composting or anaerobic digestion pathways count toward diversion.

3. Waste Reduction (Metro Vancouver-Controlled Priorities)

Waste reduction delivers the greatest environmental and financial benefits and relies on tools that Metro Vancouver can directly control through regulation, service requirements, enforcement, and targeted investment.

The Priority actions within Metro Vancouver's control are described in detail below:

3.1 Enforcement-led reduction using disposal bans as a true front-end control

Use disposal bans to prevent recoverable materials from entering the disposal system, not to justify downstream correction.

● Mandate use of clear bags.
● Increase inspections and consequences (linked to Section 6).
● Require repeat offenders to submit a compliance plan with specific corrective actions and timelines.
● Use inspection data to target high-impact generators and sectors for follow-up.

3.2 Multi-family reduction program at scale

Multi-family is a large, controllable opportunity where service gaps and inconsistent standards drive disposal.

- Require organics and recycling service for multi-family with minimum service standards and clear timelines.
- Require building-level performance measures (set-out rates, contamination, and disposal per unit).
- Fund building supports that directly reduce disposal: signage packages, caretaker training, and initial on-site audits.

3.3 Food waste prevention and redistribution enablement

Prevention is of higher value than processing. Metro Vancouver can enable prevention through targeted partnerships and standards.

- Expand support for food waste prevention and redistribution partnerships (best before handling, safe donation logistics).
- Require large generators with high organics volumes to implement prevention practices before relying on organics processing.
- Report prevention results as avoided tonnes and avoided disposal costs.

3.4 Public events and venues: minimum prevention and reuse standards

Large events are visible, controllable, and can set regional norms.

- Require reuse service plans for major permitted events (cups, dishware, and service ware).
- Require organizer reporting on waste generation, separation performance, and contamination.
- Use a simple compliance ladder: education, conditions on permits, then penalties for repeat failures.

3.5 Economic signals that reward prevention and penalize repeated disposal of banned materials

Metro Vancouver can realign incentives through disposal pricing and generator accountability.

- Use disposal surcharges for loads with banned materials or non-inspectable bagging patterns, consistent with inspection protocols.
- Align tipping fee structures to reward clean source-separation and penalize mixed disposal.
- Use generator-facing charges where applicable to shift costs toward preventable material in the garbage stream.

3.6 Track and report avoided waste

Reduction must be visible. The Plan must track avoided waste as a core performance indicator.

- Report per-capita generation, in addition to per-capita disposal.
- Report avoided tonnes tied to specific programs (multi-family supports, event standards, food prevention).
- Publish annual results by sector (Residential and IC&I) so underperformance cannot be masked by C&D.

How to Shift Funding Toward Reduction

Metro Vancouver should establish an Upstream Investment Envelope inside Solid Waste Services and report it transparently.

- Create a dedicated annual envelope for reduction and reuse programs with a minimum

share of the Solid Waste Services budget, increasing over time.
● Fund the envelope through a mix of reallocation from downstream programs, generator levy revenues, and avoided disposal costs as performance improves.
● Tie funding to measurable deliverables: enforcement activity, compliance improvements, avoided tonnes, and sector-specific performance.

4. Reuse and Repair (Core System Components)

Reuse and repair reduce waste generation by keeping products and materials in use at their highest value before they become waste. Unlike recycling, which manages materials after discard, reuse prevents waste at the source and requires intentional system design, regional coordination, and stable support to function at scale. The following actions identify priority areas where Metro Vancouver can strengthen reuse outcomes through targeted investment and enabling policies.

4.1 Regional reuse infrastructure program (hubs and collection channels)

Metro Vancouver should support a network of reuse hubs focused on high-volume categories that drive disposal.
● Bulky goods and furniture capture (reduce bulky disposal and illegal dumping).
● Textiles and household goods capture with clear sorting standards.
● Building materials capture in coordination with municipalities and private operators.
Metro Vancouver can enable this through siting support, partnership agreements, and targeted grants tied to tonnage captured and verified reuse outcomes.

4.2 Repair and refurbishment network scaling

Repair extends product life and reduces waste generation.
● Expand repair events and permanent repair capacity through small grants, space access, and promotion.
● Support refurbishment pathways for electronics and durable goods through partnerships and standards for safe handling.
● Advocating for repair and refurbishment as a key part of provincial and federal regulations.

4.3 Deconstruction and building material reuse enablement

Metro Vancouver can support municipal deconstruction policies by enabling markets and pathways.
● Work with municipalities to standardize salvage expectations where feasible.
● Support aggregation and resale channels so salvaged materials have reliable markets.
● Licensing all C&D material service providers and tracking all material flows from C&D to ensure accountability.
● Track outcomes separately from C&D diversion to avoid inflating Residential or IC&I results.

4.4 Reuse-first procurement leadership and standards

Metro Vancouver should lead by example and normalize repairable and reusable products. Look to the City of Richmond as a local ground-breaking example and learn from it.
● Adopt internal procurement standards favoring refurbished and repairable products where feasible.
● Incorporate the reuse of materials into Metro Vancouver procurement, with a focus on

C&D materials.
● Encourage member municipalities to adopt similar standards and share templates.

4.5 Measurement: track reuse separately

Reuse should be reported as a distinct performance line item, not blended into recycling or diversion totals.
● Track verified reuse tonnage and participation indicators.
● Report reuse separately by sector and program area.
● Use reuse metrics to support funding decisions and program scaling.

How to Shift Funding Toward Reuse

Metro Vancouver should allocate a stable share of upstream funding to reuse and repair as long-term cost control.
● Use the Upstream Investment Envelope to provide predictable multi-year funding for reuse hubs and repair networks.
● Fund only outcomes that are verifiable (items reused, tonnes captured, participation, and reduced bulky disposal).
● Prioritize initiatives that reduce disposal volumes and contamination pressures on recycling and organics systems.

5. Universal Access to Recycling and Organics Services

The Plan must require recycling and organics service for:
● Multi-family residential buildings
● Commercial, institutional, and industrial properties
The plan should also provide support for these changes such as signage, information and technical assistance. Minimum service standards and clear compliance timelines are required to support disposal bans and Zero Waste targets.

6. Strengthened Disposal Bans and Inspection Quality (A Core Zero Waste Delivery Mechanism)

6.1 The Core Problem

Disposal bans rely on inspections, yet current practices cannot meaningfully inspect opaque or non-transparent bags. Bagged waste routinely passes without review, creating a systemic enforcement loophole that undermines both effectiveness and fairness.

6.2 Required Changes

The Plan must close the bagging loophole and raise inspection quality through:
● **Inspectability as a condition of disposal:** require loads to be reasonably inspectable using transparent bag requirements, bag limits, or loose loading requirements where appropriate, and treat non-inspectable loads as presumptively non-compliant.
● **Standardized inspection protocols:** random bag opening using approved safety procedures, designated inspection areas, and clear thresholds for rejection, surcharge, or follow-up.
● **Clear responsibility:** generators ensure compliance and inspectability, haulers flag problematic loads, and disposal facilities enforce outcomes.
● **Strategic use of data:** track inspection outcomes by sector and material type, report publicly, and use results to target enforcement and service gaps.

7. Disposal and Infrastructure Alignment

The SWMP must align infrastructure planning with waste reduction by:

● Committing to the phase-out of the Burnaby incinerator within the planning horizon.
● Avoiding new "must-run" disposal capacity.
● Using flexible landfill capacity for true residuals, so the region pays for what it needs as disposal declines.

Additional Recommended changes by plan section:

Vision: revise to: A thriving, sustainable region where resources are conserved and not destroyed or wasted.

Principles:
1-6 as is but add a top one of: striving to reach zero waste.
Edit 7. to Transparency about what happens to garbage, recycling and organics and the impacts of those materials and systems.
Add

8. Minimize use of toxic and harmful materials and output of pollution.
9. Precautionary Principle

Hierarchy -use the ZWIA one, eliminate goal 5, add a last goal to eliminate the use of incineration/waste to energy as well as the burning of clean wood waste.

Targets
Climate goal**:** Make the closure of the incinerator part of the path to climate neutrality; this would save at least 130,000 t CO2e annually (270,000 tonnes if full carbon accounting for biogenic emissions are included) and aim for 0% organics disposed in landfill by 2036.
There should be a strong emphasis on reducing emissions and not a reliance on carbon offsets (the effectiveness of which have been questioned).

There should be a for total waste (so if population goes up, there is a need to work harder to meet the goal) as planetary boundaries are finite, regardless of population.

Food waste should also have its own metrics, goal and reporting. Keeping organics out of the waste stream is necessary to achieve Metro Vancouver's climate goals. The target should be aligned with the SDG 12.3 target -50% less food waste by 2030

Target for % of loads fully inspected (as in clear bags or opening opaque bags) -to 90% in 10 yrs.

Secondary Metrics
Add the following:
Rethink

- # partnerships
- # businesses certified Zero Waste
- Economic value of circular economy
- Funding and investment available for ZW/CE initiatives

Reduce

- # municipalities with event permit zero waste requirements
- # municipalities with zero waste plan requirements for business licenses
- # engagements to support ICI transitions

Reuse

- Tonnes reuse for C&D materials (separate)
- # repair options and awareness
- # reuse programs (encourage all groups to register their programs, support new ones, have RCBC share where they are)
- #refilleries -same as above
- Growth in number of share, repair and reuse assets
- Amount of reuse options and awareness
- # repair shops -same as above # municipalities with event permit zero waste requirements

Recycle

- # municipalities with full organics collection
- # municipalities with full curbside collection
- % of MF buildings with full Recycle BC service
- % of MF buildings with organics service
- Organics recycling participation rate
- % of ICI with full three streams collection
- # municipalities with mandatory three stream collection or % of region (when MVRD implements)
- Amount composted by sector
- % contamination recycling
- % contamination organics

Recover

- remove existing one as inaccurate representation of what diversion is,
- add what materials are recovered and
- # actions taken to move from recovery to higher levels of the hierarchy

Dispose

- # Actions taken to understand why something was wasted
- Remaining incineration capacity (years and tonnes left until a rebuild/major retrofit is required)
- GHG from transport of waste (from collection location to end fate)
- GHG from disposal facility by each facility (include both biogenic and non-biogenic), show % of each.
- GHG reductions associated with solid waste and consumption
- Show energy input and wasted at each facility
- Clear costs of disposal per tonne by disposal methods and not including transfer station costs, only transportation from there to landfill or incinerator (which again should be separate by each location)
- Clear costs for incinerator maintenance (capital and anything in the contract)
- Do not show homes powered by incineration as this is misleading
- % loads enforced
- % loads in clear bags
- GHG - consumption-based emissions, if showing recovery for fuel, need to show what was lost by burning it.
- Wildlife garbage interaction statistics
- Illegal dumping statistics
- Waste composition (at least every three years and by sector)
- Diversion rates (for the whole community and by sector) (as defined above)

- Total waste disposed (for the whole community and by sector)
- Total discards generated (for the whole community and by sector)

Overall commit to reporting -annual and biennial, include % spend by hierarchy level and actions conducted focused on sectors

Alignment

Provincial

Add other provincial work such as single use plastics, expanding EPR, examining non-residential packaging and paper and improving organics collection and processing.

Note the provincial guideline says very clearly that there is no need to align to the provincial hierarchy and in fact many do not (e.g. .RDN, City of Victoria, City of Vancouver, etc.). Suggest removing that paragraph and using the Zero Waste hierarchy instead.

Metro Vancouver

For Climate 2050 -Do not use offsets, instead ensure the plan is developed to eliminate emissions which should: 1. reduce waste, 2. close the incinerator, 3. change to electric or LFG transport, 4. Plan that the next SWMP examines Material Recovery Biological Treatment (MRBT) for remaining waste.

For Liquid Waste -do not plan to burn biosolids. Look to make the biosolids cleaner by reducing contamination at source as well as post collection treatment.

Actions

Add the following:

- License haulers and all processing facilities; develop accountability systems including data reporting and verification (especially for C&D)
- Promote renovation and retrofit options versus newbuilds
- Create a municipal template and toolkit for building removal bylaws that include house moving and deconstruction
- Collect and share data on consumption based emissions (1.4)
- Map out assets that can be shared -community reuse, repair and sharing (Squamish is working on it, Share Reuse Repair has some for the Lower Mainland and Portland, OR is a good example.) -can do this in partnership with RCBC. (goal 2)
- For all actions that say advocate, also add implement where feasible (example 3.1.1)
- Encourage reuse of additional items, encourage the addition of more material in the SUP bans, systems to reduce use of bottled water (goal 3)
- Strategy 3.2 is in the reuse section so it needs to highlight requirements for programs to redesign, reduce, offer repair, longer life spans, supporting reuse, resale, refurbishment, collection of parts, parts availability, etc.
- 3.2.1 include C&D materials
- 3.3.1 and lead by example in MV and municipal projects.
- 3.3 also Set up systems to address costs of material storage (using public land or providing support)
    - Open land uses to recycling and facilitate land for receiving facility use with industrial rezoning and cost reductions
    - Create an environment to increase processing capacity and business opportunities for C&D resources
- 3.3.3.2 add implement, including use of incinerator land for a C&D reuse hub.

- 3.4.2 consider EPR program funding as in France
- 4.1.1 and implement; also support federal initiatives for more clear labelling and reporting
- 4.1.1.1 and the phaseout of non-recyclable or hard to recycle materials or contaminants
- 4.2 add implement a book recycling collection and processing system; implement a furniture collection and processing system.
- 4.2.2 and develop regionally-owned organics processing infrastructure
- 4.2.3 start a wood waste reuse innovation hub instead of burning it; better to phase out plastic-lined paper product and switch to reuse
- 4.3 and for institutions as well
- 4.6.1 and provide technical assistance /coaching
- 4.7.1 and organics facilities
- 4.8.1 mandate use of clear bags
- 4.8.2 instead mandate source separated collection like RDN
- 4.8.4 don't explore, commit to inspect 90% of loads by 2030
- Goal 5 this should not be a goal; the recovery of materials should happen but not for energy and not to direct staff time to this at expense of action above. Eliminate this section, if it still exists -only list ways to recover materials (not energy) and concentrate on getting materials back that should not have been used such as toxics like asbestos and mercury
- 5.1.3 note use of ash is not beneficial but instead a way to spread toxic materials that will be almost impossible to track. It represents risk
- Goal 6 need section for disaster debris (perhaps incentivize disaster preparedness to preserve both life and property; Work with organizations that make decisions during disasters to prioritize waste minimization; Develop regional strategies for managing waste from natural disasters and land use changes)
- 6.1.1 add work with CoV for inspecting almost all loads, and work to decrease the amount of landfill cover and other non-waste materials to the minimum required
- 6.1.2 change to committing to phase out the waste to energy facility by 2030 (and then no longer using waste to energy or incineration by any name). Failing that, commit to best in class pollution emissions levels and testing. Also commit to comprehensive testing for dioxins around the facility overseen by a committee including health authorities, community groups, environmental groups, and local First Nations. Definitely no "promotional tours". Stop the connection to district energy and instead support a truly renewable source of energy for district energy.
- 6.1.3 replace with explore use of other landfills as needed until the waste levels are reduced, ensuring they meet the highest environmental standards.
- 6.2 same as 6.1.3
- 6.3 delete this and commit to not using thermal treatment of waste, including at cement kilns
- 6.3.2 advocate for provincial hauler licensing and data reporting
- 6.4.4 this is regular waste. Instead work to educate the staff and any others on the nature of hospital waste versus biomedical waste (as defined by CSA). It should go in the regular systems. Any issues will be identified through the increased inspection of all loads
- 6.6 add a strategy to address wildlife attractant management (type of bins, timing of set out); also add advocate for litter cleanup to be included as part of EPR program responsibility (like in France)
- Add 6.7 develop ways to increase implementation of pay as you throw

- For all actions, make 10 year timeline and show how they will evolve from testing, encouraging and piloting to revising, implementing, rolling out solutions, partnering, regulating , enforcing (example 4.5.1, 4.6.1.2)

Metro Vancouver's regulatory role
The RDN has proven it is possible for a regional district to be empowered to enact bylaws at the generator and property level.

Example Future Regulatory Enhancements
It is incredibly frustrating that in the over 6 years since the Board committed to renewing the SWMP, Metro Vancouver did not use this time to engage and develop the regulatory enhancements as part of its plan development process. The plan should commit to enacting these rather than just have them as examples. In addition, a reduced disposal ban surcharge for collectors with minimum requirements will just create loopholes and should not proceed.

An additional consideration should be collaborating with neighbouring jurisdictions on regulation.

Recycling and Waste Centre priorities
Table 5 -first bullet add in *Reuse and* recycling before the scale at all facilities
Commit to not using incinerator ash in construction
Look to add options for transit users (not just about drive times)

Contingency Disposal
Should not reference cost unless willing to share actual calculations as misleading.

Future Disposal Capacity
Commit to conducting a residual disposal needs assessment based on the phaseout of the incinerator, a commitment to no thermal treatment for future disposal, ambitious zero waste targets and suitable procurement processes for any external landfills. Use this to help motivate the citizens and organizations to reduce their waste.

Table 6 criteria
Economic should also include opportunity cost, future capital costs
Environmental should also include requirements for comprehensive testing and monitoring of all pollutants.
Regulatory compliance -weak as obviously need to meet regulations. Should be a leader as in "meet or exceed strongest environmental standards globally"
Resource use -delete "energy generation and use…" as will always waste more energy than it took to make the items so should not be a focus, instead look at the potential to understand what remains in the waste and why and ability to decrease the waste; ability to inspect loads, enforce bans, etc.

Financial Overview
Recommend planning to change to have some costs paid by taxes as waste decreases (i.e. plan for success) as otherwise may be hard to fund the ongoing landfill and recycling/organics infrastructure as waste decreases.

Table 7 - Do not include this if not making the full spreadsheet on how this was calculated available as misleading and unproven.
Also note the recycling costs should not be quoted unless also noting how much has been recovered under EPR program or material sales.

All capital costs recent and future (at least next ten years) should be clearly mapped out.

Note comparison to other cities tipping fees is irrelevant unless also comparing services, ambition level and success rate, and other revenue sources (such as taxes, etc.). Also note that none of these are in BC which has a very different regulatory regime to these other jurisdictions.

Regional District Collaboration
The sentence "Waste-to-energy continues to be a cost effective and environmentally responsible method to manage residual garbage, and the facility's contributions of nitrogen dioxide, fine particulates, and anthropogenic (human caused) greenhouses gases are less than 1% of regional emissions" should be removed. All arguments for its cost effectiveness have not been proven. The WTEF is one of the top 25 point sources of GHGs annually and a quick look at the budget shows it will cost as much or more for the WTE facility to manage 25% of the waste than for the other 75%. Dilution is not the answer to pollution so the % of one point source against whole categories of polluters is not relevant. What matters is that this very large source of pollution could easily be eliminated. And that this would then show collaboration with a neighbouring regional district which may open the door to partnership on actual zero waste initiatives.

Risk Analysis
A risk assessment should be done on the continued use of the incinerator from a financial, public health, environmental health, regulatory and pollution mitigation perspectives. This should be done with oversight from independent relevant organizations.

Plan Monitoring
Commit to releasing all consultants' reports (including past ones like the 3Rs study, those done on Multifamily, ICI and C&D and the incinerator condition assessment).

Glossary
Diversion -Add one for diversion which is materials discarded but processed through recycling, composting or anaerobic digestion (plus composting).
Recycling -must exclude use for energy (example refuse derived fuel, burning clean wood waste)
Recover -eliminate energy part to match Zero Waste Hierarchy. Note recovery of materials from unsorted waste that get recycled are counted as recovered, not recycled.
Zero Waste -use ZWIA definition.

PTAC Member Comments on the Draft Solid Waste Management Plan

I appreciate the opportunity to provide comments on the draft Solid Waste Management Plan (SWMP). Overall, I do not consider this to be a bad plan; however, I do consider it to be a conservative one. Given the scale of the stated objectives, particularly with respect to climate commitments, I do not believe the current draft is suficiently ambitious or outcome-driven to deliver the results Metro Vancouver has set for itself.

A plan of this nature should ultimately drive action. In its current form, the SWMP often reads more like a framework or a plan to make future plans, rather than a document that clearly defines what will be done, when it will be done, and what impact those actions are expected to have. My comments focus on four structural gaps that, in my view, materially limit the efectiveness of the plan: (1) the lack of clear linkage between the SWMP and other Metro Vancouver plans, particularly Climate 2050; (2) the absence of clearly defined actions with targets and impacts; (3) an over-reliance on source separation without corresponding enforcement mechanisms, financial drivers, or contingency strategies; and (4) the lack of a clear accountability framework tied to outcomes and cost efectiveness.

1. Linkage to Other Metro Vancouver Plans Is Stated but Not Explained

The draft SWMP does a good job identifying the various Metro Vancouver plans and strategies that are connected to solid waste management, including Climate 2050, air quality management, and the Regional Growth Strategy. However, the plan largely stops at listing these connections and does not explain how the SWMP operationalizes or advances the objectives set out in those other documents.

A clear example of this gap is the relationship between the SWMP and Climate 2050. Climate 2050 explicitly states that future actions to reduce and ofset emissions from solid waste disposal are not included in the Climate 2050 primer, but instead are identified within the Solid Waste Management Plan, with the goal of achieving carbon neutrality for solid waste disposal by 2050. This places a significant responsibility on the SWMP.

However, the draft SWMP does not clearly articulate how its strategies and actions move Metro Vancouver toward that carbon neutrality goal. If carbon neutrality is the objective, then ultimately landfilling and incineration must be eliminated or reduced to near zero. The plan does not clearly describe how Metro Vancouver transitions from today's system to that end state, nor does it define what "zero waste" looks like in practical, operational terms.

I would expect to see a clearer narrative along the lines of: where emissions from solid waste disposal stand today; where they are projected to be without the implementation of this plan; and what measurable impact the SWMP is expected to have on emissions, diversion, and disposal over time. Without that, it is dificult to understand how this plan supports Climate 2050 beyond broad alignment statements.

This lack of clarity also creates internal tension within the plan. For example, Strategy 6.3 states that Metro Vancouver will explore additional long-term disposal capacity if required. While it is realistic to acknowledge that disposal will continue to play a role in the near term, the plan does not explain how ongoing landfill or incineration capacity aligns with a stated objective of carbon neutrality by 2050. The trade-ofs between short-term capacity needs and long-term climate commitments need to be explicitly addressed.

2. A Plan Requires Defined Actions, Targets, and Impacts

Because this is a plan, it should clearly define actions. In its current form, many strategies and actions are described at a high level, but without clearly defined outcomes, timelines, or performance targets. Without those elements, the SWMP risks becoming a plan to develop future plans rather than a document that drives measurable change.

For key actions, I would expect to see clarity on what will be implemented, what the expected impact is, and how success will be measured. This includes targets for waste reduction, diversion, and emissions, as well as interim milestones that allow progress to be tracked over time.

Defining actions in this way is especially important given the ambitious goals referenced elsewhere, such as carbon neutrality. Without clear actions and associated impacts, it is dificult to assess whether the plan is realistically capable of delivering on those commitments.

3. Heavy Reliance on Source Separation Without Enforcement, Financial Drivers, or Contingency

The SWMP places significant emphasis on source separation, which I fundamentally agree with. Source separation is essential and should remain the primary strategy. However, if the plan relies this heavily on source separation, it must also be more explicit about enforcement mechanisms, minimum standards, and financial incentives or penalties that drive behavior change.

Much of the language in the plan focuses on collaboration, encouragement, and support. While these approaches are important, they are generally insuficient on their own to deliver consistent, region-wide outcomes. For example, Action 2.1 refers to collaborating with businesses and institutions to reduce waste at the source, but does not clearly define minimum requirements such as mandatory three-bin systems or standardized separation practices.

Similarly, Action 4.4 refers to making recycling easier by improving convenience, but does not clearly state that all Metro Vancouver residents should have access to a three-bin system, nor does it address consistency in what materials are accepted across drop-of centers. I am also missing a clear application of the polluter-pay principle. In my view, recycling and organics diversion should be free or low-cost, while disposal should become increasingly expensive. Financial signals are among the strongest tools available to influence behavior.

In addition, I believe the plan needs to acknowledge a practical reality: source separation remains a major challenge in multi-residential housing across North America. Metro Vancouver is not unique in this regard, and the plan should not assume perfect participation or outcomes. While source separation should remain the primary pathway, the region also needs an insurance policy.

That insurance policy means continuing to explore and evaluate other treatment and recovery options for residual waste, particularly for streams that are dificult to separate at source. This should include learning from other jurisdictions and working with other communities that are facing similar challenges. A resilient system recognizes that not all waste will be perfectly separated and plans accordingly.

4. Accountability and Outcome-Based Reporting

The final and most significant gap, in my view, is accountability. The plan proposes the creation of a Plan Monitoring Advisory Committee, which is a constructive step. However, the plan does not clearly define how success or failure will be measured, reported, or acted upon.

Metro Vancouver has set ambitious targets in the past, yet those targets are never met. A credible plan should explicitly describe how accountability is enforced when outcomes fall short. At a minimum, reporting under the SWMP should clearly answer the following questions: what was the plan; where are we today; did we meet our targets; if not, why not; what corrective actions are required; and what impact those actions are expected to have.

I also believe actions under the plan should be evaluated based on outcomes and cost efectiveness, not just activity. For example, if an education campaign costs one million dollars per year but only reduces waste by a small amount, it is reasonable to question whether that action should continue or be redesigned. Benchmarking actions based on cost per tonne diverted or emissions reduced would significantly strengthen accountability and decision-making.

Closing

In summary, my comments focus on four areas where I believe the draft SWMP could be materially strengthened: clearer linkage and impact relative to other Metro Vancouver plans, particularly Climate 2050; clearly defined actions with targets and impacts; stronger enforcement, financial drivers, and contingency strategies to support source separation; and real accountability tied to outcomes, targets, and cost efectiveness.

Addressing these gaps would not require a complete rewrite of the plan, but it would significantly improve its credibility and its ability to deliver on Metro Vancouver's stated goals.

William Selten

PTAC member

[redacted]

[redacted]

[redacted]

2026 Solid Waste Management Plan Public/Technical Advisory Committee Action Tracker

To be updated after every Public/Technical Advisory Committee (PTAC) meeting to keep track of the actions or tasks that Metro Vancouver staff are responsible for.

Meeting Date	Requested Action/Item	Assigned Staff	Status
February 19, 2026	• Staff to update Vision and Guiding Principles feedback log errors	Brooke Atkinson	Complete

Solid Waste Management Plan Public/Technical Advisory Committee

2026 Work Plan

Meeting Date: April 2, 2026

An annual work plan for the committee will be developed by Metro Vancouver staff based on deliverables in the solid waste management plan development. The work plan will be reviewed annually by the committee, and will guide development of meeting agendas.

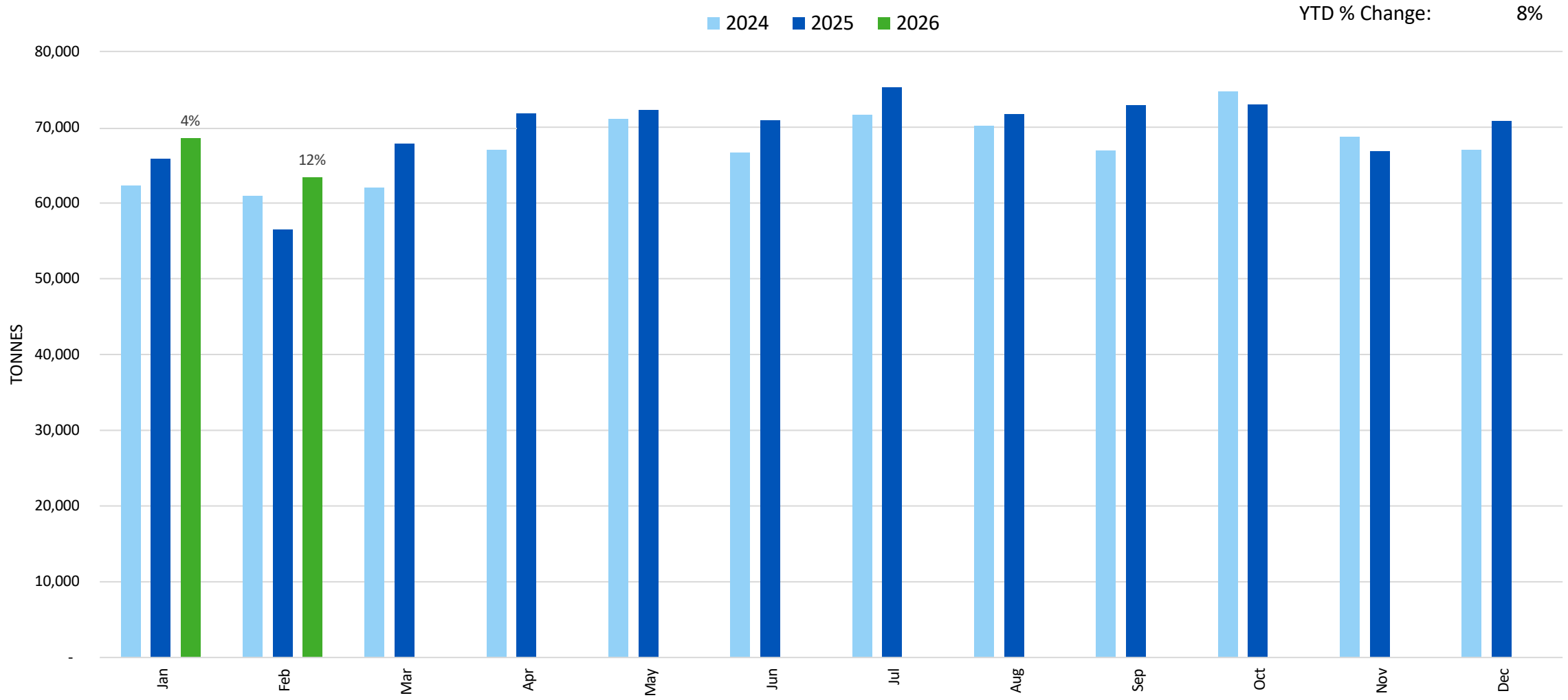
Priorities		
Item	**Status**	**Proposed Meeting Date**
2024 Solid Waste and Recycling Statistics	Complete	January 29, 2026
Solid waste management plan update:		
• Review of the Initial Draft Solid Waste Management Plan - Discussion	Complete	February 19, 2026
• PTAC Member Comments on Draft Plan - Discussion	Complete	February 19, 2026
• Plan Implementation and Reporting – Discussion	In-progress	April 2, 2026
• Revised Draft Plan and Initial Draft Plan Feedback Summary	In-progress	April 2, 2026

2026 Meeting Dates:

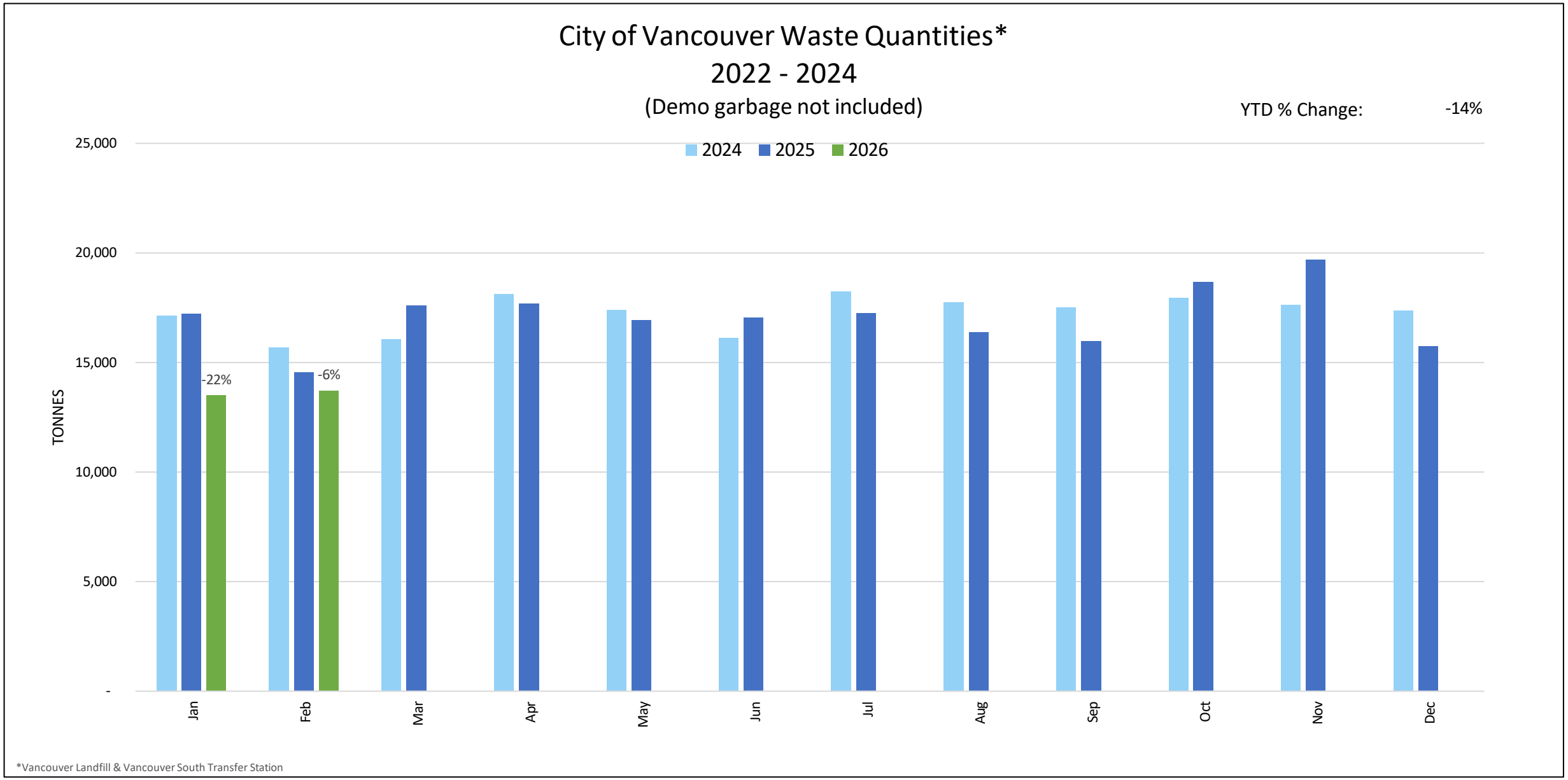
January 29, 2026
February 19, 2026
April 2, 2026

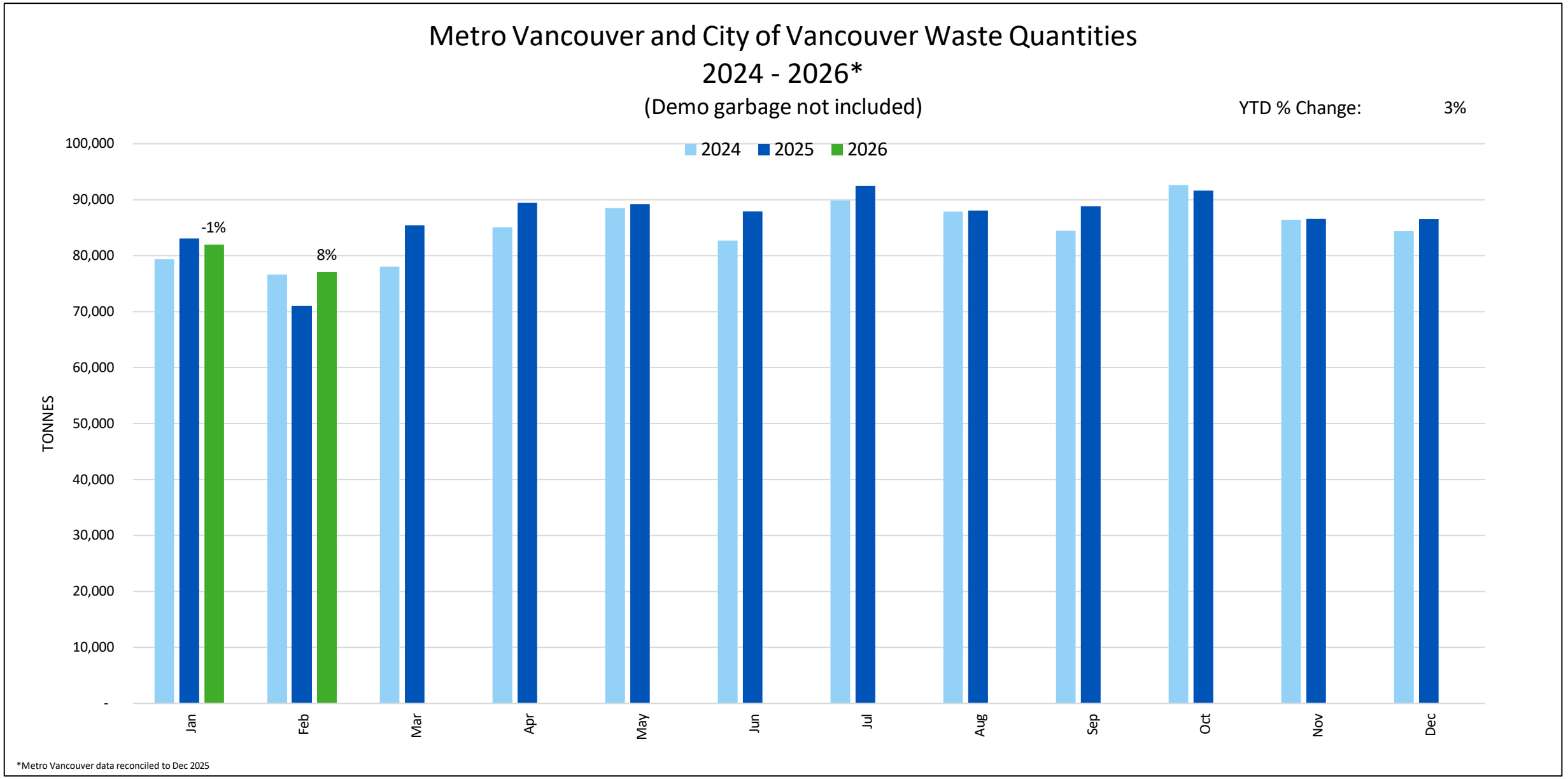
Metro Vancouver Waste Quantities*
2024 - 2026**

Attachment 5



**Data reconciled to Dec 2025
*Metro Vancouver's Six Recycling and Waste Centres & the Waste-to-Energy Facility


City of Vancouver Waste Quantities*
2022 - 2024
(Demo garbage not included)
YTD % Change: -14%
2024
2025
2026
25,000
20,000
15,000
10,000
5,000
-
TONNES
-22%
-6%
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
*Vancouver Landfill & Vancouver South Transfer Station


Metro Vancouver and City of Vancouver Waste Quantities
2024 - 2026*
(Demo garbage not included)
YTD % Change: 3%
2024
2025
2026
TONNES
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
-1%
8%
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
*Metro Vancouver data reconciled to Dec 2025

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

IN-PERSON MEETING

Thursday, February 19, 2026
1:00 pm – 4:00 pm
Metro Vancouver Head Office
Room 2912

A G E N D A

ITEMS	TIME
1. WELCOME • **Independent Consultation and Engagement Panel Member Observers** o Ryan Williams o Celena Benndorf	1:00 pm – 1:05 pm
2. AGENDA	1:05 pm – 1:10 pm
3. PREVIOUS MEETING NOTES **3.1 January 29, 2026** (Attachment 1)	1:10 pm – 1:15 pm
4. DISCUSSION ITEMS	
Solid Waste Management Plan Update: **4.1 Solid Waste Management Plan – Feedback Session on Initial Draft Plan** *Feedback session* *Designated Speakers: Terry Fulton, Senior Project Engineer, Solid Waste Services and Stephanie Liu, Program Manager, Community Engagement Solid Waste Services* **Resources:** Initial draft solid waste management plan Link **Meeting format:** Each member will have up to two minutes to share their overall feedback on the plan. Members will rotate through three small group discussions.	1:15 pm – 3:30 pm
5. INFORMATION ITEMS **5.1 Zero Waste Committee Update** *For information* *Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*	3:30 pm – 3:40 pm

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

6. ADDITIONAL ITEMS **6.1 Action Tracker** (Attachment 2) **6.2 Public/Technical Advisory Committee Updated 2026 Work Plan** (Attachment 3) **6.3 Regional Waste Flows January 2026** (Attachment 4)	3:40 pm – 3:50 pm
7. NEXT STEPS	3:50 pm – 4:00 pm

Attachment 1: Draft Meeting Notes – January 29, 2026 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Public/Technical Advisory Committee 2026 Work Plan

Attachment 4: Regional Waste Flows January 2026

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

February 19, 2026
In-Person Meeting
1:00 pm – 4:00 pm

MEETING NOTES

The Meeting Notes of the Public/Technical Advisory Committee (PTAC), held in person at the Metro Vancouver – Head Office. The meeting commenced at 1:00 p.m. Pacific Time on Thursday, February 19, 2026.

Attendees: Director Kirby-Yung (Chair), Director Hodge (Vice-Chair), Allen Lynch, Amika Watari, Ben Liegey, Brenda Martens, Christoph Schultz, Gil Yaron, Jamie Kaminski, Jennifer Henry, Komal Fatima, Louise Schwarz, Marcelle Moreira dos Santos, Raman Johal, Sarah Scanlan, Sean Miles, Sue Maxwell, Tara Immell, William Selten

Absent: Adelyn Chan, Bill Chan, Cassidy vander Ross, Cody Irwin, Daryl Foster, Daniel Rotman, Daryl Foster, Doug Schell, Grant Hankins, Jake Turek, Jaye-Jaye Berggren, John Doherty, Kevin Huang, Matthew Morin, Micheal Zarbl, Stephanie Voysey, Ulwiana Metha-Malhotra

Metro Vancouver Staff: Brooke Atkinson, Chris Allan, Chris Underwood, Karen Storry, Paul Henderson, Stephanie Liu, Terry Fulton, Joanne Gauci, Faith Sabourault, Alec Wu, Kelly Du

Independent Consultation and Engagement Panel Members: Celena Benndorf, Ryan Williams

1.	**WELCOME** The Vice-Chair, Director Hodge, welcomed PTAC members and introduced Independent Consultation and Engagement Panel member, Celena Benndorf and Ryan Williams. Staff welcomed members and noted that the session format was informed by feedback from the previous meeting and follow-up emails.	Vice-Chair
2.	**AGENDA** • The Vice-Chair, Director Hodge, presented and reviewed the February 19, 2026 meeting agenda.	Vice-Chair
3.	**PREVIOUS MEETING NOTES** • Reviewed January 29, 2026 meeting notes and there were no additions raised; notes were accepted as provided.	Vice-Chair

4.	**DISCUSSION ITEMS**	Vice-Chair
	Each PTAC member spoke for up to 2 minutes to describe their main feedback on the initial draft solid waste management plan. Themes from the round-robin are summarized in Attachment 1, and the one-pager feedback that PTAC members submitted is Attachment 2. Some feedback from the round-robin included detailed feedback, and is included in Attachment 1: • Phase out the Burnaby Waste-to-Energy facility, with an aligned disposal strategy and transparent capital cost implications. • Set specific, time-bound, sector-specific targets (incl. per-capita waste and food-waste targets) with secondary metrics and benchmarks. • Provide transparent budgets, clear implementation timelines, and adaptive management check-ins. • Keep the plan progressive, with measurable actions, clear governance alignment, and solution pathways. **Solid Waste Management Plan Update:** **4.1 Feedback Session on Initial Draft Plan** Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, presented the initial draft plan's vision, consisting of 6 goals, 30 strategies and 117 actions. Staff thanked members for ongoing contributions to the Solid Waste Management Plan process and outlined the session structure: • Two rounds of small-group table discussions with rotating participation • Note-taking support at each table • Prompting questions to identify what is working, what is missing, and what should be strengthened • Opportunity for plenary report-back Staff advised that a revised draft plan is being prepared for Zero Waste Committee consideration. Staff also advised that the revised package is expected to include: • A blackline version showing changes from the January 22 initial draft • A summary of key changes • Documentation of engagement inputs received during this phase (including PTAC submissions and meeting feedback) ▪ A member asked whether the "waste reduction" target refers only to materials sent for disposal or the broader discard system. Staff clarification: The reduction target applies to discards across the system (recycled and disposed), not disposal alone. Members participated in breakout discussions across table topics (targets/metrics,	PTAC Members

	residual management strategy, regulatory strategy, and an overflow table). **Small groups topics were:** ▪ Targets and Metrics ▪ Residual Management Strategy ▪ Regulatory Strategy ▪ Overflow (Financial overview, definitions, plan monitoring, recycling and waste centre strategy, disposal actions) **The following questions were discussed in the breakout groups:** • What is the most important issue in this topic area? • What is working well in the draft plan? • What is missing? • What needs to be strengthened? A summary of the feedback from the small group discussions is provided in Attachment 1. Some feedback heard in the small group discussions included: • Need for stronger, clearer regulations on what can be recycled, how materials must be handled, and increasing disposal ban inspections to reduce contamination levels. • Establish a budget and implementation schedule for each action, along with an assessment of projected impacts, to support transparent prioritization and resource allocation. • Acknowledge that the upper tiers of the hierarchy are transformative and less easily quantified, while committing budget and effort toward improving measurement to ensure meaningful action can still be tracked and evaluated. • Develop more detailed, sector-specific metrics, particularly for the commercial and institutional sectors, to better reflect differences in waste generation and diversion potential. • Need stronger support for circular economy entrepreneurs. Missed opportunity to be more ambitious and invest in land for circular economy facilities and innovation.	
	5. INFORMATION ITEMS **5.1 Zero Waste Committee** Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided an update on the February Zero Waste Committee meeting.	Paul Henderson
	6. ACTION/STANDING ITEMS **6.1 Action Tracker** **6.2 Public/Technical Advisory Committee Updated 2026 Work Plan** **6.3 Regional Waste Flows January 2026**	Brooke Atkinson
	7. NEXT STEPS Staff reminded members that written feedback (including one-pagers) is requested by end of day Friday, February 20, 2026, to allow consolidation of comments into the revised draft and supporting materials. Staff provided information regarding posting and sharing member submissions:	Brooke Atkinson

	• Notes from the session will be posted online. • PTAC member one-pagers will be compiled into a single PDF and posted to the PTAC website. • Members will receive an email with the link. • Members may also submit feedback through the plan website's online discussion board. Staff advised members of the PTAC the following meeting schedule changes: • The March 20, 2026 PTAC meeting will likely be cancelled. • A final PTAC meeting will be scheduled for April 2, 2026 (in-person, not hybrid) with Zero Waste Committee members invited.	
	8. ADJOURNMENT The Vice Chair thanked the members and for their participation and contributions. The meeting adjourned with an invitation to reconvene on April 2, 2026.	Vice-Chair

Attachment 1: Plenary Round-Robin and Small Group Discussion Summary – Solid Waste Management Plan Update Initial Draft – PTAC February 19, 2026

Attachment 2: PTAC Member one-pagers – Feedback on Initial Draft Plan

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Solid Waste Management Plan Update: Initial Draft
Solid Waste Management Plan Public/Technical Advisory Committee Feedback Session

Thursday, February 19, 2026
Metro Vancouver – 4515 Central Boulevard, Burnaby
29 Floor, Room 2912

Metro Vancouver is updating its regional solid waste management plan, building on the strengths of the current plan and identifying ways to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and advance a circular economy. Metro Vancouver is currently receiving feedback on the initial draft solid waste management plan.

On February 19, 2026, Metro Vancouver held a feedback session on the initial draft plan at a Solid Waste Management Plan Public/Technical Advisory Committee meeting. The session included two components – a round-robin opportunity for each member to provide a few words summarizing their main feedback on the initial draft plan, followed by small-group discussions.

Prior to the meeting, Metro Vancouver polled members to identify priority parts of the plan for small group discussion. Final small group topics were:

- Residuals Strategy
- Regulatory Strategy
- Targets and Metrics
- Overflow (Financial Overview, Definitions, Plan Monitoring, Recycling and Waste Centre Strategy, Disposal Actions)



SUMMARY OF FEEDBACK

Below are highlights from feedback at the session, categorized by the small group topics. Feedback will be considered as the draft is revised in preparation for providing to the Zero Waste Committee and GVS&DD Board. Following Board consideration, there will be an additional opportunity for comment prior to submission of the draft to the Ministry of Environment and Parks for approval.

THEMES FROM ROUND-ROBIN **(each member provided up to 2 minutes summary of their main feedback on the initial draft plan)**
• **Definitions & Scope:** Lock in precise definitions (recycling, diversion, recovery, circularity, "waste" as a verb rather than a noun), explicitly anchoring to Zero Waste hierarchy (incl. "rethink") and circular economy. • **Stronger, Mandatory Regulation:** Move beyond pilots/soft language and tighten disposal bans, require region-wide source separation, and expand inspection/enforcement (incl. private sector/construction and demolition). • **Residuals Strategy & Waste-to-Energy:** Phase out the Burnaby Waste-to-Energy facility, with an aligned disposal strategy and transparent capital cost implications. • **Targets & Metrics:** Set specific, time-bound, sector-specific targets (incl. per-capita waste and food-waste targets) with secondary metrics and benchmarks. • **Monitoring & Enforcement**: Expand progress reporting (esp. food waste), do region-wide spot checks on residential curbside (e.g., clear bags), and apply consistent penalties. • **Reuse/Repair/Circular Infrastructure:** Scale deconstruction, reuse, repair cafés/reuse days, house relocation; enable reuse at depots; fund non-profits and innovators. • **Budget, Resourcing & Timelines:** Provide transparent budgets, clear implementation timelines, and adaptive management check-ins. • **Equity & Access:** Ensure services work for residents without cars, (i.e. provide limited bulky-item pick up for supported housing) to reduce service inequities. • **Education & Consistency:** Unified regional messaging, simpler public materials; consistency across municipalities (e.g., multi-family housing recycling rooms). • **Regional Roles & Collaboration:** Greater clarity on Metro Vancouver's support to municipalities (Plan section 4.2 & 4.4), extended producer responsibility roles/classifications, and retail/institutional/commercial partnerships. • **Climate & Health:** Tie actions to consumption-based emissions and human health outcomes; make environmental outcomes explicit. • **Plan Ambition & Governance:** Keep the plan progressive, with measurable actions, clear governance alignment, and solution pathways.

REGULATORY STRATEGY

What needs to be strengthened?

- **Need for Stronger, Clearer Regulations**
  - Need specific, concise regulations to reduce waste and improve clarity.
  - Clear guidelines on what can be recycled, how materials must be handled, and increasing disposal ban inspections to reduce contamination levels.
- **Enhanced Enforcement & Disposal Bans**
  - Strengthen implementation and enforcement of disposal bans (including at Waste-to-Energy facility).
  - Make enforcement consistent across all facilities and municipalities.
- **Financial Accountability & Incentives**
  - Use fines, load rejections, and tipping fee adjustments to create meaningful consequences.
  - Fines should motivate both haulers and site management to change behavior.
  - Increasing tipping fees may further incentivize proper waste separation.
- **Pay-as-you-throw & Clear Bags**
  - "Pay-as-you-throw" models used in Europe or mandatory clear bags could increase accountability but risk illegal dumping if residents don't want to participate.
  - Clear bags as a potential tool for simplifying inspection and preventing cheating.
- **Hauler Responsibility**
  - Haulers must take responsibility for contaminated loads and educate customers.
  - Clear mechanisms are needed so haulers cannot avoid responsibility or push back.
  - If contamination persists, haulers should face increased costs or lose customers due to higher service fees.
- **Source Separation as Core Strategy**
  - Mandatory source separation across all streams (organics, recycling, garbage).
  - Keep the system simple, enforceable, and uniform across municipalities.

What is missing?

- **Targeted Campaigns & Behaviour Change**
  - Consider phased campaigns focusing on one priority material at a time (e.g., organics).
  - Regulations and communication campaigns must work together.
  - Long-term education is required for residents to understand and adopt waste reduction habits.
- **Metro Vancouver's Role**
  - Metro should maximize its enforcement powers at regional facilities.
  - Could also track sector performance, redirect budgets strategically, and hold municipal members accountable.
- **Strengthening Construction & Demolition Oversight**
  - Learn from places like San Francisco: license haulers and receivers more thoroughly, audit them, and track recycling performance.
  - Increase transparency around actual construction & demolition waste volumes and practices.
  - Current construction & demolition targets and reporting lack accuracy and clarity.
- **Clear, Accessible Regulations**
  - Residents and businesses face confusion about what can be recycled.
  - Regulations should specify recyclable materials clearly, with stronger supportive language.

- Need simpler, more accessible information resources, currently there are too many existing and it causes confusion for residents.

- **Linking Policies Across Sectors**
  - Connect food policy, climate policy, and waste policy for mutual benefit.
  - Clarify roles for municipal, regional, and provincial governments.
- **Clarifying Metro Vancouver's Regulatory Authority**
  - Include a clear list of what Metro *can* and *cannot* regulate.
  - Identify where provincial or federal leadership is necessary (e.g., food waste reduction incentives).
- **Data Transparency & Public Reporting**
  - Strengthen open-data reporting to track progress on goals, budgets, and performance.
  - Provide easy-to-understand visual summaries of waste data available online.
  - Use accessible language to build trust and communicate results effectively to the public and to businesses.

What is working well in the draft?

- **Events & Waste Reduction**
  - Advocate for mandatory source separation at events.
  - Currently Metro Vancouver does provide toolkits, budget planning guides, and checklists to support organizers, these could be strengthened.
  - Metro Vancouver can establish/coordinate best practices even if it cannot legislate event-specific bylaws.
- **Effective Use of Regulation to Drive Diversion**
  - Organics disposal ban demonstrates regulation's ability to dramatically improve diversion.
  - Industry resistance is common, so incentives and penalties must be balanced.
  - Encourage compliance through business licensing tied to recycling/diversion plans.

TARGETS AND METRICS

What is the most important issue in this topic area?

- **Need for Clear, Specific, and Measurable Targets**
  - Set defined, sector-specific, and/or explore material-specific targets.
  - Differentiate impact across initiatives/events and across commercial/ICI sub-sectors.
- **Alignment Between Goals, Metrics, and Measurement**
  - Targets only work if they are paired with coherent metrics and consistent measurement frameworks.
- **Precision in Language and Intent**
  - Terms like "climate neutral" may be misunderstood and should be refined for accuracy and clarity.
- **Ambition and Resourcing**
  - Goals should be more ambitious, and the budget should reflect the scale of desired impact.

What is working well in the draft?

- Establishing a coordinated policy framework by collaborating closely with municipalities.
- Strengthening the waste-reduction hierarchy through the inclusion of a new "rethink" tier.

What is missing?

- Develop more detailed, sector-specific metrics, particularly for the commercial and institutional sectors, to better reflect differences in waste generation and diversion potential.
- Define clear metrics for each tier of the waste-reduction hierarchy, ensuring consistent measurement from "rethink" to disposal.
- Establish a budget and implementation schedule for each action, along with an assessment of projected impacts, to support transparent prioritization and resource allocation.
- Expand the regenerative design approach demonstrated in construction and explore how similar principles could be applied across other waste streams.
- Provide specific actions and pathways toward climate neutrality, including methodologies and assumptions.
    - Demonstrate the climate benefits of reduced waste generation by quantifying associated decreases in carbon emissions.
- Enhance reporting practices by presenting progress-to-date against targets, with a clear mechanism to adjust or pivot when performance is below expectations.
- Allocate dedicated land and infrastructure to support repair, reuse, reduction activities, and material recovery—particularly for high-value materials such as wood.
- Acknowledge that the upper tiers of the hierarchy are transformative and less easily quantified, while committing budget and effort toward improving measurement to ensure meaningful action can still be tracked and evaluated.

What needs to be strengthened?

- Assess the economic value of items repaired at repair events, rather than focusing solely on the number of items repaired, to better illustrate the financial and environmental benefits of repair.
- Strengthen and expand reuse initiatives, ensuring they play a more prominent role in the waste-reduction hierarchy.
- Shift terminology from "pilot" or "testing" to "policy" and "regulation" to signal commitment, maturity of approach, and long-term implementation.
- Revisit the construction recycling rate, noting that including concrete inflates the overall recycling percentage and may not accurately represent true material recovery performance.
- Increase transparency around recycling processes by clearly distinguishing between materials that are collected and those that are actually recycled, processed, or reused.

Questions asked:

- How did the metrics and targets get derived, did they incorporate increased reduction habits or is it solely based on reduction of just waste (waste composition)?
    - Metro Vancouver Response: The metrics and targets were derived using a combined analysis of annual report data as well as waste composition.

- Are we counting repair metrics?
    - Metro Vancouver Response: We track number of items repaired at cafes but noticed that requesting data deters municipalities from hosting repair cafes.
- What is the source of the climate-neutral actions, and can the associated calculations be shared?
    - Metro Vancouver Response: This is in the Solid Waste Primer, under Metro Vancouver's Climate 2050 strategy.
- To what extent do the proposed waste-reduction targets contribute to achieving climate neutrality by 2050?
    - Metro Vancouver Response: Detailed modeling and emissions-reduction calculations are in progress to verify the degree of alignment with the 2050 climate-neutral objective.

RESIDUALS STRATEGY

What is the most important issue in this topic area?

- Haven't done a deep dive mapping of what to do with waste.
- Many targets are to 2050. What seems missing is a deep dive on capacity, assets needed, costs to manage waste in that timeframe.
- Plan should also account for disaster debris planning.
- Health authority waste is disposed to the Waste-to-Energy (WTE) facility instead of to landfill. This requires contingency planning when WTE is down. Metro Vancouver should explore options.
- Social criteria of the draft Technical Criteria for Evaluation Residual Waste Management Options should consider benefits of appropriate disposal of healthcare waste and address public perception and impact on public health.
- The strategies under Goal 6 should consider treatment of niche waste streams
- Europe considers WTE as a pretreatment to landfill. Look at other pretreatment options instead.
- Look at specific issues such as organics creating methane in landfill, and what is created when waste is burned.
- Why is the plan considering additional disposal capacity? Previously MV had said that increasing WTE capacity would not be considered.
    - Technical criteria for evaluating residual management options is included in the plan if additional capacity is required during the life of the plan.

What is working well in the draft?

- Material recycled is quite significant
- Vancouver Landfill is managed well (testing, etc.)
- Shows ongoing commitments based on what MV is already doing

What needs to be strengthened?

- **Financial and Economic Considerations**
    - Shift spending from disposal toward zero-waste investments; highlight the opportunity cost of disposal-focused spending.

- Strengthen analysis of capital, operating, and full lifecycle costs.
- Re-evaluate contingency disposal pricing, consider alternative RFP approaches for better value.
- Question keeping waste in Metro Vancouver at all costs, suggest closing WTE, paying more for contingency disposal, and reinvesting savings into waste reduction.

- **Regulatory, Testing, and Compliance**
  - Implement stronger regulatory standards, following leading jurisdictions.
  - Add a robust testing program near WTE facilities (river sediment, soil, residential impacts).
  - Expand pollutant monitoring requirements and clarify what must be measured.
  - Advocate for provincial hauler licensing and standardized data reporting.
  - Improve enforcement of disposal bans, supported by better load inspection tools (e.g., clear bags).
- **System Design, Facility Operations, and Waste Handling**
  - Clarify what resources remain in waste streams and why.
  - Separate landfill and WTE in Strategy 6, because their impacts differ significantly (e.g., plastics behave differently in each).
  - Consider burnable vs. non-burnable separation like Japan.
  - Add industry expert consultation to residuals management strategy.
  - Provide more reuse opportunities at Recycling & Waste Centres (e.g., reuse days, bike reuse).
  - Add ability to capture reusable materials during disposal processes (Table 6).
- **Contingency Disposal + Definitions**
  - Describe contingency disposal facilities, locations, and costs more clearly.
  - Add "contingency disposal" to the glossary and distinguish it from "remote landfills."
- **Public Education, Behaviour Change, and Inspection**
  - Increase education around biomedical vs. standard hospital waste; most hospital waste should go to landfill with proper inspection.
  - Add wildlife-attractant management (e.g., bear-related issues in Coquitlam).
  - Include aggressive reduction targets, enforcement mechanisms, and measures to address potential illegal dumping.
  - Add actions to incentivize behavior change, currently incentives for residents are weak; consider reviewing residential bin fee structures.
  - Promote reuse in addition to recycling, aligning with the waste hierarchy.
  - Improve public understanding of metrics, scale, baseline, and relevance matter.
- **Policy Advocacy**
  - Advocate for extended producer responsibility for tires on rims.
  - Metro Vancouver should lead in waste labeling and reducing misclassification.
- **Communication and Program Strategy**
  - Reconsider tours and communications that overly promote WTE without discussing negative impacts; shift emphasis toward zero-waste education.
  - Recognize that reuse is currently under-emphasized in referenced strategies and needs stronger integration.

Additional Feedback

- What are we doing about reducing soil disposal?
  - Metro Vancouver Response: There is specific action to minimize soil taking up space at the Vancouver Landfill.

- What is the risk and cost incurred if targets are missed?
    - Metro Vancouver Response: Cost differential can be applied to methods to decrease waste.
- The value of landfill space preserved for as long as possible should be considered FVRD did triple bottom line analysis of landfill space.
- What are the beneficial use opportunities for bottom ash?
    - Metro Vancouver Response: Cement plant opportunity to substitute for raw materials. 90% of bottom ash could be used.
- Against beneficial use of bottom ash. Look at best practices to minimize potential toxins from bottom ash.

OVERFLOW
(Financial Overview, Definitions, Plan Monitoring, Recycling and Waste Centre Strategy, Disposal Actions)

What is working well in the draft?

- Appreciate seeing that there will be a plan monitoring committee – next iteration of this group to keep the plan in motion.
- Appreciate Strategy 4.6 and section on tailored recycling information.
- Recycling and Waste Centre Strategy – good to see drive time / consistent services across locations identified.

What is missing?

- Could plan monitoring include focus on adaptive management?
- Could we include public consultation at the plan monitoring phase?

What needs to be strengthened?

- Need better strategy around multi-family. Can we consider regulatory or financial mechanisms to get strata companies supporting diversion better?
- Need more space allocated for sharing/repairing/reuse as well as diversion in multi-family.
- Appreciate there is strategy for extended producer responsibility (EPR) but maybe consider stronger language for consistent EPR. E.g., try to expand on actions 3.2.4. and 3.2.6.
- Need stronger support for circular economy entrepreneurs. Missed opportunity to be more ambitious and invest in land for circular economy facilities and innovation.
- Budget cycle is an issue. How can we fund those working in this space, like through accelerators?
- Would help to have more details on the funding/budget. Have a high-level overview and then budget table but no description of different sections in the budget.
- Need something stronger around contamination/source separation.

Other feedback:

- We need the ability to hear feedback and see updates after one-pagers submitted.

Questions asked:

- Can we put collection facilities at transportation stations, like Skytrain?

    - Metro Vancouver Response: This would require dealing with another entity and having bins where there are large amounts of people, which may not be practical and may pose a security risk.
- What is the engagement budget covering in future years when not in plan development phase?
    - Metro Vancouver Response: It would cover engagement related to plan implementation.
- Can you provide overview of the finances?
    - Metro Vancouver Response: The Board receives a five-year forecast but only approves budgets on a year-to-year basis as we can't fetter future Boards. Can't run deficit budgets.
- Is the economic system at risk?
    - Metro Vancouver Response: Our model is slightly different from other municipalities. Metro Vancouver has a Tipping Fee Bylaw which contains a Generator Levy provision that provides funding to the core parts of the regional system for waste that is taken outside of the Metro Vancouver system for disposal.
- Can the private sector purchase their own landfill?
    - Metro Vancouver Response: Land availability and costs in region are likely prohibitive. Accessibility issues to access landfills outside of the region (road access/border issue).
- Has there been a procurement of land for a new landfill?
    - Metro Vancouver Response: No.
- Does Metro Vancouver have pop-up recycling events?
    - We work with member jurisdictions on this – e.g., we worked with Surrey to have drop off for Surrey residents. Increases awareness in community and numbers ramp up as a result after the events.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

ONLINE MEETING

Thursday, January 29, 2026
1:00 pm – 3:00 pm
Zoom

A G E N D A

ITEMS	TIME
1. WELCOME • **Independent Consultation and Engagement Panel Member Observers** o Celena Benndorf	1:00 pm – 1:05 pm
2. AGENDA	1:05 pm – 1:10 pm
3. PREVIOUS MEETING NOTES **3.1 November 20, 2025** (Attachment 1)	1:10 pm – 1:15 pm
4. UPDATE ITEMS • **Vancouver Landfill Update**	1:15 pm – 1:20 pm
5. DISCUSSION ITEMS	
Solid Waste Management Plan Update: **5.1 Solid Waste Management Plan – Review of the Initial Draft Plan – Discussion** *Plenary discussion and Q&A* *Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services* o Initial draft solid waste management plan Link	1:20 pm – 2:20 pm
5.2 2024 Solid Waste and Recycling Statistics *For information and Q&A* *Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services*	2:20 pm – 2:35 pm
6. INFORMATION ITEMS **6.1 Zero Waste Committee Update** *For information* *Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*	2:35 pm – 2:45 pm

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

6.2 Public Presentations to Independent Consultation and Engagement Panel – Options Analysis *For information* *Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services*	
7. ACTION/STANDING ITEMS **7.1 Action Tracker** (Attachment 2)	2:45 pm – 2:50 pm
8. ADDITIONAL ITEMS **8.1 Updated Performance Metrics Report – Stantec** Link (Attachment 2) **8.2 Detailed Calculation of Targets and Metrics for the Solid Waste Management Plan Update** Link **8.3 Residuals Waste Management Options Report** Link **8.4 Public/Technical Advisory Committee Updated 2026 Work Plan** (Attachment 3) **8.5 Regional Waste Flows December 2025** (Attachment 4)	2:50 pm – 2:55 pm
9. NEXT STEPS	2:55 pm – 3:00 pm

Attachment 1: Draft Meeting Notes – November 20, 2025 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Public/Technical Advisory Committee 2026 Work Plan

Attachment 4: Regional Waste Flows December 2025

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE

January 29, 2026
Online/Hybrid Meeting
1:00 pm – 3:00 pm

MEETING NOTES

The Meeting Notes of the Public/Technical Advisory Committee (PTAC), held online over Zoom and in-person at Metro Vancouver – Head Office. The meeting commenced at 1:00 p.m. Pacific Time on Thursday, January 29, 2026.

Attendees: Director Kirby-Yung (Chair), Director Hodge (Vice-Chair), Adelyn Chan, Amika Watari, Ben Liegey, Bill Chan, Brenda Martens, Cassidy vander Ros, Christoph Schultz, Cody Irwin, Daniel Rotman, Daryl Foster, Doug Schell, Jake Turek, Jamie Kaminski, Jennifer Henry, Louise Schwarz, Marcelle Moreira dos Santos, Raman Johal, Sarah Scanlan, Sean Miles, Sue Maxwell, Tara Immell, William Selten

Absent: Allen Lynch, Gil Yaron, Grant Hankins, Jaye-Jaye Berggren, John Doherty, Kevin Huang, Komal Fatima , Stephanie Voysey, Ulwiana Mehta-Malhotra

Metro Vancouver Staff: Chris Underwood, Karen Storry, Paul Henderson, Stephanie Liu, Terry Fulton, Faith Sabourault, Vanessa Hatten, Samantha Joy

Independent Consultation and Engagement Panel Members: Celena Benndorf

1.	**WELCOME** The Chair, Director Sarah Kirby-Yung, welcomed PTAC members and introduced Independent Consultation and Engagement Panel member, Celena Benndorf.	Chair
2.	**AGENDA** The Chair, Director Sarah Kirby-Yung, presented and reviewed the January 29, 2026 meeting agenda.	Chair
3.	**PREVIOUS MEETING NOTES** Reviewed November 20, 2025 meeting notes and there were no additions made.	Chair

4.	**UPDATE ITEMS**	Chair
	4.1 Vancouver Landfill Update • On January 22, 2026, Metro Vancouver issued a media release announcing that a new agreement with the City of Vancouver and City of Delta has been finalized to extend the life of the Vancouver Landfill until approximately 2050. • Without this agreement, the landfill could have closed as early as 2030. The agreement provides greater long-term certainty for regional waste management planning and supports system stability. • Key benefits include avoided tipping fee increases, continued access to disposal capacity within the region, and avoidance of higher costs associated with alternative disposal options. • There will be no significant additional environmental impacts as a result of extending the life of the landfill, as there is no change to the landfill's previously agreed height and area	Paul Henderson
5.	**DISCUSSION ITEMS**	Chair
	5.1 Solid Waste Management Plan – Review of the Initial Draft Plan – Discussion Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, walked the committee through the initial draft solid waste management plan. **The following summarizes comments and questions by members with respect to their review of the initial draft solid waste management plan.** • Importance of confirming the plan's overarching goals before discussing proposed mechanisms and actions. Concerns were raised that several mechanisms described in the draft do not clearly drive the stated primary goal of waste reduction. • Inconsistency in key definitions, including how "recycling," "recovery," and related terms are used and positioned within the waste hierarchy. Members stated that perceived loopholes should be addressed and that definitions should be clarified to reduce ambiguity. • Draft reads more like a high-level strategy than a detailed implementation plan. Concerns were raised about the lack of: o sector-specific targets and near-term milestones (e.g., 5- and 10-year targets); o clear timelines sequencing when actions will occur; o detail implementation describing how targets will be achieved (including enforcement, standards, and financial drivers); and o a budget or cost framework showing estimated costs, funding approach, and allocation across levels of the hierarchy (including future costs, not only current/past costs). • More detail on enforcement and compliance, noting the plan includes many strategic or aspirational goals but provides limited clarity on how	Terry Fulton

Metro Vancouver would ensure compliance during implementation, including minimum standards, inspection capacity, and enforcement tools.

- Expressed concern with respect to the continued role of the Waste-to-Energy Facility, particularly considering the extension of Vancouver Landfill disposal capacity. Some members indicated the Waste-to-Energy Facility is no longer needed and noted concerns regarding long-term liabilities. Members also expressed concern that the draft language could be interpreted as allowing for additional waste-to-energy capacity in the future.
- Raised concerns that the targets are not ambitious enough, particularly on prevention and reduction and noted the Regional District of Nanaimo's solid waste management plan as an example with concrete and ambitious goals and targets
- Some targets extend beyond the plan's actionable timeframe and recommended establishing interim targets comparable to (or stronger than) the previous plan.
- The term "zero waste" was not referenced in the plan.
- The draft includes goals related to recovery and disposal that should be minimized, and that recovery pathways involving fuel production or combustion should be treated as disposal, as they reflect upstream system failures.
- Food waste was identified as an area requiring strengthening. Members requested:
    - clearer definitions of preventable vs. non-preventable food waste;
    - clearer alignment with broader food waste frameworks (including reference to sustainable development goals, where applicable); and
    - stronger articulation of actions across the food lifecycle.
- Requested a clearer definition of "carbon neutral" in the context of the plan, including scope and boundaries, and how it relates to waste sector emissions.
- Supported the establishment of a plan monitoring/advisory committee and emphasized that progress reporting should be public, transparent, and disaggregated (e.g., reported separately for sectors such as commercial/institutional, construction & demolition, and residential), rather than consolidated in a way that obscures performance in specific areas.
- Raised implementation questions about hauler licensing and disposal ban enforcement, including the need for clearer requirements and specificity regarding:
    - load inspection processes and capacity
    - use of clear bags to improve visibility of materials entering disposal facilities
    - clarity on how surcharges would be applied or reduced, and under what criteria

- Effective past system changes (e.g., disposal ban programs and collection system shifts) indicate that regulatory tools can be among the most effective levers and asked whether the draft plan includes sufficient regulatory actions, including mandatory source separation and access to recycling.
- Percentage-based targets be converted to metric tonnes to improve clarity and interpretability.

Metro Vancouver Staff Response:

- The plan is intended to establish goals and targets, with budgeting to be integrated through Metro Vancouver's broader budgeting processes as implementation proceeds. Staff noted that estimating costs at a detailed activity level in advance can be challenging and indicated they would consider requests for additional costing detail.
- The regulatory strategy is structured to identify priorities, with specific regulatory actions requiring additional development and engagement during plan implementation due to their complexity and scale.
- Feedback from other advisory bodies indicated some targets were viewed as overly aggressive, and that the intent is to include actions that are achievable. Staff indicated that while the draft includes long-term targets (2040/2050), shorter-term targets would be interpolated from those long-term targets following plan approval.
- In response to the request to convert percentages to metric tonnes, staff confirmed that tonnage figures are included in the draft plan.
- Disposal options and associated cost considerations will depend in part on findings that emerge during implementation.

Additional Member Comments and Staff Responses:

- The plan should contain indicative costing, suggesting the use of historical costs from similar initiatives over the past decade to provide ballpark estimates. Members noted that approximate costs — even with a margin of error — would support assessment of feasibility, comparison of action effectiveness, and prioritization.
- Concerns about whether provincial guidance requires inclusion of costing and whether the current draft would meet provincial expectations.
- Additional review time and proposed a structured approach for the next meeting, including:
    - PTAC members submitting one-page written feedback in advance
    - a round-robin format to ensure all members are heard
    - consolidating PTAC input into a document representing committee feedback.

- Requested clarification on the review and decision timeline, including opportunities to comment on revised drafts and how to engage with the Zero Waste Committee.
    - Staff response: Staff outlined that the initial draft is open for comment until February 20, with an updated draft to be prepared for the Zero Waste Committee on March 5, followed by Board consideration later in March. Staff advised there would be an additional comment period on the revised draft in April/May, with submission to the Minister targeted for June.
    - Staff also noted that a blacklined version would be provided for March, and that there is an opportunity for members of the public to delegate to the Zero Waste Committee meeting. Staff indicated they would notify PTAC members when the agenda is published and provide information on the delegation process.

5.2 2024 Solid Waste and Recycling Statistics
For information and Q&A – Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

Member Comments and Questions and Staff responses:

- Requested information on relative timelines for data collection. Staff explained that scale data is the quickest to collect, while extended producer responsibility program product-level reports take the longest, as they are typically not finalized until summer or early fall. Once received, the data is modeled and compiled for reporting.
- Asked how reporting would be structured once the Solid Waste Management Plan is approved.
    - Staff response: Staff noted that approval of the previous plan resulted in additional reporting requirements and encouraged members to provide feedback on any gaps or areas where greater specificity in reporting would be beneficial.
- Asked whether the statistics presented indicate that the region has achieved the objectives of the current plan, noting that the region is nearing the end of the existing planning period.
- Asked about factors contributing to the recent leveling off in recycling rates, and which actions over the past 10-year plan were most effective in increasing diversion.
    - Staff response: Staff identified the organics disposal ban introduced in 2015 as one of the most impactful actions. In addition, municipal collection program changes — particularly for single-family homes — resulted in reduced garbage disposal and increased organics diversion.
    - Staff noted that organics diversion has since plateaued, and that several external factors are influencing recycling rates.

	• A follow-up question was raised regarding whether similarly impactful actions are reflected in the current draft plan.
	  o Staff response: Staff highlighted proposed actions focused on encouraging waste generators and collectors, noting that while the organics ban remains in place, there are opportunities to enhance inspection and enforcement at disposal facilities.
	• Requested that staff provide a summary of historically effective actions for the committee's reference.
	• Asked whether regulatory approaches would be included in the current plan and whether greater emphasis on regulation would be appropriate, given its demonstrated effectiveness.
	  o Staff response: Staff clarified that the disposal ban program remains part of the existing regulatory framework and invited members to submit specific regulatory suggestions for consideration.
	• Asked whether Metro Vancouver has tonnage-based metrics for flexible plastics following the introduction of new collection bins.
	  o Staff response: Staff advised that Metro Vancouver does currently track flexible plastic tonnage in the garbage but does not currently have data on flexible plastics in the recycling stream. We aren't sure what data for flexible plastics will be reported by Recycle BC in this area.
	• Commented that weight-based metrics may not fully capture issues related to soft plastics and asked whether volume-based metrics could be considered.
	  o Staff response: Staff noted that weight-based measurement is the standard approach used for waste and recycling statistics but has created challenges over time with the changes to composition and characteristics of waste and recyclables.	

6.	**INFORMATION ITEMS**	Chair
	6.1 Zero Waste Committee *For information* *Designated Speaker: Paul Henderson, General Manager, Solid Waste Services* **6.2 Public Presentations to Independent Consultation and Engagement Panel – Options Analysis** *For information* *Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services* Reminder about the opportunity for public to present to the Independent Consultation and Engagement Panel on 11, 2026.	
7	**ACTION/STANDING ITEMS**	

	7.1 Action Tracker (Attachment 3)	
8.	**ADDITIONAL ITEMS** **8.1 Updated Performance Metrics Report – Stantec** Link (Attachment 2) **8.2 Detailed Calculation of Targets and Metrics for the Solid Waste Management Plan Update** Link **8.3 Residuals Waste Management Options Report** Link **8.4 Public/Technical Advisory Committee Updated 2026 Work Plan** (Attachment 3) **8.5 Regional Waste Flows December 2025** (Attachment 4)	
9.	**NEXT STEPS**	

Public/Technical Advisory Committee Working Groups

List of Contents
Construction and Demolition Waste Management Working Group
Food Waste and Organics Working Group
Plastics Management Working Group

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN PUBLIC/TECHNICAL ADVISORY COMMITTEE WORKING GROUP

Construction and Demolition Waste Management Working Group – Meeting Notes
Thursday, April 18, 2024, 10:00 am – 11:00 am (Zoom)

Working group members	Metro Vancouver staff present
Bill Chan	Brooke Atkinson – PTAC Coordinator
Grant Hankins	Chris Underwood – Division Manager, SW Planning
Alice Henry (absent)	Karen Storry – Senior Engineer, SW Planning (for Adriana Velaquez)
Brenda Martens, Chair	Samantha Joy – Working Group Coordinator
Christian Dietrich (absent)	Zeenia Mizan – SW Community Engagement Program Assistant
John Doherty	
Sue Maxwell	

Meeting Notes

1. MEMBER INTRODUCTION

- The meeting began with member introductions

2. FOCUS TOPIC DISCUSSION

Karen Storry, Metro Vancouver Senior Engineer with Solid Waste Planning, gave a presentation on C&D materials and Metro Vancouver initiatives and regional statistics. Topics included:

- Regional Recycling and disposal statistics in 2022
- 2022 Construction and demolition waste composition study results
- Demolitions numbers in 2022
- Disposal ban program overview
- Gypsum recycling program
- C&D waste reduction and alternatives to demolition
- Metro Vancouver solid waste regulatory framework and tools

Questions and comments:

- Question on licensed facilities: the map on slide 12 makes it look like there are a lot options for disposal, but many of the licensed facilities are not operating or not consistently accepting materials. Would be helpful to get a list of facilities that are operating and details on what they accept/don't accept, limitations, etc.

Metro Vancouver Staff Action Item: Confirm licensed facilities that accept C&D waste that are currently operating, confirm materials currently being accepted at operating locations.

Focus area discussion:

1. Receiving facilities and capacity
    - Facilities need more capacity to take material
    - Reliable and accurate receiving facility reporting needs to be improved and verified
    - Greater transparency and accountability is needed with respect to what receiving facilities are doing with the materials
    - Need for consistent language and definitions for diversion, recycling, downcycling and so fourth

2. End markets for the products
    - Markets for the clean wood are very challenging
    - Demand for the product – options for building demand and overall market capacity should be a topic for the working group to consider
    - Innovative ideas for storage and processing space for materials

3. Focus on wood
    - What is happening with the wood? Where are the end users? What portion goes to fuel?
    - Are there new or emerging end markets?
    - Look at what is happening in Washington State with wood recycling that we can learn from?
    - How can the province help – what are the assets provincewide?

4. C&D guide to move up the waste-hierarchy
    - using the World Business Council for sustainable building hierarchy – can we build nothing, can we build less? Community energy association – guide for the hierarchy docs.communityenergy.ca/wp-content/uploads/Embodied-Emissions-Guide_Final.pdf

5. Carbon perspective
    - How does C&D waste tie into climate action, green building, low energy building work?
    - Consider challenges, such as land-use changes and zoning, specifically BC, Vancouver, and Victoria legislation "enabling small-scale, multi-unit housing" – how to deter demolition?

6. Construction waste procurement guidelines
    - Need technical and/or policy support for the procurement of green building and waste
    - Could consider post-secondary school forums and pilots for new ideas

7. Research and Policy
    - Consider World Business Council's recommendations for the Built Environment

3. CHAIR SELECTION

Brenda Martens will be chair for the working group.

4. MEETING FREQUENCY and NUMBER

Meeting Frequency: Monthly with work in between

Next Steps:

- meet in May (date TBD)
- select online forum for members to collaborate between meetings

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Construction and Demolition Waste Management Working Group – Meeting Notes
Friday, May 17, 2024, 1:00 pm – 2:00 pm (Teams)

Working group members	Metro Vancouver staff present
Bill Chan	Brooke Atkinson – PTAC Coordinator
Grant Hankins (absent)	Adriana Velázquez, Senior Project Engineer
Alice Henry	Karen Storry – Senior Engineer, SW Plannning
Brenda Martens, Chair	Samantha Joy – Working Group Coordinator
Christian Dietrich	
John Doherty	
Sue Maxwell	

Meeting Notes

1. MEMBER INTRODUCTION

- The meeting began with member and guest speaker intruductions

2. FOCUS TOPIC DISCUSSION

James Slattery joined the meeting as a guest speaker.

- James works in San Fancisco environment dept. where they focus on all infrastusture: transit, public utility, airport, public works – specifically look at public health related problems and come up with solutions (policy, programs, etc.)
- James is from the zero waste program area working on residential and commercial projects.
- Construction and Demolition (C&D) has it's own suite of partnerships and programs – the main tool is a disposal ban on C&D waste implemented in 2006 that ensures all C&D waste goes for primary processing to a facility that will pull out reusable and recyclable materials. Residuals from these facilities goes to landfill.
- San Francisco Environment Department has authority to go to job sites, talk to haulers, and speak to the facilities that will receive the materials.
- All businesses who are hauling materials must be registered with this department through a paid permit model, and have a waste management plan.
- Permit payments are what covers staff time for enforcement and other work.
- Overall minimum recovery/diversion rate for construction projects is 65%, mandated by the State of California.
- Also upstream considerations – policies and partnerships to prevent waste generation – embodied carbon, deconstruction, etc.

Comments:

- Frustration with challenges faced in the Metro Vancouver region, but they are very similar to other municipalities challenges.
- Metro Vancouver is updating their solid waste management plan for the region – they have been told to reach out to haulers and industry to help advise on that.
- Some people think it's all about designing robust and long-term policy, others are interested more in what happens over the next 10 years.

Questions to James:

- How have you influenced people to get on the same page?
    - Key similar stakeholders in the chain of custody system (Waste haulers, operators, generators, etc)
    - Follow the money – education and making sure that people can only work with certain haulers – we started with a low-bar by just asking for registration. No fee model. Worked well to corral the generators and hauler and facilities at the beginning.
        - Next step is to figure out the incentive measures – you know who is hauling now, then place restrictions on where you can haul to (also openly competitive in San Francisco)
        - Find the incentives – high development rates $$ - make sure that waste haulers are hauling to the best-performing facilities
- Haulers want to keep their share of the market and are tough to push policy on – how have you navigated that in San Francisco?
    - Use interventions
    - Registration and Regulations Laws
- What are your rules saying to the players about what they can do?
    - When we track the number properly then we get a clear snapshot of who is being successful.
    - Project teams are being asked to specify and install a percentage of reused (salvaged) materials on their projects, by categories of material for five different material categories. As an example, 20% of all doors being installed need to be salvaged. Alternatively you could install 100% salvaged material in any one category – it's very flexible.
    - Projects are now aware that there is enforcement, so the savings they get from sending C&D waste (illegally) to the landfill can be entirely wiped out, and then some by $50k fines, so it's less enticing to "cheat".
- Only a few end markets available in San Fransisco market. What does your wood market look like?
    - Downcycling – it has evolved so that the market proportions has changed – biomass plants have gone idle, we have cheaper and cleaner energy online so biomass made no sense anymore
    - One of the partnerships is with the transportation department, which owns all of the land under bridges and overpasses. This land can be leased for $1/year and used to stage surplus and salvaged building materials in secure enclosures, so that the cost of stockpiling is greatly reduced. This gives specifiers the opportunity to have supply

available to coincide with their demand, which has been an ongoing issue with using salvaged material.
    - Surplus building materials are considered "low hanging fruit", these materials are new, all of the information about them is known, so this 'waste' should be eliminated.
- If you were looking 10 years into the future what policies do you think you'll need to enact?
    - Reuse of timber
    - Mulch instead of biomass
    - Deconstruction mandate – has to come with complimentary mandates for material reuse and reusable materials (Design for Disassembly)
    - Incentivise new policy
- Any thoughts of changing the 65% diversion rate in the near future?
    - To get to that percentage it depends on what is being counted – how do we ensure there is the highest value?
- Does your number include concrete? Yes
- Your model is great if you're an island, but how do you manage haulers that work outside the region and mix waste from two regions?
    - We use an online application system called Green Halo – this is where you submit your waste management plan when getting a building permit.

3. Staff update on action items

Update on receiving facilities – licensed facilities are published on the Metro Vancouver Environmental Regulation and Enforcement website – there is work underway to establish between the active and inactive facilities. Link included https://metrovancouver.org/services/environmental-regulation-enforcement/solid-waste-regulatory-program/licences-for-solid-waste-facilities

4. Next steps

- Metro Vancouver is suggesting and recommending the use of the issue/opportunity discussion questions as a guide or framework for reporting back to the main PTAC committee at the end of the year, to streamline data collection and analysis of feedback from the idea generation phase across all audiences.

Suggestion to meet again before the next PTAC meeting on June 14 – Doodle poll to be sent to gather available dates.

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Construction and Demolition Waste Management Working Group

Construction and Demolition Waste Management Working Group – Meeting Notes
Monday, June 10, 2024, 1:00 pm – 2:00 pm (Teams)

Working group members	**Metro Vancouver staff present**
Bill Chan (absent)	Adriana Velázquez, Senior Project Engineer
Grant Hankins	Karen Storry – Senior Engineer, SW Planning
Alice Henry (absent)	Samantha Joy – Working Group Coordinator
Brenda Martens, Chair	
Christian Dietrich	
John Doherty	
Sue Maxwell (absent)	

Meeting Notes

1. Meeting notes – May 17, 2024

- No Comments

2. Focus Area Discussion for November 21 PTAC Presentation Day

Potential Focus Areas Discussion:

1. Accountability and oversight of C&D waste
    - Tracking generators, haulers, and receivers
    - Licensing and permits
    - Capacity tracking (receivers)
    - Audits and certifications
    - Collecting good data and preventing or understanding 'leakage' out of region
2. Facilitate markets for salvaged and surplus construction materials
    - Procurement for waste management/salvaged materials
    - Address costs of material storage
    - Waste wood end markets
    - Facilitate land for receiving facility use (recycling, reuse, etc.) with industrial rezoning and cost reductions
    - Foster an environment to create more processing capacity

- Create business opportunities for C&D waste with established partners/problem solvers
- Removal of regulatory barriers for end-users and processors
- Create certainty in the marketplace (both supply and demand) to encourage investment

3. Managing waste volume and surges
    - Natural disasters
    - Prevention of C&D waste due to affordable housing policy and other changes in land uses
    - End- use management – capacity under current 'onerous' requirements
    - Building removal options, support hierarchy
    - Renovation and retrofit vs new build

4. Adoption of Zero Waste Hierarchy
    - Tie into values and priorities (practicality, cost, circularity, carbon, and climate change)
    - Design for disassembly/adaptability
    - Extended producer responsibility
    - Examine incineration
    - Influence policies on end uses (such as wood pellets)

Three main challenges:

- Difficult to open a facility under the current MV terms and conditions for a license.
- Siting challenges
- Product markets

Additional comments:

- Note that C&D falls outside of the generator levy
- Tipping fee bylaw requires that no clean wood is disposed of (for example)
- Biggest challenge is finding the end markets – you could then make the business case for building facilities.
- Not enough support to potential industry partners – too many unknowns for business investment. Need to better understand the capacity of the market in the region and the flow of materials out of region (e.g. wood, asphalt shingles).
- We need to treat waste as a commodity
- We need policy, putting pressure on the government to write policy that supports/promotes the recycling and reuse of these types of materials. Re-grading wood is an impediment to reuse.
- Wood is not the best material for making wood pellets, but if you dig into the details – it appears that the wood industry helped write the policy and it directly prohibits the CD industry from making pellets

- Explore interest of facilities in other jurisdictions to participate in the BC market (e.g. Tafisa - wood waste to particle board manufacturing facility)

ACTION ITEMS – Metro Vancouver staff

1) Do haulers have to report quantities of waste that is leaving the region?
   - For example – wood waste
2) Metro Vancouver to offer recommendation on how the working group can give feedback to Metro Vancouver staff.

GENERAL RECOMMENDATIONS/ACTIONS:

1) Engage with companies/processing facilities outside of the region that are successfully using C&D waste in the production of new products to evaluate interest in starting local operations

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Construction and Demolition Waste Management Working Group – Fourth Meeting

July 26, 2024
10 am – 11 am
Online meeting

ITEMS
MEETING NOTES – June 10, 2024
Focus Topics to Work on (see Miro Board): **1) Accountability and oversight of C&D waste** - Ensuring adequate capacity - Ensuring that the receiving facilities are processing materials instead of disposing - Facility licensing and accountability - Soil Management (see notes below) - Zero Waste construction certification Grant H. and Christian D. **2) Facilitate markets for diverted, salvaged and surplus construction materials** - Procurement for waste management salvaged materials (with regards to Metro Vancouver as well as possibly providing templates for municipalities) - Addressing the cost/availability of storage - Waste wood end markets - Regulations to create more processing capacity - Removing regulatory barriers for facilities and producers - Creating market stability and opportunity Sue M. and Christian D. **3) Managing waste volume and surges** - Natural disasters, or regulation changes (land use and policy) - Building removal - Encouraging renovation and retrofit rather than new builds - Exploring recommendations that we could present to Metro Vancouver (may be lobbying, public campaigns, does not need to be limited to what Metro Vancouver has control over) - Barriers and opportunities

Sue M. and Brenda M.

4) Adoption of Zero Waste Hierarchy

- Connecting waste with overall values and priorities
- Not conflicting with the practicality of operating a business
- Implementable and affordable, but also addresses climate change
- Design for Disassembly / Adaptability
- EPR
- Influencing policies on end-uses
- Examining Waste-to-Energy as it falls under the hierarchy
- LEED, Build Green, When the Government announced it was going to be one code – there needs to be reduction, reuse – lost some of the power when focused only on energy (related link: STARS, Sustainability Tracking Assessment & Rating System (aashe.org))

Bill C., Sue M., and Brenda M.

Something that is not on this list:

- Soil Management: issues in construction (probably on the provincial list of regulations) but is part of construction waste
- May be outside of the scope of this working group – lack of space to deal with soil is becoming a significant issue. Possibly flag for future consideration or add to accountability (added above)

Next Meeting Date

PTAC general meeting - September 13

- Please put information/resources/findings in the Miro Board by September 6.

Action Items

Metro Vancouver staff

1) How would Metro Vancouver like to see the recommendations organized?
2) Can staff prepare a list of regulations and categorize whether federal, provincial, municipal, or regional? (regulatory landscape)

Working group and Metro Vancouver staff

1) Compile and share information about:
   - What are academics and engineers currently writing about C&D waste management?
   - Is there a particular country or region that is leading in C&D waste management?
   - Technical or case studies

	Accountability and oversight of C&D Waste	Facilitate markets for diverted goods	Managing waste volumes and surges	Adoption of zero waste hierarchy
Avoid waste generation	• Connect projects to haulers (protect haulers and receiver confidential information such as customer base) to receivers (as per SF example), can use Green Halo platform https://www.greenhalosystems.com/ • Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party • Common confidential database so that we can measure reductions/increases - independent industry platform.	• Embed the Zero Waste Hierarchy and C&D waste/embodied carbon hierarchy in Metro Van's procurement and policies - include sourcing used/salvaged materials where possible. Encourage other organizations to do the same. (this can be part of creating end markets) • Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party	• Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party • Public awareness campaign regarding land use change waste. • Work with organizations that make decisions that increase waste during disasters to make waste minimization also a priority (i.e. insurance companies, etc). • Work with building and design industry and policy makers to adopt the ZW/embodied energy hierarchy as the guidance for building sector	• Review policies and publications for language that "assumes" waste generation. For example revise "demolition" to "building removal" and "construction waste" to "construction excess resources" • Have a pollution hierarchy such that pollution prevention is not undertaken at one level unless all feasible options for pollution prevention at a higher level have been taken • Require DfD/A, salvage reuse and recycled content in all MV's own building and infrastructure procurement. • Push for building codes to consider disassembly, repair, flexibility of use, deconstruction and embodied carbon • Adopt the ZW hierarchy as the guide and encourage others to do so as well • Support capacity building (education) in the industry • Produce and distribute specification templates for circular building procurement • Encourage Product design for modularity, reuse recycle (according to pollution hierarchy)

Recycle / recover materials	• consult on licensing (permitting) and regulating haulers (as per SF) • Incentivize source separation • Annual reporting out by industry stakeholders by third party auditor • Have collection of reusable items at disposal locations as per North Van pilot, but permanent (Whistler as example https://mywcss.org/social-enterprises/re-use-it-centre/)	• Set up systems to address costs of material storage (can be using public land, providing support or other tools) • Streamline regulation system to foster increased use of salvaged/diverted materials • Work with province, academia and NGOs to develop a model for wood waste that determines what assets exist and what are needed to create an ecosystem that can handle all kinds of wood and use it to the highest and best purposes (like King County). Use NZWC or other systems to build regional partnership. • Virtual Marketplace Platform (RHEAPLY), provides important tools; public marketplace for businesses; asset management for those large inventory holders for their stock - Like 'house moving storage' for example • Industry to develop their strategy in reduce/reuse targets with guidance from govt. eg. defining "highest use"	• Framework developed where products that cannot be reused or recycled have an environmental fee	• Pollution Hierarchy 1. reduce environment impact by producing the product by eliminating toxic components and increase energy efficiency; 2. redesign to improve reusability or recyclability; 3. reuse the product, 4. recycle the product • Work with the province and other partners to have EPR for C&D materials
Reduce / reuse	• "Hyper-regulate" (look at new term, effective regulation) mixed waste / commingled, standardized communication • Have significant deterrents for projects, haulers and receiving facilities that misreport their recycling/waste. • Ensure enforcement of existing regulations • https://www.recyclingcertification.org/ to ensure recycling / recovery is taking place	• Open land uses to recycling (may be residual waste)		• Similar to the above - adopt a pollution hierarchy and framed in the regulation as a guiding principle • Phase out incineration of all materials including C&D. Work to recover materials instead. • Create a municipal template and toolkit for building removal bylaws that include house moving and deconstruction

Misc.	• Work with Fraser Valley RD to jointly research 2-3 combined heat and power plants for lower mainland	• Note: The pollution hierarchy as outlined in the column of Adoption of Zero Waste applies to the other 3 columns (i.e. accountability, managing waste volume)	• Start to regulate out the use of materials that can't be reused or recycled. Phase out problematic materials	

Accountability and oversight of C&D waste

- Tracking generators, haulers and receivers
- Licensing and permits
- Capacity tracking (receivers)
- Audits and certifications
- Collecting good data and 'leakage' out of region
- Contaminated soil?

Facilitate markets for diverted, salvaged/surplus construction materials

- Procurement for waste management/salvaged materials
- Address costs of material storage
- Create certainty in the marketplace of both supply and demand
- Facilitate land for receiving facility use (recycling, reuse, etc.) with industrial rezoning and cost reductions
- Create an environment to create more processing capacity
- Create business opportunities for C&D waste with established partners/problem solvers
- Remove regulatory barriers for processors and end users

Managing waste volume and surges

- Natural disasters
- Prevention of C&D waste due to affordable housing policy and other changes in land uses.
- End use management – capacity under current 'onerous' requirements
- Building removal options, support hierarchy
- Renovation and retrofit vs new build

Adoption of Zero Waste Hierarchy

- Tie waste into values and priorities (practicality, cost, circularity, carbon and climate change)
- Design for Disassembly/Adaptability
- Extended Producer Responsibility for C&D
- Influence policies on end uses (such as wood pellets)
- Examine incineration

Leading jurisdictions in C&D waste prevention and reduction

Jurisdiction	Policy/Initiative	Description
City of Seattle, USA	Mandated material reuse and recycling in deconstruction permits Seattle SDCI Tip #337 - Demolition and Deconstruction	Deconstruction and salvage assessment (Seattle Permits, Department of Constructions and Inspections)
Portland, Oregon, USA	Adopted a deconstruction ordinance, for residential homes Deconstruction requirements | Portland.gov	Requires that residential homes built in or before 1940 be deconstructed rather than demolished
Netherlands, EU	Beton Akkoord (concrete agreement) initiative for sustainable concrete Samen maken we de betonsector duurzamer - Betonakkoord	Fifty construction companies signed an agreement to promote circularity and emission reduction throughout the concrete supply chain
	SAWA and the use of cross-laminated timber	Circular construction in Rotterdam includes SAWA projected that focuses on the use of cross-laminated timber instead of concrete.
Germany, EU	Concular – Digital database for construction material reuse Concular - Circular Construction	• AI driven platform for the construction industry that automatically matches buyer's demand for construction material with suppliers of reuse material. • Fast, automated, and cost-efficient model • Decision making aids for LCA and economic efficiency • Evaluate the material while it is still installed: solves the cost and space problems • Uses material passport
City of San Francisco, USA	San Francisco's C&D Waste Management interventions Construction and demolition registered facilities | San Francisco Environment Department (SFE) (sfenvironment.org) City of San Francisco Recycling Center (wastetracking.com) Bay Area Reuse Marketplace - Rheaply	• C&D Debris Recovery Ordinance • Cloud-based demolition debris management plan system • San Francisco introduced third party verification of the self-reported recycling rates by receiving facilities • Deconstruction and reuse policy with mandatory procurement from the secondary market (20% of five material categories or 100% of one category)

DRAFT

		• Deconstruction survey before issuing building permit • Virtual marketplace platform - public marketplace for businesses; asset management for those large inventory holders for their stock (BAMB)
EU (7 countries)	Material passports - BAMB BAMB - Buildings As Material Banks (BAMB2020) - BAMB	In the Project BAMB – Buildings As Material Banks 15 partners from 7 European countries were working together with one mission – enabling a systemic shift in the building sector by creating circular solutions.
City of Amsterdam, EU	Material passports for circular buildings AMSTERDAM METROPOLITAN AREA USES MATERIAL PASSPORTS TO BOOST THE CIRCULAR ECONOMY IN THE REGION - Madaster Global	• **Madaster** Pilot project, a passport for one of the municipalities' buildings • Madaster would be an online library of buildings information: quality, origin, location, and dismantling options of various building parts • Inventory the existing real estate owned by municipalities
City of Houston, USA	Initiative to distribute waste construction materials Reuse Warehouse (houstontx.gov)	Reuse Warehouse accepts construction waste material and distributes that for free to non-profit organizations, schools, government, etc. As a reuse case, they renovated a nearby building to provide space for reused materials workshop, gallery, and meetings.

DRAFT

Construction and demolition waste management regulatory landscape

Jurisdiction	Policy	Description
Municipal	Waste management plan	Mandatory plans to be prepared by the developer/general contractor describing strategies for management of C&D waste.
	Municipal C&D bylaws	Municipal waste management bylaws tied to the building regulatory process
	Deconstruction and salvage standards	Deconstruction and wood salvage requirements. Guidelines for deconstruction process.
	Pilot and demonstration projects	Investment in innovation for public sector projects
	Demolition and building permits with recycling/deconstruction requirements	Deposit refund based on waste reduction or recycling target.
	Zoning bylaws	Regulation of land use, such as: • types of land use allowed • location of a building within a site • maximum height and size of a building
	Building inspections	Ensure builders comply with regulations and standards to protect users safety and verify quality construction
Regional	Disposal ban	Clean wood and used and new gypsum at regional solid waste facilities
	Licensing of private facilities	Permits and licenses for landfill operators and processing facilities.
	Pilot and demonstration projects	Investment in innovation for public sector projects (e.g. house moving storage at Coquitlam Landfill).
Provincial	Building codes and requirements	Technical specifications and provisions that influence the design and construction of new structures as well as the alteration, change of use and demolition of existing ones.
	Tax credits/receipts	Incentives for donating used materials
	Funding	Clean BC Plastic Action fund for construction plastic waste reduction (also all sectors) Economic development funding Manufacturing and job creation funding.
	Pilot and demonstration projects	Investment in innovation for public sector projects
Federal	Product certification and labels	Product certification and labelling schemes - Innovation, Science and Economic Development Canada (ISED) Certification & Engineering Bureau (CEB) and the Directorate of Regulatory Standards (DRS)

DRAFT

	Tax credits/receipts	Incentives for donating used materials
	Funding	Economic development funding NRCAN funding
	Pilot and demonstration projects	Investment in innovation for public sector projects
	Greening government directive	Supports greening of government operations to achieve net-zero climate goals. Includes directive for Buy and Sell Canada to adopt lower waste and lower carbon procurement practices
	National Building Code	Applies to property under federal jurisdiction
Independent certification organizations (e.g. Cement Association of Canada)	Environmental Product Declaration (EPD)	Independently verified and registered document that communicates transparent and comparable information about the life cycle environmental impact of a product.
Canadian Standards Association (CSA) or Underwriters Laboratories (UL)	Product certification in Canada	Certification is voluntary and guarantees that the product complies with all safety standards that apply in Canadian territory

DRAFT

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Construction and Demolition Waste Management Working Group – Fifth Meeting

October 4, 2024
1:00 pm – 2:00 pm
and
October 16, 2024
10:30 am – 11:30 am
Online meeting

ITEMS
1. MEETING NOTES – July 26, 2024 - Reviewed

Review of Recommendations - Miro board
Accountability and oversight of C&D waste
- Connecting projects to haulers and receivers – tracking system to determine how much waste is being generated by a certain building project and where the waste is going (if a project isn't producing the expected amount of waste that would raise flags)
- Industry to develop a registry of the annual volumes reported out, validated through assurance from an independent third party. Common, confidential database so that we can measure reductions/increases – an independent industry platform
  - Privacy concerns for this recommendation from the hauler and receiver industry (potential)
  - Because the industry is so competitive we need to be careful – for example ABC company is contracted but XYZ wants to compete – the competition could see this information if it was public and use it to undercut
  - Software (Green Halo for example) can limit access to information and we could include language about confidentiality
- Industry to develop a registry of supply volumes that is reported through an independent third-party to set up a common confidential database so we can measure reductions and increases
  - Industry may be in the process of developing that technology (database that is not controlled by the industry or any association)
- Consult on licensing and regulating haulers (as per San Francisco model)
  - This is historically a contentious issue for haulers in the region

- Can the industry self-regulate to get the same results? The challenge when it comes to licensing and regulating is that it depends on how that is structured – if it limits competition and puts a lot of control into a government agency.
- Incentivizing source separation – seems that materials are best sorted on site
- Receiving facilities report out on the different types of materials, but this doesn't mean that all those materials get recycled
- Hyper regulation is not the answer, but effective regulation to act as a deterrent to not following the rules
- Fines are a good thing because it all comes down to money and money changes behavior
- Also needs to be enforcement, stronger tools and more power to enforce (right now the mandate is to keep as many facilities open as possible – facilities rarely get closed down)
- Start to regulate the materials that can't be reused or recycled.

Facilitate markets for diverted, salvaged and surplus construction materials

- Have a collection of reusable items at facilities for salvage, i.e. Separated before disposal
    - For example: Urban Repurpose, Whistler does this and has a permanent installation
- Make salvage easier
- Receiving facilities report out on the different types of materials, but this doesn't mean that all those materials get recycled. Look at metrics and definitions. Something to standardize communication and measurement of recycling rates.
- Certification of recycling facilities to ensure that recovery is taking place
- Improved infrastructure to combat greenwashing
    - Consultation: Public consultation on the Competition Act's new greenwashing provisions (canada.ca)
- Embed the Zero Waste hierarchy and C&D waste embodied in the carbon hierarchy – include sourcing used/salvaged materials where possible. Encourage other organizations and departments to adopt Zero Waste tenets.
- Set up systems to address costs of materials storage (using public land, or other support and tools)
- Open up land use (for recycling)/zoning – protect land to be used specifically for this purpose instead of allowing development to take over
- Land zoned appropriately to support all the actions in the hierarchy with priority given to facilities that practice reuse and recycling
- Need to protect land to ensure space and low (accessible) cost
- Streamline regulation system to foster increased use of salvaged and diverted materials (i.e. Having to regrade lumber before use)
- Leverage NZWC or other entities to build regional partnerships
- Create an ecosystem that can handle all kinds of wood (King County as example)
- Virtual marketplace (RHEAPLY) to manage stock

- Industry to develop a reuse strategy with guidance from the government (Define "highest use")

Managing waste volume and surges

- Public awareness campaigns regarding land use
- Work with organizations that make decisions on how to deal with increased waste during disasters (disaster debris) and make waste reduction a priority
- Framework developed where products that cannot be reused have an environmental fee (EPR)
- Toolkit for retrofits and renovations (land use charges and rezoning)

Adoption of Zero Waste Hierarchy

- Adopt a pollution prevention hierarchy
- Push for building codes to consider disassembly and repair, flexibility of use, deconstruction an embodied carbon
- EPR and environmental fees
- Produce and distribute specification templates for circular building procurement
- Support capacity building practices
- Review policies and publications for language that "assumes" waste generation. For example revise "demolition" to "building removal", and "construction waste" to "Construction excess Resources"
- Have a pollution hierarchy such that pollution prevention is not undertaken at one level unless all feasible options for pollution prevention at a higher level have been taken – i.e. consider all options before considering disposal
- Push for building codes to consider disassembly, repair, flexibility of use, deconstruction, and embodies carbon.
- Require salvage reuse and recycled content in all MV's owned building and infrastructure procurement – should apply to all municipalities and jurisdictions as well. Right now this is just based on individual municipality.
- Adopt the Zero Waste hierarchy
- Product design for reuse and recycle according to pollution hierarchy – Could product design become more modular? (Replacing certain parts instead of the entire system, i.e. HVAC)
- Phase out incineration of all materials including C&D work to recover materials instead.

Next steps:

- Ideas and potential solutions to be evaluated for inclusion in the plan update
- Preparation of ideas for presentation to PTAC committee

Next Meeting Dates and Action Items

- PTAC SWMP update public presentations to PTAC and Zero Waste Committee – November 7, 2024

- PTAC working group presentations – November 21, 2024

  Action Items:

  Presentation guidelines:

  - Present ideas and potential solutions to be evaluated for inclusion in the SWMP plan update
  - 30 min time slot at the start of the meeting (Nov 21 from 2:00 pm – 5:00 pm)
  - Presentation to staff and other PTAC members
  - Can provide supplementary documents in a summary format so Metro Vancouver can use that data in feedback logs

- Additional resources - Leading jurisdictions in C&D waste prevention and reduction and Construction and demolition waste management regulatory landscape
- Miro Board

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Construction and Demolition Waste Management Working Group – Seventh Meeting

November 4, 2024, 1:00 pm – 2:00 pm
Online meeting

ITEMS
1. Previous meeting notes – October 4 and October 16
2. Discussion Recommendations: • Create a C&D waste management template that municipalities could use • Get municipalities to commit by collaborating with the group that is the most "on board" • Organize recommendations to highlight anything that is within Metro Vancouver scope • Preface some of the bullets with verbs to say what action we want Metro Vancouver to take – specifically, is it policy, outreach, regulation? Related Metro Vancouver work: • Data collection pilot working group - trying to focus on the scope for 2025 (REAC-SW and other committees and organizations involved) Next steps: • Ideas and potential solutions to be evaluated for inclusion in the plan update • Preparation of ideas for presentation to PTAC committee
3. Action Items: 1) Present on recommendations from working group to PTAC, November 21. Presentation guidelines: • Present ideas and potential solutions to be evaluated for inclusion in the SWMP plan update • 30 min time slot at the start of the meeting (Nov 21 from 2:00 pm – 5:00 pm) • Presentation to staff and other PTAC members • Can provide supplementary documents in a summary format so Metro Vancouver can use that data in feedback logs
• Additional resources - Leading jurisdictions in C&D waste prevention and reduction and Construction and demolition waste management regulatory landscape • Miro Board

- PTAC Webpage

4. Next Meeting Dates

- Solid waste management plan update public presentations to PTAC and Zero Waste Committee – November 7, 2024
- PTAC working group presentations – November 21, 2024

C&D WASTE/ BUILDING CIRCULARITY WORKING GROUP

The presentation represents the range of diverse perspectives within the working group members. As a result, there are some points presented that do not have consensus among all members.

Sue Maxwell
Christian Dietrich
John Doherty
Bill Chan
Grant Hankins
Brenda Martens

4 AREA OF FOCUS

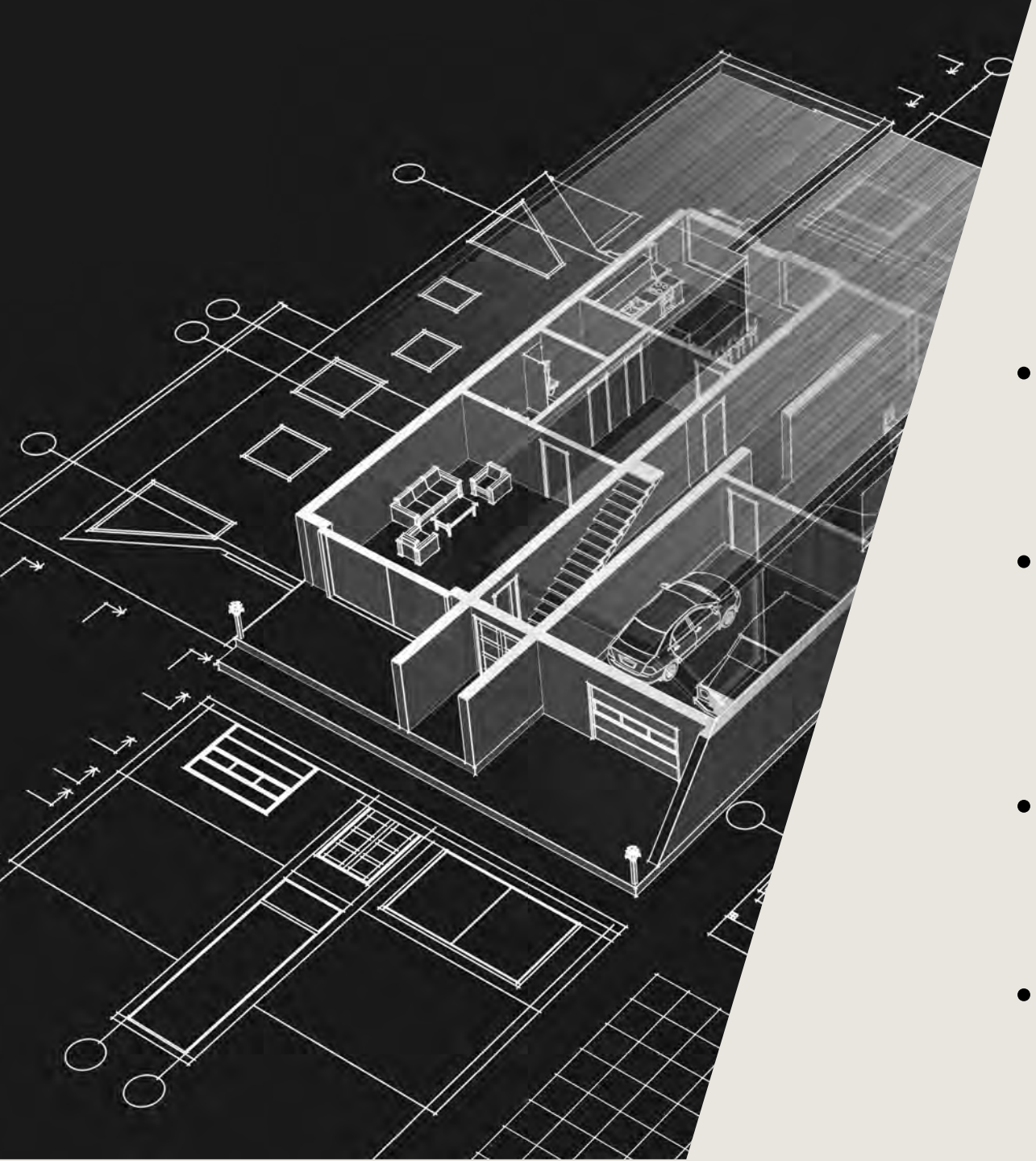
- Adoption of Zero Waste Hierarchy
- Accountability and Oversight
- Facilitating Markets for Diverted Materials
- Managing Waste Volumes and Surges

3 PRINCIPLES

- Prioritize those recommendations that are highest on the ZW Hierarchy
- Avoid locking in to linear strategies
- Adopt strategies in whatever capacity possible (regulate, advocate, influence)



ADOPTION OF ZERO WASTE HIERARCHY





REDESIGN

- Embed Zero Waste Hierarchy and Building ZW hierarchy in Metro Vancouver's procurement and policies
- Review policies and publications to revise language that assumes waste generation. For example, “building removal” not “demolition”
- Push for building codes to consider disassembly, repair, flexibility of use, deconstruction, and embodied carbon
- Support capacity building and education in the industry

REDUCE & REUSE



- Require Design for Disassembly/Adaptability (DfD/A), salvage reuse, and recycled content in Metro Vancouver's building and infrastructure procurement
- Produce and distribute specification templates for circular building procurement
- Encourage product design for modularity, reuse, and recycling according to pollution hierarchy

RECYCLING AND MATERIAL RECOVERY



- Work with partners to develop a model for wood waste management
- Work with the province and other partners to establish Extended Producer Responsibility (EPR) for C&D materials
- Phase out incineration of C&D materials and focus on material recovery



ACCOUNTABILITY AND OVERSIGHT

TRACKING AND LICENSING (CHAIN OF CUSTODY)

- Consult industry on licensing and regulating haulers, and Implement annual reporting by industry stakeholders, validated by third-party auditors
- Connect projects to haulers and receivers using platforms like Green Halo
- Create a common confidential database to measure reductions/increases through an independent industry platform

ENFORCEMENT AND REGULATION

- Ensure enforcement of existing regulations
- Incentivize source separation
- Implement significant deterrents for projects, haulers, and receiving facilities that misreport their recycling/waste





FACILITATING MARKETS FOR DIVERTED MATERIALS

MARKET DEVELOPMENT

- Develop an industry registry of supply volumes, reported and validated annually
- Implement a virtual marketplace platform for businesses and asset management
- Streamline the regulation system to foster increased use of salvaged/diverted materials

INFRASTRUCTURE AND LAND USE

- Set up systems to address costs of material storage (using public land or providing support)
- Open land uses to recycling and facilitate land for receiving facility use with industrial rezoning and cost reductions
- Create an environment to increase processing capacity and business opportunities for C&D resources

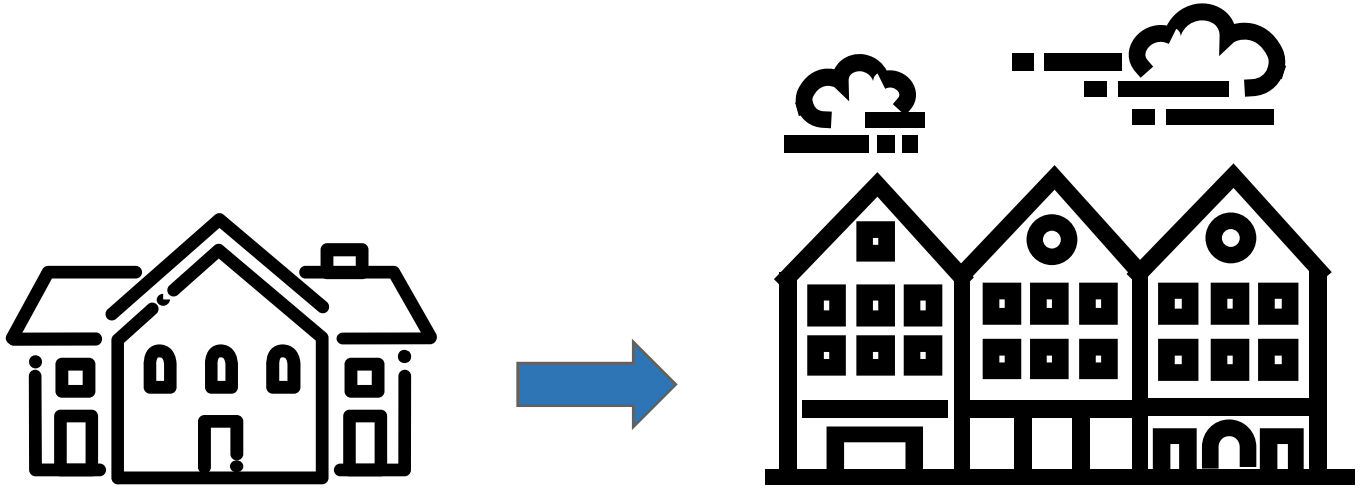


MANAGING WASTE VOLUMES AND SURGES



LAND USE CHANGES

- Promote renovation and retrofit options versus new builds
- Create a municipal template and toolkit for building removal bylaws that include house moving and deconstruction

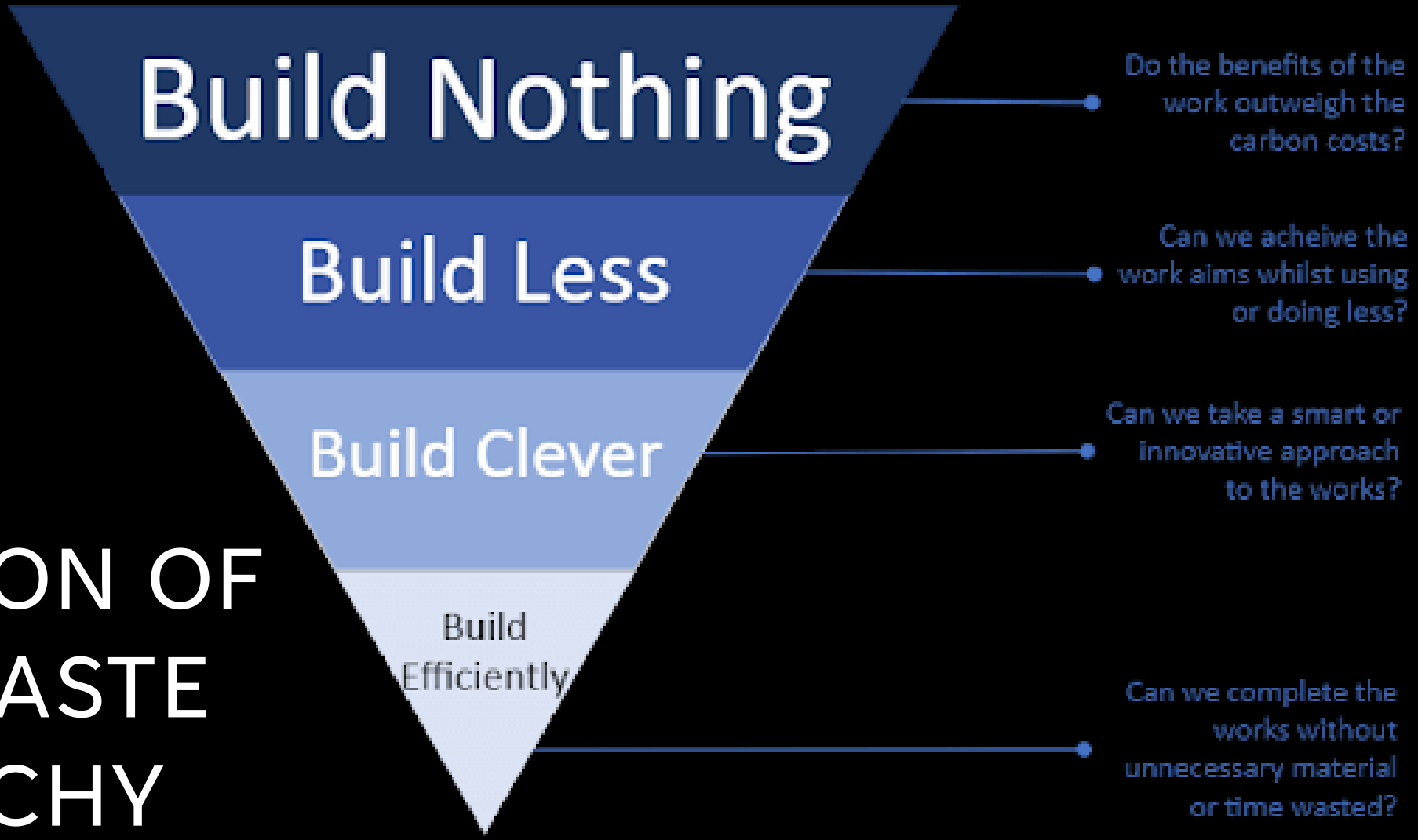


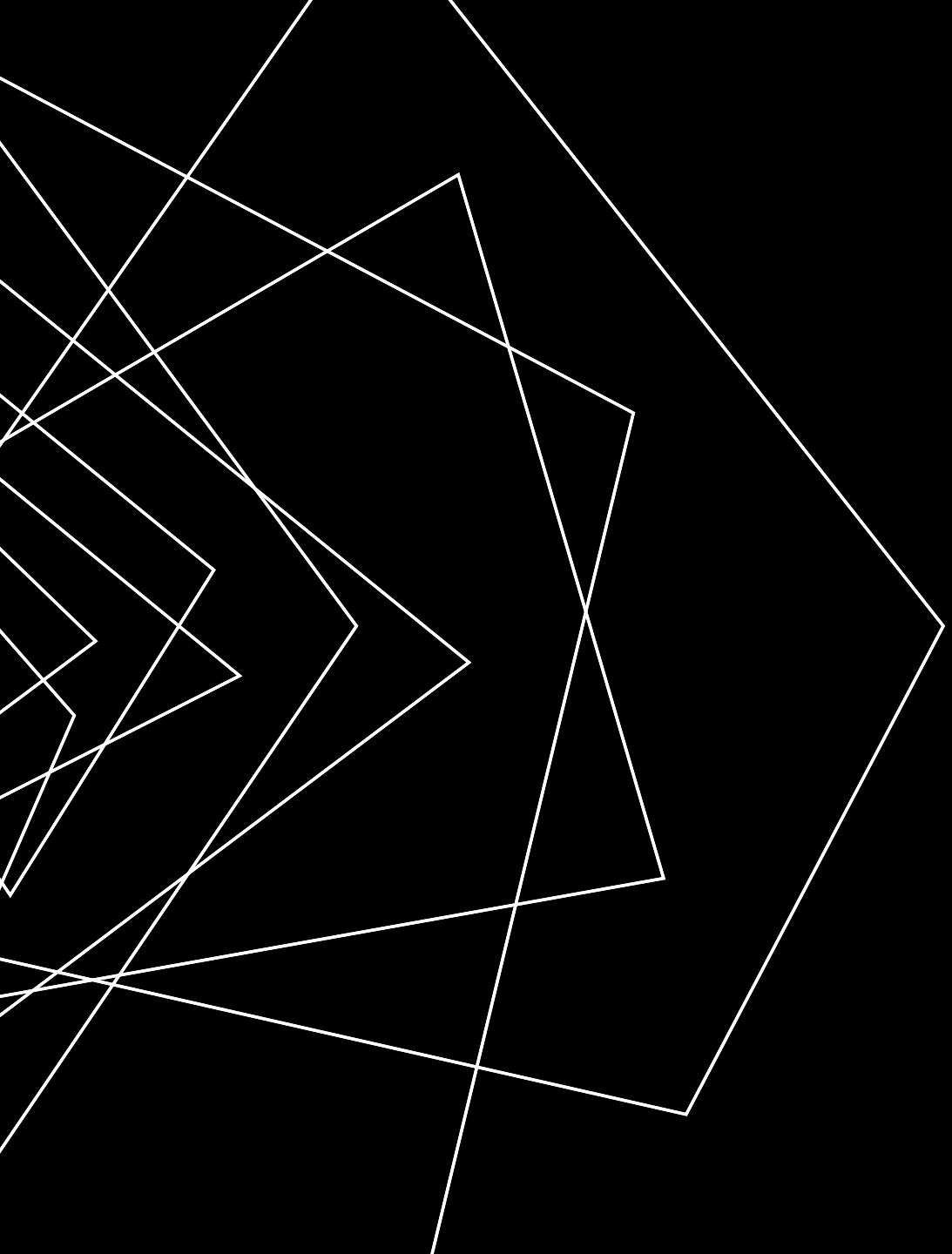


DISASTER PREPAREDNESS & RESPONSE

- Incentivize disaster preparedness to preserve both life and property
- Work with organizations that make decisions during disasters to prioritize waste minimization
- Develop regional strategies for managing waste from natural disasters and land use changes

ADOPTION OF ZERO WASTE HIERARCHY





THANK YOU

The following document was submitted by the Public/Technical Advisory Committee Construction and Demolition Working Group. These recommendations represent the range of diverse perspectives among the working group members. As a result, there are some points presented that do not have consensus among all members.

Metro Vancouver Public/Technical Advisory Committee – Construction and Demolition Working Group Recommendations

These recommendations represent the range of diverse perspectives within the working group members. As a result, there are some points presented that do not have consensus among all members.

	Accountability and oversight of C&D Waste	**Facilitate markets for diverted goods**	**Managing waste volumes and surges**	**Adoption of zero waste hierarchy**
Avoid waste generation	• Connect projects to haulers (protect haulers and receiver confidential information such as customer base) to receivers (as per SF example), can use Green Halo platform https://www.greenhalosystems.com/ • Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party • Common confidential database so that we can measure reductions/increases - independent	• Embed the Zero Waste Hierarchy and C&D waste/embodied carbon hierarchy in Metro Van's procurement and policies - include sourcing used/salvaged materials where possible. Encourage other organizations to do the same. (this can be part of creating end markets) • Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party	• Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party • Public awareness campaign regarding land use change waste. • Work with organizations that make decisions that increase waste during disasters to make waste minimization also a priority (i.e. insurance companies, etc). • Work with building and design industry and policy makers to adopt the ZW/embodied energy hierarchy	• Review policies and publications for language that "assumes" waste generation. For example revise "demolition" to "building removal" and "construction waste" to "construction excess resources" • Have a pollution hierarchy such that pollution prevention is not undertaken at one level unless all feasible options for pollution prevention at a higher level have been taken • Require DfD/A, salvage reuse and recycled content in all MV's own building and infrastructure procurement. • Push for building codes to consider disassembly, repair, flexibility of use, deconstruction and embodied carbon • Adopt the ZW hierarchy as the guide and encourage others to do so as well • Support capacity building (education) in the industry • Produce and distribute specification templates for circular building procurement • Encourage Product design for modularity, reuse recycle (according to pollution hierarchy)

	industry platform.		as the guidance for building sector	
Recycle / recover materials	• consult on licensing (permitting) and regulating haulers (as per SF) • Incentivize source separation • Annual reporting out by industry stakeholders by third party auditor • Have collection of reusable items at disposal locations as per North Van pilot, but permanent (Whistler as example https://mywcss.org/social-enterprises/re-use-it-centre/)	• Set up systems to address costs of material storage (can be using public land, providing support or other tools) • Streamline regulation system to foster increased use of salvaged/diverted materials • Work with province, academia and NGOs to develop a model for wood waste that determines what assets exist and what are needed to create an ecosystem that can handle all kinds of wood and use it to the highest and best purposes (like King County). Use NZWC or other systems to build regional partnership. • Virtual Marketplace Platform (RHEAPLY), provides important tools; public marketplace for businesses; asset management for those large inventory holders for their stock - Like 'house moving	• Framework developed where products that cannot be reused or recycled have an environmental fee	• Pollution Hierarchy 1. reduce environment impact by producing the product by eliminating toxic components and increase energy efficiency; 2. redesign to improve reusability or recyclability; 3. reuse the product, 4. recycle the product • Work with the province and other partners to have EPR for C&D materials

		storage' for example • Industry to develop their strategy in reduce/reuse targets with guidance from govt. eg. defining "highest use"		
Reduce / reuse	• "Hyper-regulate" (look at new term, effective regulation) mixed waste / commingled, standardized communication • Have significant deterrents for projects, haulers and receiving facilities that misreport their recycling/waste • Ensure enforcement of existing regulations • https://www.recyclingcertification.org/ to ensure recycling / recovery is taking place	• Open land uses to recycling (may be residual waste)		• Similar to the above - adopt a pollution hierarchy and framed in the regulation as a guiding principle • Phase out incineration of all materials including C&D. Work to recover materials instead. • Create a municipal template and toolkit for building removal bylaws that include house moving and deconstruction
Misc.	• Work with Fraser Valley RD to jointly research 2-3 combined heat and power plants for lower mainland	• Note: The pollution hierarchy as outlined in the column of Adoption of Zero Waste applies to the other 3 columns (i.e. accountability, managing waste volume)	• Start to regulate out the use of materials that can't be reused or recycled. Phase out problematic materials	

Accountability and oversight of C&D waste

- Tracking generators, haulers and receivers
- Licensing and permits
- Capacity tracking (receivers)
- Audits and certifications
- Collecting good data and 'leakage' out of region
- Contaminated soil?

Facilitate markets for diverted, salvaged/surplus construction materials

- Procurement for waste management/salvaged materials – MV template for managing site and building materials
- Address costs of material storage
- Create certainty in the marketplace of both supply and demand
- Facilitate land for receiving facility use (recycling, reuse, etc.) with industrial rezoning and cost reductions
- Create an environment to create more processing capacity
- Create business opportunities for C&D waste with established partners/problem solvers
- Remove regulatory barriers for processors and end user

Managing waste volume and surges

- Natural disasters
- Prevention of C&D waste due to affordable housing policy and other changes in land uses.
- End use management – capacity under current 'onerous' requirements
- Building removal options, support hierarchy
- Renovation and retrofit vs new build

Adoption of Zero Waste Hierarchy

- Tie waste into values and priorities (practicality, cost, circularity, carbon and climate change)
- Design for Disassembly/Adaptability
- Extended Producer Responsibility for C&D
- Influence policies on end uses (such as wood pellets)
- Examine incineration

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN PUBLIC/TECHNICAL ADVISORY COMMITTEE WORKING GROUP

Organics Management Working Group – First Meeting
Meeting Notes
Monday, April 22, 2024 1:30 pm – 2:30 pm (Zoom)

Attendance

Working group members	Metro Vancouver staff present
Doug Schell	Brooke Atkinson – PTAC Coordinator
Louise Schwartz	Chris Underwood – Division Manager, Solid Waste Planning
William Selten	Karen Storry – Senior Engineer, Solid Waste Planning
John Doherty	Samantha Joy – Working Group Coordinator
Raman Johal	Zeenia Mizan – Solid Waste Community Engagement Program Assistant
Kevin Huang (absent)	
Hunter Bergen (absent)	
Ben Liegey (absent)	

ITEMS

1. MEMBER INTRODUCTION

- Members expressed interest in exploring how to reduce organic waste, particularly among the public
- Members expressed interest in discussing challenges within multi-tenanted residential and commercial sites
- Organics as a waste material can be used to demonstrate a local, closed loop circular system of managing materials

2. FOCUS TOPIC DISCUSSION

- Members asked questions about how statistics on organics still in the garbage were determined (from waste composition study)
- Members discussed potential areas of interest and focus areas for this working group
- Potential areas of focus included:

1. Multi-family residential sector organics recovery, including challenges compared to single-family homes
    - Identified a potential future area of research to confirm assumptions about why organics recycling in multi-family residential sector is more challenging (e.g.

convenience and accessibility, full bins, odours, and management through individual private companies rather than coordinated through the municipality)

- Members discussed building design, including the need for modifying older buildings not designed for the numerous recycling and organics streams, and also the need to ensure new buildings do account for recycling requirements into the future (and how this will be especially important as a result of the new provincial legislation allowing greater density on existing single family properties).
- Explore community scale and on-site technologies to reduce or dewater organics, thus reducing odours and ick factor, and reducing hauling costs
- Explore other ways to make organics recycling more convenient (reduce effort required), appealing, and cost-effective

2. Local organics processing capacity/infrastructure
   - Need to ensure sufficient capacity to manage all materials
   - Explore potential for the region to operate organics processing infrastructure
   - Wood – examine amount of materials other than food that are available (eg wood), to support processing
3. Prioritize reducing organics as much as possible, first.
   - How to support reusable options to reduce requirement for compostable single-use items
   - reducing food waste
4. Policy
   - Consistent requirements/expectations for organics to be recycled
   - Possibility of mandated organics collection
   - Building requirements to ensure no logistical road-blocks in residential and commercial buildings
5. Other ideas as the working group continues. Including market and procurement, Institute for Local Self-Reliance organics hierarchy, data on organics leaving region

6. **CHAIR SELECTION**
   - Committee members nominated Ben Liegey, who was absent
   - If Ben cannot be Chair, William Selten and Doug Schell can co-chair
   - Following the meeting, Ben Liegey agreed to chair the working group

7. **MEETING FREQUENCY and NUMBER**
   - Monthly meetings with break in summer: April, May, June, September, October
   - Create a document where members can note ideas in between members – hosted by members rather than Metro Vancouver – members to confirm what platform to use

8. **MEETING FORMAT**
   - 1 hour meetings, virtual

- Discussion if there's interest in visiting an organic waste facility – conclusion that there is enough expertise among members including knowledge of organics processing facilities. Will consider visiting a facility if the need arises.
- Use the expertise present in the room as much as possible

9. **POTENTIAL PRESENTERS/ OTHER INFORMATION OR RESOURCES REQUIRED**

- Detailed breakdown of organics waste composition results, such as commercial organics sub-sectors, or by-community/municipality
- Break-down of food waste that could be avoided v.s. food scraps that would legitimately remain food scraps – by sector – to enable a discussion on what could be reduced
- Is there an adequate supply of brown material / wood to support processing
- Description of policies of member municipalities – for example, how many have components in their procurement policies on using organics in their parks / landscaping projects?
- Conclusions from National Zero Waste Council organics working group – bring in those ideas that already exist
- Municipal staff advisory committees – REAC-SW and RWRCC – would like to find out if there are ideas coming out of those groups related to organics

Next Steps:

- Brooke will send out poll for meeting dates in May and June

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Food Waste and Organics Working Group – Second Meeting

Monday, May 13, 2024
1:00 pm – 2:00 pm
Online meeting
Google Meet

Members in attendance: Ben Liegey, William Selten, Louise Schwarz, John Doherty, Sue Maxwell
MV Staff: Terry Fulton, Brooke Atkinson, Stephanie Liu

MEETING NOTES

ITEMS
1. MEETING NOTES – APRIL 22, 2024
2. FOCUS NOVEMBER PRESENTATION • **Relate to Solid Waste Management Plan Update Issue/Opportunity Discussion Questions** - Metro Vancouver is suggesting and recommending the use of the issue/opportunity discussion questions as a guide or framework for reporting back to the main PTAC committee at the end of the year, to streamline data collection and analysis of feedback from the idea generation phase across all audiences.
3. WORKING GROUP NAME - Members discussed whether the working group name should be changed. Members discussed how "organics management" may not feature food waste/prevention and food loss. - Members agreed to update the name to: "**Food Waste and Organics Working Group**"
4. ORGANICS TOPICS FOR DISCUSSION • **Potential areas for focused topics:** o **Waste hierarchy: prevention, food donations, compost & waste management** o **Food Cycle: manufacturers, retailers, hotels and restaurants, homes** - Question was posed whether to have sub-working groups instead as there are so many topics to cover through this working groups. - Response: prefer to stay as one working group, and choose a focus (1-2 topics) for each meeting. Members may have interest and knowledge in multiple sub-areas.

- Member commented that the topics can be split into three general areas – waste prevention, recycling participation, and processing.
- Members agreed to use the Miro board to add ideas, group into categories, and rank interest

- Members discussed a few areas of interest that may be areas to dive into in more detail at future meetings:
  - Possibility of an easy to use system where leftover food could be picked up at foodservice establishments without worry of liability
  - Waste prevention via incentives or regulation of producers/manufacturers
  - Simplifying and streamlining recycling bin options – e.g. 'all items from this establishment are compostable'
  - Compostable plastics:
    - Avoiding greenwashing and consumer confusion as many 'compostable plastics' are not compatible with processing facilities; also, having compostable plastics as an option prevents some producers from considering alternative types of materials such as paper/fibre, or reducing the amount of packaging
    - Government restrictions on compostable plastics due to cost, contamination, etc. How to move the responsibility to the producer instead
    - Processing infrastructure
    - Suggestion to **invite Love-Ese Chile** to speak on this topic as a scientist who specializes in this area
  - Contamination: how to ensure the cost of contamination is the responsibility of those who produce the contamination
  - Basic level actions – there are businesses who currently don't compost food waste. Penalties should be applied considering it's been compulsory since 2015.
  - Most actions are cost-driven so enforcement and penalties are key.
- Members spent some time to work in the Miro board to add and rank ideas for discussion

5. NEXT STEPS

- **June Meeting Date**
  - **Other actions:**
    - Chair to send a poll for availability for the June meeting date, including some morning options
    - Before the next meeting, members to working the Miro board to rank topics. Chair to review and decide on a topic for the next meeting.
    - Chair to provide an update at the June 14 general PTAC meeting
    - Next meeting agenda: include an agenda item to discuss formalizing/streamlining the process for requests for information from MV staff (e.g. waste composition data)

- Next meeting: Metro Vancouver staff to provide a presentation on organics insights from waste composition

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Food Waste and Organics Management Working Group – Third Meeting

Monday, June 10, 2024
9:00 am – 10:00 am
Online meeting

Attendees: Ben Liegey (Chair), Douglas Schell, William Selten, John Doherty, Louise Schwarz

Staff: Brooke Atkinson, Terry Fulton, Stephanie Liu

NOTES

ITEMS
1. MEETING NOTES - May 13, 2024 - Chair reviewed highlights and action items from last meeting's notes - Staff provided overview of issue/opportunity discussion questions and suggested use of them as a framework for the report-out from small groups to the whole committee in the fall - Louise Schwarz will provide the update from the small group at the June 14, 2024 PTAC meeting
2. Discuss Waste Hierarchy Categories for Food Waste and Organics - Working group is in agreement with the focus areas that Ben has presented: Prevention, rescue, recycle. - Working group posed question about amount of food waste going to the Waste-to-Energy Facility (data request for Metro Vancouver) - Comment that if all food waste is removed from waste loads, this can lead to operational issues at the incinerator. Question on how that can be managed (e.g. replacing food waste with biosolids or other materials?) – (info request for Metro Vancouver) - Would not be surprised if there is a significant amount of food waste not being composted - Highlighted that through waste audits, have found that food venders in the food prep that are disposing of food waste. More education is needed for food production / food service providers. - Potential connections with Ministry of Food and Agriculture initiative to work with post-secondary students to set targets on local food production – part of that work is discussing how to make the industry more sustainable. John will follow up on this possibility.

3. Reflect on Insights Around Prevention

- Under the topic of prevention, there is: Prevention policy, accountability, partnerships, funding/incentives, ICI, family housing, non-food organics
- Policy: organics to landfill ban is a very important component, enforcing at the hauler level, with the idea that haulers would communicate with their customers. Easier on the ICI side than with residential. Introducing policy for mandatory organics service for specific commercial generators would also help.
- Another perspective: disposal ban system is already in place and despite that, organics are still in the garbage. Especially with multi-tenanted areas, it is very challenging to pinpoint where the issues are coming from. Need more education targeted at those audiences
- Question about how often inspections happen at regional facilities (info request for Metro Vancouver)
- Large opportunities in ICI, for example health care. Starting with large, publicly funded entities could yield significant results. Just requires logistics coordination.
    - At Vancouver Coastal Health, waste management is becoming decentralized. One issue is recycling PPE – it exists in every lunchroom and there are opportunities to divert it.
    - Food waste is heavier than PPE – so the financial incentive of recycling is higher. But with PPE, we can collaborate with other health authorities – larger volumes, compacted, yield larger financial benefits.
    - Could take a similar coordination approach with food waste
- There is a lot that large ICI groups can actually do/change when it comes to waste reduction.
- Misconception still exists of there being a risk/liability to donating food. Need to educate about good Samaritan laws.
- Celebrate good behavior and communicate about it
- Coordinated communications, rather than each group running education in their own silos. Build momentum to promote donation of food.
- Policies to universalize efforts and maximize benefits
- Tailor messaging to specific audiences so they can get the relevant information quickly as they are busy with day to day work (e.g. restaurants, farmers, businesses)
- ReFED Insights Engine: https://insights-engine.refed.org/solution-provider-directory - advocate for governments to adopt something similar
- Take advantage of provincial funding for studies
- Group agreed the next step is to use the ideas that have been discussed so far for the Prevention category, and to organize and structure the thoughts in preparation for the report back.
- Prevention: precise that it would make sense to have some solutions tailored to
    - (1) the food life cycle stage: Farm, Manufacturing, Retail, Residential, Foodservice
    - (2) the type of solutions: prevention, rescue, recycling
- Action: Ben to organize Miro Boards based on topics discussed. Members welcome to continue to contribute to the Miro Boards.

4. List Data /Information Required from Metro Vancouver

- Format requested: short presentation slides at next working group meeting, and more detailed reference material on the Miro board
- Disposal ban data and waste composition data specifically showing food waste being disposed of at the Waste-to-Energy Facility
- Waste-to-Energy Facility Operational Parameters: requirements for feedstock, alternatives to food waste in the waste stream, operational requirements and potential impacts of removing food waste from loads.
- General disposal ban inspection data, including number of inspections, how many penalties issued, etc. Purpose is to have an idea of what the chances of being inspected are on any given day. The thought is that if the chances of inspection or penalties is low, it is not enough of a deterrent.
- Provide link to where names of haulers receiving the highest annual surcharges are published.

5. Updated Solid Waste Management Plan Update Issues/Opportunities Discussion Questions

- Group discussed idea to use discussion questions as a framework for how the final presentation would be provided
- Discussed how to best organize ideas.
- When discussing a particular category such as prevention, or policy, and we can answer the issue/opportunity discussion questions under those topic categories.
- Using discussion points rather than large miro board would be helpful.
- Miro Board is good for generating ideas, but bullet points are helpful when narrowing down to key takeaways

6. June 14 PTAC Meeting Updates

7. Next Meeting Date and Next Steps

- Doodle Poll will be sent out to set up the next meeting.
- Metro Vancouver to provide requested information before the next meeting.

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Food Waste and Organics Management Working Group – Fourth Meeting

Tuesday, July 9, 2024
9:00 am – 10:00 am
Online meeting

MEETING NOTES

Attendees: Ben Liegey, Louise Schwarz, Sue Maxwell, Doug Schell
Staff: Terry Fulton, Stephanie Liu, Chris Underwood
In addition: Chris Allan, Paul Henderson (in attendance to discuss specific question about procurement)

ITEMS
Update on Procurement and Capital Plan (additional agenda item) • Paul Henderson provided an update to address a working group member's question about Metro Vancouver's capital planning processes related to organics capacity. • Organics received at Metro Vancouver solid waste facilities are processed at facilities outside of the region • Metro Vancouver is developing a procurement process with the goal of entering into a long-term contract for a portion of organics to be managed within a specified radius of United Boulevard Recycling and Waste Centre. Metro Vancouver would commit to delivering a portion of organics (primarily yard trimmings) to the proponent through a long-term contract, to provide confidence for private industry investment in development of new processing capacity. • Expect several years before new capacity can be established • Current Metro Vancouver capital plan does not include development of organics processing infrastructure. • In parallel, other work is underway to improve recycling and prevent food waste. Discussion: • Member commented on importance to move up the waste hierarchy. • Member asked about proportion of organics that is composted v.s. animal feed v.s. biogas to be aligned with the Food Loss and Waste Standard. Staff will review options with respect to waste composition data with will report back to the Working Group.

    - Metro Vancouver to look into possibility of receiving this information from licensed facilities. Potential item for group to recommend for the solid waste management plan update, to add this type of reporting as a requirement.
- SDG 12.3 is not a metric followed by Metro Vancouver (in kg of food waste generated per capita)
- Other compostable organics = green waste + clean wood
- Member questioned why Metro Vancouver is not developing its own organics processing infrastructure. Metro Vancouver commented that there is existing private infrastructure, as well as infrastructure developed in partnership with municipalities (Surrey). In 2011 the Board made the decision to not pursue development of organics infrastructure.
- Member asked about the ability for District Energy to reduce GHG, and whether that is sustainable if waste-to-energy is not a long term solution. Member also commented on high cost of waste-to-energy compared to other disposal methods.
    - Metro Vancouver commented that there are 1 million tonnes of garbage per year, and a quarter goes to the Waste-to-Energy Facility; as a result, even after further waste reduction and recycling efforts, there is confidence that there will still be remaining waste that needs to be handled at the Waste-to-Energy Facility.
    - District Energy will provide huge benefits by offsetting natural gas use.
    - In September, Metro Vancouver plans to report to the Zero Waste Committee on comparative costs of the Waste-to-Energy Facility, Vancouver Landfill, and contingency disposal.
- Member commented on the importance to find options for keeping material such as food waste and processing in the region to produce compost for top soil and to benefit local growers.

1. MEETING NOTES - June 10, 2024

2. Discussion on Existing Metro Vancouver Waste Data

- Metro Vancouver provided a presentation to address several questions from working group members at the last meeting.
    - Information on the Waste-to-Energy Facility (WTEF) waste composition vs. overall composition (2022).
    - Impact of decreasing organics to WTEF. Decreasing organics increases energy value of waste stream, which decreases throughout as facility is limited by the energy capacity
    - Disposal ban information – summary of inspections, percentage containing banned materials, and loads that are actually surcharged (as inspectors work on education, re-loads, etc.)
    - Break-down of organics avoidable vs. unavoidable, and recycled vs. disposed

- Members asked if Metro Vancouver reports on the total amount of food wasted, or food waste per capita. Metro Vancouver confirmed that they do not; however, it could become a recommendation coming out of this working group.
- Members requested information on food loss at different steps along the value chain.
- Members requested more information on the definition of avoidable vs. unavoidable food waste
- Members requested 2015 disposal ban information to serve as a baseline.
- Metro Vancouver will share the slides from this presentation.
- Metro Vancouver to follow up with National Zero Waste Council staff on ongoing work related to food loss and waste. Potential to invite staff to present at a future working group meeting.
- Metro Vancouver to provide data/survey information from the Love Food Hate Waste campaign.

3. Feedback on Actions in Miro Related to Organics and Food Waste Recycling

- Members discussed the Miro board, reorganized by the Chair.
- Will discuss compostable plastics in our next meeting.
- Comment that the hierarchy should prioritize Earth (returning materials to earth) before anaerobic digestion.
- If members have more notes or questions, please add to the board based on the new reorganization, and we can discuss at the next meeting.
- May want to add a note about garburators. Vancouver has banned them. We don't want organics down the drain. Metro Vancouver also has campaign discouraging fats, oils and grease and other materials from being put down the drain.

4. Suggestion for External Speakers for August Meeting

- Members discussed possibility of inviting a speaker based on what information they may be missing.
- Topics suggested included compostable plastics, and food donation.
- It was identified that Louise has a lot of knowledge on compostable plastics. She will work with Ese to bring a presentation to the next meeting.

5. Discussion on the Agenda/Structure for the November Presentation

- Presentation from Louise about compostable plastics
- Further comments on how Ben has reorganized the hierarchy
- Start to think about the message/recommendations the working group will share with PTAC in November

6. Next Meeting Date and Action Items

- The Chair will send a follow up doodle in next few days, for August meeting

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Food Waste and Organics Management Working Group – Fifth Meeting

Tuesday, August 12, 2024
9:00 am – 10:00 am
Online meeting

Meeting Notes

Attendees: Ben Liegey, Sue Maxwell, Doug Schell, William Selten, Louise Schwarz

Metro Vancouver Staff: Brooke Atkinson, Terry Fulton, Denise Phillips, Karen Storry

ITEMS
1. MEETING NOTES - July 9, 2024 • No comments or edits on notes
2. Food Waste Data: Existing Data and What's Missing • Question on avoidable and unavoidable food waste -- what is Metro Vancouver's definition? o No formalized definition in solid waste department o Closest to a definition is the waste composition categories – data collected is sorted into different categories including unavoidable and avoidable o Unavoidable includes things like pits and peels, things that are not edible o Avoidable is everything else o Metro Vancouver staff to post definition of what goes into each category for waste composition studies o Metro Vancouver to share food waste data showing the differences between household food waste (single and multi family) and commercial • Question: What is the uncertainty of the data? How do you measure it? Is it possible to have commercial sectordata included? o The waste composition study data includes confidence intervals for each category, as well as information by sector. o Staff to include the plus and minus percentage that data is in within the given confidence interval, as well as a breakdown by sector - Question: What is the baseline year for food waste information?

    - 2016 is the best year to use as a baseline (e.g. first year with fully expanded food waste categories)
    - Survey done by Mustel in 2014 shows resident behaviors for composting organics
- Need to focus on Sustainable Development Goal 12 of ensuring sustainable consumption and production patterns. Metro Vancouver has committed to SDGs, including SDG 12.3: reducing food waste by 50% by 2030. This KPI has never been tracked by Metro Vancouver. It should include only food waste (avoidable and unavoidable), and exclude other compostable organics. This data is available for food waste being disposed of. Metro Vancouver to share if it is possible to split organics recycled into food and other compostable organics.
- Important to define unavoidable and avoidable (inedible and edible) food waste
    - the notion of "unavoidable" has been challenged, as it is highly dependent on knowledge (banana peels can be eaten), technology (Susgrainable upcycling unavoidable spent grains to make cookies), and cultural background (with a lot of diversity in Metro Vancouver)
- Study of food waste supply chain in progress nationally and early results show that food waste is decreasing in the restaurant industry, but increasing further up the supply chain
- Work underway in Nova Scotia to pilot circular food hub, similar to work completed in Guelph-Wellington
- Liquid waste (fats oils grease) and garburators – contributing factor to contamination
- Important to capture 'inedible' food waste as well, since this can be an input to circular processes (e.g. Susgrainable)
- Metrics are key - Needs to be certain indicators to help show the food waste going into certain areas to be processed
- Economic development is a part of this – working with businesses on innovative processing
- Metro Vancouver is currently working with FoodMesh to focus on more complete data in 2024/25. Currently FoodMesh reports on their network data, but this doesn't include other players in the space. Based on a successful data pilot with City of Vancouver, FoodMesh will work on inviting/incentivizing those doing similar work outside their direct network to provide data.

3. Composting: Feasibility of Developing Local Infrastructure

- Land use bylaws are important for organics infrastructure to be considered
    - Advocating in community plans for all of functions needed for waste as well as typical usages (e.g. industrial, transportation)
    - This would help provide space for managing all different materials including compost
- Need to make sure infrastructure is local and long term
- To invest in organics infrastructure, businesses require a sufficient volume of organics going to the facility to keep it running
- Current tonnage of organics contemplated in Metro Vancouver RFP is not enough for investing in a new facility
- Proximity to residents is a large issue in the lower mainland for organics facilities
- By localizing processing, transfer sites etc. it will build community and encourage more

sustainable ways of commuting. This should be linked to affordable housing around these potential processing sites
- Residents need to know what is being processed and where – make smell issue less if they know what is going into the facility
- Metro Vancouver can be a leader in capturing organics from the waste stream, but harder to lead in building infrastructure for organics processing

4. Compostable Plastics
- Louise to send out slides to the working group to summarize current work with compostable plastics

5. National Zero Waste Council Update and Questions
- Background information provided for the National Zero Waste Council (NZWC)
- Point of council is to work across sectors and levels of governments to improve policies on waste prevention
- Food waste specific work includes:
  - incentivizing food waste recovery
  - best before dates
  - interpreting good Samaritan acts across the country
  - shared research for food waste reduction
  - working with agriculture food committee
  - circular food systems
- Keeping food in the system as long as possible is a focus for the NZWC
- GHG impact research on food waste – what are the GH impacts through the food supply chain for various types of food
  - more information is need (GHG impact of food waste depending on: 1) type of food (meat, seafood, produce) and/or 2) food supply chain (1kg of food waste in a fine dining restaurant will have a much bigger carbon footprint than 1 kg food loss upstream in the supply chain)
- Need to relocalize food chains as we lose a lot of food waste along the distribution process
- Study with Nova Scotia to see how to relocalize food, key findings include emphasizing the importance of :
  - Procurement and policy support (land use and infrastructure)
  - Technological advances
  - Education within communities
  - Group and cluster supply chain activities
  - Data collection

Questions:
- Is there anywhere in the country that businesses have access to incentives to relocalize food chains?
  - Currently only Guelph-Wellington and Nova Scotia where circular food hubs have been created or piloted
  - Funding for this type of work may be available from organizations such as FCM
  - Proposal for the federal government to hold FLW data and aggregate the data from across the country; would have the resources to establish a platform to dodata

amalgamation nationally
    - NZWC sets the template and methodology for other cities to work on relocalizing food chains
    - Promotes the harmonizing part of relocalizing and data gathering
    - Pilot in place to see how businesses can be involved in the process
- What are the different types of categories you are focusing on for relocalizing food?
    - What was found in Nova Scotia study was:
        - Meat has the highest GHG impact
        - Produce had the highest cost for transport
        - Seafood waste is put back into ocean, so it is hard to track the GHG emissions impact

6. Next Meeting and Action Items

- Chair to send out a poll to set up a date for the September meeting
- Terry to send updated waste data including avoidable and unavoidable category definitions, information on uncertainty, and breakdown by sector

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Food Waste and Organics Management Working Group – Sixth Meeting

Monday, September 16, 2024
9:00 am – 10:00 am
Online meeting

Meeting Notes

Attendees: Ben Liegey (Chair), Doug Schell, John Doherty, Sue Maxwell, William Selten

Metro Vancouver Staff: Karen Storry, Stephanie Liu

ITEMS
1. MEETING NOTES – August 12, 2024

2. Agenda/Structure for November Presentation
• Clarified difference between Nov 7 and Nov 21 presentation opportunities
• On November 21, working groups have approximately 30 minutes to present.
• Focus on data generated, and waste hierarchy and simplification: (**prevention**, **rescue**, **recycling**, **unacceptable** (and then have one slide for each of those subcategories)
• Working group members were asked to share key priorities for each of those sections, highlight any metrics for Metro Vancouver to track, and note any resources that are recommended to refer to.
• Discussion on key priorities:
  • Recycling: Process organics locally within the region, and focus on producing high quality product, e.g. fertilizer (liquid or solid), algae, others.
  • Recycling/Unacceptable: Accept the system is not perfect and will not separate perfectly; but work to remove organics from garbage especially from multi-family as there is a large volume that can be captured. Key is to make a beneficial product. Explore technologies to extract organics from waste
  • Prevention: Explore tactics to target food waste at the source:
  • Easier to enforce at the curb/source rather than the disposal facility. Provide tools; frame as business opportunity
  • Easier to go directly to businesses rather than haulers as haulers have comingled loads from multiple sources
  • Educational campaigns

    - After education, move to penalties that are enough to change behavior.
    - Make it simpler – for example if the service comes as a package service with 3 bins (can't choose just garbage)
- Prevention: enforce bans more effectively and use clear bags so ban enforcement is easier. Some challenges such as privacy issues to consider. Even if condensation makes it difficult to see in the clear bag at the facility, it may help the person at the source separate organics because the perception is that others can see in the bag. Clear bags have been implemented successfully in other areas in Canada.
- Focus on sectors where data shows biggest need/opportunity, e.g. residential v.s. business. 66% of food waste happening in IC&I sectors. Retail sector is more advanced than foodservice sector.
- Improve reporting / accountability: Clear metrics. Vancouver food policy council motion 2 years ago to ensure we're reporting food loss and waste data. Data isn't perfect but exists so let's share it and be transparent.
- Track Sustainable Development Goal. 12.3 to align internationally and track progress year over year.
- Focus on positives, to change behavior. For example highlight any costs savings associated.
- Example mechanism: Waste reduction plan to get business licence each year (Whistler)
- Haulers should be required to report data to Metro Vancouver (not just by-bin but accurate reflection of amount of waste picked up)
- Reference: Scotland Waste Reduction Plan: https://www.gov.scot/publications/review-2019-food-waste-reduction-action-plan/pages/1/
- https://www.sepa.org.uk/media/219841/wst-g-049-food-waste-management-in-scotland.pdf
- Improving data at the source: Can Metro Vancouver organize a program for smart sensors for waste bins, such as bulk discounts? Market sounding to equip businesses with knowledge of technologies available for use. One challenge with sensors is companies want to sell subscription models and have 100% access to all data – businesses don't want to be tied to one service provider. Whistler-Blackcomb trialed some sensors and were able to reduce their waste pickup (Sue will provide contact to Karen)
- Metro Vancouver to align with Regional Planning's work on Food Systems. Also National Zero Waste Council is looking at how to measure food loss and waste across the food chain. Important to foster **cross-department collaboration** as higher in the hierarchy you get to discussions like food security and other things that involve other departments. Ensure waste part is informing and involved with food security/loss/reduction conversations.

3. Review of Food Waste Data

Deferred to next meeting

4. Reporting on SDG 12.3

5. Compostable Plastics (Louise)
Deferred to next meeting

6. Food Waste & Climate Change (Ben)

- Food waste accounts for 8-10% of global greenhouse gas. Need to draw bridges between Climate Action Plan and Solid Waste Management Plan related to food. Need to account for all emissions upstream (not just related to the disposal of food waste), to understand the full GHG impact.
- Would like to see carbon footprint reporting required of all businesses over a certain size here in the region.
- Reference: UNEP Food Waste Index Report: https://www.unep.org/resources/report/unep-food-waste-index-report-2021
- When looking at direct and indirect emissions (as a lot of food consumed in MV does not originate from MV) → When looking at consumption-based emissions, 20% of that is linked to Food. So it's important to include food when looking at climate action plans.
- Metro Vancouver noted it is working on Climate 250 Waste Roadmap. Solid Waste road map looks at disposal emissions while other road maps account for the other indirect emissions. Currently Scope 3 emissions are not reported (i.e. upstream considerations like production of food in another country – i.e. the impact of everything that you buy)
- Waste management plan should include accounting for upstream greenhouse gas emissions
- Reporting is almost more important than the plan itself. As reporting is where you get accountability.
- Organics going in landfill do significantly impact GHG emissions especially if gases aren't being captured effectively.
- Switching from landfill to composting you will save 10% emissions but switching from landfill to waste prevention you save so much more. Simply composting food waste is not the solution.

7. Next Meeting and Action Items

- Staff to provide feedback on presentation approaches across other groups to ensure alignment
- Staff to communicate final agenda and timing for the November 21 presentation day
- Key data request from staff: Data breakdown by sector (e.g. between residential and commercial food waste. Fill in data in highlighted cells here: https://docs.google.com/spreadsheets/d/1oEpMztwRqlPYotJXWyU0fYcWUuLGHKr9/edit?gid=1487564117#gid=1487564117
- Report back on data related to contamination – before next meeting (October)

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Food Waste and Organics Management Working Group – Seventh Meeting

Monday, October 21, 2024
1:00 pm – 2:00 pm
Online meeting

NOTES

Attendees:
Emily McGill (guest speaker), Louise, Doug Schell, Ben Liegey, John Doherty, William Selten
MV staff: Terry Fulton, Stephanie Liu

ITEMS
1. Compostable Plastics (Louise) <u>Invited presentation by Emily McGill (BSI Bio) – Compostable Field Testing Program (Upon invitation by Louise Schwarz)</u> - Provided presentation about compostable plastics and their use after reducing single use packaging overall - Suggested that the solid waste management plan include framework for adapting to compostable packaging technologies (rather than rolling out bans) o e.g. Ability for composters/processers to update their operations to successfully receive compostable plastics - One challenge is numerous types of compostable plastics used, as well as messaging and labelling - Bin liners – attempts to advance the receipt of these at processing facilities; facilities may need to apply for feedstock exemption - Group discussed compostable plastics as the last line of defense (referring back to the waste hierarchy) - One challenge is compostable plastics look just like other plastic so is not easily distinguishable in a load; hesitancy by local governments to allow compostable plastics in organics collection programs - Policies required for product design and processing stages
2. Prepare for November 21 Presentation • **Up to 30 minutes**

- **Format at discretion of working group**
- **Supplementary documents are ok – request they are in a format that can be received and recorded as feedback for the idea generation phase (i.e. please don't submit complex Miro boards)**

- Chair shared draft PowerPoint slides for Nov 21 presentation
- Group discussed how to bring together the food waste and organics discussion – as food waste is only one component of organics waste
- A group member suggested including multiple goals: reduce total organics in garbage; reduce food waste; reduce amount of organics needing processing; improve quality of organics
- Group discussed adding point about developing partnerships with others already working in food rescue
- Emphasized the role of the group is to provide recommendations; good to have some concrete and actionable recommendations rather than just theoretical
- Ensure availability of collection/drop off for organics, and incentives to drive the use of green bin rather than garbage
- Focus is on preventing organics from going to the garbage (v.s. removing organics after commingled disposal)
- Important to focus on commercial food waste as that makes up a significant percentage of total food waste, while the focus to date has been on residential education
- Important to clarify/define avoidable v.s. unavoidable food waste (even what is defined as unavoidable food waste is not truly unavoidable when referring to garbage composition), yet make sure to have food waste reduction targets that include avoidable AND unavoidable food waste
- Connections to systemic food security / access to food. Potential connection to Metro Vancouver Food System Strategy (current engagement) – potential to link to that strategy to acknowledge it, without recreating its content
- Data needed: total organics composted, and a measure of the quality of compost (contamination rate, sales/demand, etc.)

3. Next Meeting and Action Items

- No meeting scheduled before the presentation day on November 21
- Chair to present slides
- Members to provide information / suggestions / edits to Chair as required, before November 21



Metro Vancouver PTAC
Food Waste & Organic Working Group

2024-11-21

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Food Waste & Organic Meetings

PTAC members involved



Ben Liegey (Chair)



Doug Schell



John Doherty



Louise Schwartz



Sue Maxwell



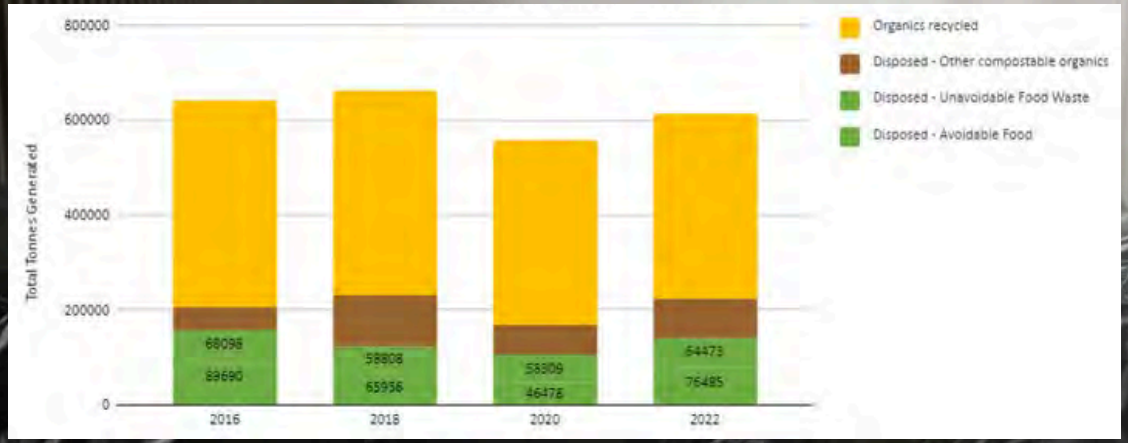
William Selten

6 meetings conducted

- May 13
- June 10
- July 9
- Aug 12
- Sept 13
- Oct 21

Metro Vancouver staff provided administrative support and data/information where requested

533,000 tonnes of Food & Yard Waste / year *(2022)*



Food Waste & Organic Waste Data

Track & report food waste generated per capita vs. 2016 baseline

- Track SDG 12.3 year over year (2030 target: -50% food waste / capita)
- **2016 baseline = 158 kg food waste per capita**

Improve quantification for food waste recycled

- Estimated that 50% Food Waste + 50% Yard Waste
- In the Food Waste part: split residential vs. commercial unknown

Improve reporting / accountability

- Vancouver Food Policy Council's Food Waste Reporting motion (2022)
- Haulers should be required to report data to Metro Vancouver
- Data isn't perfect but exists so let's share it and be transparent

Food Waste & Organic Waste Data

	2016	2018	2020	2021	2022	2023	2030 Target
DISPOSED							
Commercial and Residential Total Waste Disposed [tonnes]	830,461	891,205	845,056	863,306	883,197	906,568	
Food Waste Composition (excluding other compostable organics)	21.4%	14.1%	12.4%	23.9%	17.4%	14.3%	
A: Commercial and Residential Food Waste Disposed [tonnes]	**177,872**	**125,399**	**104,986**	**206,368**	**153,996**	**129,384**	
A1: Residential Food Waste Disposed [tonnes]	113,490	69,436	67,886	108,795	94,081	97,837	
A2: Commercial Food Waste Disposed [tonnes]	64,382	55,963	37,100	97,573	59,915	31,547	
RECYCLED							
Food & Yard Recycled [tonnes] = B + C	434,821	429,690	389,732	401,890	392,044	N/A	
B: Commercial and Residential Food Waste Recycled [tonnes]	217,411	214,845	194,866	200,945	196,022	N/A	
B1: Residential Food Waste Recycled [tonnes]	N/A	N/A	N/A	N/A	N/A	N/A	
B2: Commercial Food Waste Recycled [tonnes]	N/A	N/A	N/A	N/A	N/A	N/A	
C: Other Compostable Organics Recycled [tonnes]	217,411	214,845	194,866	200,945	196,022	N/A	
SDG 12.3							
Total Food Waste Generated [tonnes] = A + B	395,283	340,244	299,852	407,313	350,018	N/A	
P: Population	2,497,052	2,550,047	2,725,392	2,766,953	2,807,469	2,854,375	
Food Waste generated per capita (kg per capita)	158	133	110	147	125	N/A	79
Progress towards SDG 12.3	0%	-19%	-44%	-8%	-27%	N/A	-50%



Food Waste & Organic Waste Data

SDG 12 HUB



Waste Hierarchy & Brainstorming

PREVENTION

RESCUE

RECYCLING

UNACCEPTABLE



Prevention

Make food waste prevention a big priority for the new plan

Continue and expand education to family housing

- Amplify Love Food Hate Waste campaign

Work across sectors and levels of governments to improve policies

- Align with:
  - Waste prevention policies (National Zero Waste Council)
  - Food policies (e.g. Regional Planning's work on Food Systems)
  - Climate policies (e.g. Climate 2050 to include food waste)

Prevention of commercial food waste

Explore tactics to target food waste at source for businesses

- 66% of food waste happening in Vancouver from IC&I sectors
- Restaurants have reduced food waste less effectively than retailers
- Require waste reduction plan/food waste data to get business licence

Provide education, tools and support directly to food businesses

- Easier as haulers have comingled loads from multiple sources
- Frame it as a business opportunity, focusing on positive outcomes
- Provide funding/incentives to track food waste with different solutions

Move to penalties after education

- Penalties need to be high enough to change behavior

Foster cross-department collaboration on food security

- Develop systems to support food sharing/recovery + share successes
- Ex: FoodMesh / Foodstash / Vancouver Food Runners

Map out food recovery assets / food waste solutions per stage of the food supply chain







Clarify what can be donated

- Ex: surplus food from buffets can be donated

Recycling - food waste

Make Organics curbside collection and drop off options available across the region for all residents (SF and MF) and ICI sectors

- Have mandatory recycling composting and waste streams for ICI
- Have incentives to drive the organics materials into the compost stream

Use clear bags to enforce bans more effectively

- Some challenges such as privacy issues to consider
- Clear bags implemented successfully in other areas in Canada

Discuss a pilot of Mixed Waste Processing as in the region of Peel

- Higher diversion rate when processing food waste and recycling together?

Process organics locally within the region, focusing on quality

Quantify recycling options: composted v.s. animal feed v.s. biogas

Recycling - compostable plastics

Design agile policies that can adapt to changing infrastructure and opportunities to innovate

- Temperature and moisture have the greatest impact
- The optimal conditions vary by material type

Develop a supportive framework for addressing the promise and problems with compostable items that incorporates harmonized education, labeling and messaging

Recognize and catalyze the evolution of organics processing infrastructure that supports the diversion of select, targeted compostable items.

Unacceptable

Make it impossible to just choose garbage

- Make it simpler with a package service with 3 bins

Use Avoidable vs. unavoidable with caution

- Clarify definitions of what is unavoidable
- Both avoidable and unavoidable should be unacceptable in disposal

Accept the system is not perfect

- Perfect separation will never be achieved
- Work to remove organics from garbage
  - Food Waste Disposed: 62% Residential / 38% Commercial
  - Food Waste Recycled: split unknown

Carbon foodprint

Food waste = 8-10% global GHG emissions

- Source: 2021 UNEP Food Waste Index Report
- 4 x the carbon footpring of the aviation industry





Include indirect emissions

- Territorial emissions: 15 MtCO2e
  - Food = 3%
- Consumption based emissions: 23 MtCO2e
  - Food = 19%

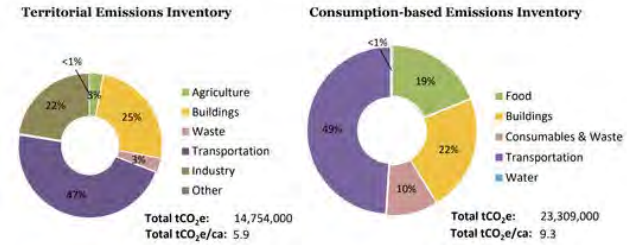


Figure 1: Comparison of the Metro Vancouver Regional Territorial GHG Emissions[1] (left) and Consumption-based GHG Emissions (right), 2015

Require carbon footprint reporting

- For businesses of a certain size

5 Goals and associated Key Metrics

#1: Reduce food waste

Food Efficiency (kg food /capita)

Progress towards SDG 12.3 (%)

Cost of wasted food ($ / capita)

Carbon footprint of wasted food (tonnes CO2e / capita)



Food Efficiency = Food waste generated / MV population



#2: Reduce total organics

Yard Efficiency (kg yard /capita)

Total Organics Recycled (tonnes)

Total Organics Disposed (tonnes)

#3: No organics in garbage

Like in Squamish

#4: Improved food security

Meals donated

#5: High quality of finished compost

Contamination Rate (%)

Food Waste Policies around the world

Benchmark with international jurisdictions

>> Extend the scope of the Performance Metrics Study by Stantec

AUSTRALIA

July 2024: National Food Donation Tax Incentive

CHINA

April 2021: Anti-food Waste Law

Restaurants must educate consumers, offer portion options, and discourage excessive ordering.



Major Developments and Trends Since September 2023 | Champions 12.3

Major Developments and Trends Since September 2023 Governments Governmental action is key to successful efforts to reduce food loss and waste. Policies put in place by governments can either help or hinder...

Helpful Resources

2015: United Nations SDGs (Sustainable Development Goals)



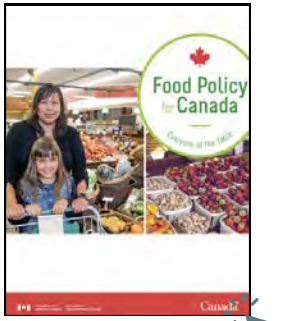
2016: First ever Food Loss & Waste Reporting Standard



2016: Vancouverites required to sort organic waste



2019: First ever Food Policy in Canada



2022: Food Waste Motion urging to report food waste data



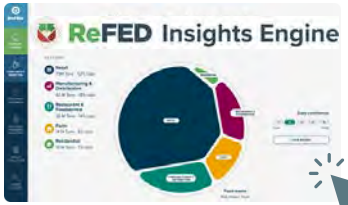
BetterTable™ Academy



Food Synergy Movie



ReFED Insights Engine



ReFED's Find food waste solution providers




ZERO
WASTE

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN PUBLIC/TECHNICAL ADVISORY COMMITTEE WORKING GROUP

Plastics Management Working Group – First Meeting
Meeting Notes
Wednesday, April 17, 2024 2:00 pm – 3:00 pm (Zoom)

Attendance

Working group members	Metro Vancouver staff present
Sue Maxwell, Chair	Brooke Atkinson – PTAC Coordinator
Louise Schwartz	Chris Underwood – Division Manager, Solid Waste Planning
Tara Immell	Karen Storry – Senior Engineer, Solid Waste Planning
John Doherty	Samantha Joy – Working Group Coordinator
Raman Johal	Zeenia Mizan – Solid Waste Community Engagement Program Assistant
Kevin Huang	
Michael Zarbl (absent)	
Hunter Bergen (absent)	
Brianne De Man (absent)	

ITEMS

1. MEMBER INTRODUCTION

- Members introduced themselves and shared their interest in being a part of this plastics working group

2. FOCUS TOPIC DISCUSSION

- Karen Storry presented on the background for plastic recycling in the Metro Vancouver region and what Metro Vancouver is currently working on for plastic reduction, recycling, and disposal
- Examples of how Metro Vancouver supports plastic reduction and recycling include:
    - Operating several Recycling and Waste Centre drop offs for plastics (foam, flexibles and mixed containers, bulky 2&5 plastics, and refundables)
    - Education role to improve recycling confidence with residents through events like PNE and behaviour change campaign (What's your Superhabit?)
    - A number of reuse projects including Reuse Days, RCBC reviewing sustainable options and education needs, Ocean Ambassadors webinars for businesses, Metro Vancouver head office cafeteria reusable cup program, UBC sustainability scholar case studies
    - Collaboration efforts includes working with other organizations like the Canadian Plastics Pact, National Zero Waste Council Reuse Working Group

    - Metro Vancouver Disposal bans (EPR Plastics and Extended Polystyrene) at Metro Vancouver regional solid waste facilities support plastic diversion
    - Metro Vancouver works with other levels of government (municipal, provincial, federal) on policy and regulation to address single-use items and plastic waste
- Plastics textiles waste has stayed consistent since 2016 until 2022, but it is still too much per person in the region
- Could clothes be diverted? Hard challenge for the industry to solve due to limited markets, wool and cotton can be mechanically recycled, but plastics and blends have limited recycling opportunities
- Metro Vancouver has a behaviour change campaign for textile reduction (Think Thrice)

Potential focus area discussions:

- Moving up the waste reduction hierarchy to reuse, repair and refill.
- Programs
    - Home recycling for film plastics
- Recycling confidence
    - How can we make sure the end markets are local? Not just the recycled resin made locally, but also having local manufacturers use the resin?
    - Recycling end market traceability for commercial sector recycling
- Upstream systems change/product design/end markets
    - Design of plastic products for recycling end markets
- Regulation
    - Recycled content minimums
    - Address plastics collected for recycling that are being sent to disposal
- Sustainable procurement/education for specific groups
    - SUI reduction/education for
        - small ethnocultural businesses
        - suppliers of food service ware
    - Cafeteria clients such as schools all working to understand the market capabilities of the service providers.
    - Strata organization better recycling performance and contract for MF buildings
- Potential to work upstream to ensure circularity in our recycling systems
- Focus areas chosen and potential solutions and ideas presented should be related to what Metro Vancouver considers with respect to an updated solid waste management plan, including potential actions that may be in Metro Vancouver's direct control, and actions that Metro Vancouver may influence

3. CHAIR SELECTION

- Sue Maxwell was selected as chair and Louise Schwartz as vice chair if Sue is not available

4. MEETING FREQUENCY and NUMBER

- A shared document will be created for the group to share information on what members already know and to focus each meeting on the areas with more interest

- Monthly one hour meetings except August

5. MEETING FORMAT

- Online

6. POTENTIAL PRESENTERS/ OTHER INFORMATION OR RESOURCES REQUIRED

- Karen to provide relevant Metro Vancouver data and information as needed upon request by working group members

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Plastics Management Working Group – Second Meeting

Thursday, May 16, 2024
3:00 pm – 4:00 pm
Online meeting
Microsoft Teams

Meeting Notes

Members in attendance: Brianne De Man, John Doherty, Doug Schell, Louise Schwarz, Michael Zarbl

Metro Vancouver Staff: Karen Storry, Brooke Atkinson

ITEMS
1. MEETING NOTES – APRIL 17, 2024 • Members were asked if there were any edits to the meeting notes. No edits were provided.
2. FOCUS NOVEMBER PRESENTATION • **Relate to Solid Waste Management Plan Update Issue/Opportunity Discussion Questions** o Metro Vancouver is suggesting and recommending the use of the issue/opportunity discussion questions as a guide or framework for reporting back to the main PTAC committee at the end of the year, to streamline data collection and analysis of feedback from the idea generation phase across all audiences. o Feedback gathered from PTAC members on the discussion questions at the April 12, 2024 meeting will be used to update the questions. Updated questions will be provided to working groups.
3. Miro Board • The Chair explained how to use the Miro board for populating potential discussion topics and ranking them for focus topics of each meeting. • Information is included on the Miro board related to what Metro Vancouver is currently doing with initiatives and statistics for recycling in the region. • There is also other information from organizations in the waste industry (consumer plastics statistics and landfill information). • Members are encouraged to add to the Miro Board on what their interest areas are and to rank others. • This phase of the solid waste management plan update is to work on ideas and solutions for the current problems in the waste system, goals will be generated in the next phase.

- Members looked at the Miro board and discussed ideas and concerns on the board.

Areas of interest discussed:

- Extended Producer Responsibility (EPR) Programs:
  - Currently, Extend Producer Responsibility (EPR) is focused on difficult to recycle items, but there should be a way to focus more on the redesign, reuse, and repair of items rather than trying to mitigate the disposal through EPR.
  - More policies are needed at a larger scale to support repair, reuse, redesign items through EPR programs.
  - Equity perspective is important for EPR programs, making sure that the expense is going back to the producer rather than on the consumer.
  - Producers are making incremental change through the design of products (recycled content, less plastic packaging, etc.). Consumers need to keep pushing for producers reducing plastics.
- Educating consumers should be the producers responsibility and not consumers. Make sure the producers can implement labelling to support educating the consumer, can be done through governments regulating.
- Need a regulatory environment like in Europe that does not allow items to be disposed in landfill, forces alternatives to be implemented.
- Need to be able to have regulations to ensure companies have parts available for fixing appliances/electronics, since they are not available, it incentivizes buying new instead of repair – costly.
- Ensure harmonization on single-use items for municipalities, enable them to put their own bylaws in place (rather than have provincial approval).
- Need stronger provincial regulations for IC&I plastic reduction.

4. Next meeting date and requests for Metro Vancouver staff:

- The Chair will send out a Doodle Poll to decide the June meeting date.
- Members discussed what information Metro Vancouver staff can provide to the group to support their focus areas.
- Request for staff to provide 5-10 case studies or examples from other jurisdictions that complement/expand on Miro Board entries.
- Request for a list of what kind of plastics are not recyclable and where those items are coming from, to see where they need to be eliminated.
- Request for staff review Miro Board and provide feedback on current status of the suggestion.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Plastics Management Working Group – Third Meeting
Thursday, June 10, 2024
9:00 am – 10:00 am
Online meeting

MEETING NOTES

Attendance: Sue Maxwell, Doug Schell, Brianne De Man, Tara Immell, Michael Zarbl

Metro Vancouver Staff: Karen Storry, Brooke Atkinson

ITEMS
1. MEETING NOTES – May 16, 2024 • Doug Schell (Vancouver Coastal Health) and Brianne De Man (EMBERS Eastside Works), introduced their new job roles to the group • No edits to the meeting notes from May 16, 2024
2. Extended Producer Responsibility (EPR) for products/packaging with plastics EPR for Industrial Commercial and Institutional sector could be focus area: • EPR programs focused in the Provincial regulations – packaging and consumer products • Province looking at trying how to handle nonresidential packaging • By the time the solid waste management plan update comes into play – the Province may already have set their regulations • Focus could be looking at how effective the EPR programs are at addressing the current issues • Prioritizing the most important EPR programs to tackle will be easiest to breakdown where the issues are and how to come up with solutions • Current EPR programs don't do the things that are priority – reducing waste and designing better products to begin with. Note this is important for producers to pay the full costs of a program to incent better design. • Group to explore the priorities for EPR programs and suggestions on how to improve them • Vancouver Coastal Health doing programs with PPE – recycled through a company – able to take the metal out of the PPE to be able to recycle medical equipment • To what degree do organizations and businesses have the resources they need and support to be able to reduce their waste and be a part of EPR programs Programs and policies to make sure all business have a basic level of recycling: • Organizations should be able to take initiative before Metro Vancouver and the Province come in to help and support with implementation

- Accountability for all business – especially for public sector - Publically funded organizations should be leaders
- Education - Business coaching – Lethbridge has coaching for business for 3 stream system
- Mandatory recycling for the business sector - How to enforce businesses to recycle when the EPR programs are not strong and prevalent enough
- IC&I for businesses – should have stronger policies for zero waste to reduce waste at the source and less into the landfill
- Large companies in the IC&I sector could implement their own recycling programs
- Smaller businesses – should have opportunity to have their own recycling programs in place and stronger business policy to focus on zero waste
- Disposal bans for easy to recycle materials – Metro Vancouver did a good job with the organics disposal ban rollout and could use that model
- Pathways for recycling – understanding the end markets
- Metro Vancouver to put in place ways to enforcing disposal bans at point of source, rather than with the haulers who drop off at facilities
- Eliminate hard to recycle plastic
- Accessible recycling markets [to small business/commercial] for items like coffee cups and film plastics
- Without the regulatory environment to enforce it – businesses and residents won't do it
- Pushing for change for Metro Vancouver to push Province –very important to also look at design and rethink how designing products to make it easier to recycle and have EPR programs in place
- Need a suit of policy and regulation
- EPR with eco-design and Eco modulation built in

3. Reduction

Programs and policies to move plastic products up the pollution prevention policy to achieve durability, reuse and repair.

- Right to repair (like in Quebec)
- Investment in solution and pilots for collective reuse system
    - More reuse drop-off infrastructure like Urban Repurpose at the North Shore
    - Reuse first at regional facilities (similar to the Quesnel landfill)
- Standards for reuse for things like food service ware so systems are more harmonized
- More education and behavior change like think thrice to help consumers think reuse.
- Need to have an intercept point that is prominent to get people to think about diversion
- Behavior change is important to intercept people when they are doing the action to be able to get them to think about other options that focus on reuse and diversion

4. As time permits, items flagged in yellow – did not discuss

5. Solid Waste Management Plan Update Issues/Opportunities Discussion Questions – Updated

- It is suggested that members use the draft issues/opportunities questions as a framework for their focus area presentations at the November 21 presentation day.

6. Next Meeting and Interim Actions

- Chair to send out the next meeting doodle poll
- Members to fill out the Miro Board with concern areas

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SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Plastics Management Working Group – Fourth Meeting
Thursday, July 25, 2024
1:00 pm – 2:00 pm
Online meeting

MEETING NOTES

PTAC Members Present: John Doherty, Sue Maxwell (Chair), Louise Schwarz

Metro Vancouver Staff: Brooke Atkinson, Karen Storry

ITEMS
• **MEETING NOTES – June 20, 2024**   ◦ No edits or omissions for the meeting notes

• **Reduce**
  ◦ Discussion on key actions the group has not included on reduction for input to Metro Vancouver
  ◦ Reduction pieces could be more time bound and general directions on reduction could be more for the longer term plan update
  ◦ Actions:
  ▪ Golden design rules for plastic packaging was discussed – focus on procurement (what consumers are choosing to buy) Golden Design Rules for Plastics Packaging (plasticspact.ca)
  ▪ Unsold goods are something to focus on (i.e. after forest fires for insurance policies throwing out store items)
  ▪ Reduction Policies driving the wasting of items in certain scenarios
  ▪ Design for durability requirements – Metro Vancouver is responding to the ECCC plastic pollution prevention in the apparel and textiles sector discussion paper due September 1. As part of that feedback Metro Vancouver staff are advocating for durability requirements and labelling.
  ▪ Right to repair – should be included in suggested approach to include in policies
  ▪ Reusable items – could be more of an issue than single-use due to transport costs and environmental impact, as well as resources used to clean the items
  ▪ Reusable items are only truly reusable if you reuse them – if too many are distributed then they could end up as waste in a landfill

• **Reuse**

- Actions related to reuse:
    - Reuse of buildings – more plastics in buildings as time goes on and need to reduce that by reusing those materials
    - Construction sector should have to report out on how much plastic used for products
    - When that construction data is collected – will that data be used to inform the plan update on how to reduce those materials over time once we know how much is being wasted currently?

- **Any items flagged as yellow or red on the Miro Board**

Actions:

- Need a push for Extend Producer Responsibility (EPR) for all consumer products – challenges are that not all EPR programs are functioning as they should.
    - EPR should be functioning as more of a top down on the waste hierarchy – should look into eliminating and reducing the products that enter the system, rather than the other end where it is getting processed and sometimes hard to process
    - Good to look at what the goals are for the EPR programs – trying to manage and eliminate waste design on the upstream – to avoid incineration
    - Look at what the requirements are for EPR to function correctly to be able to process those products at the end of life, and eliminate the ones that are hard to recycle
    - Focus on the outcomes of the EPR, rather than the policy you want to change the program
    - Putting costs on the stewards and users rather than governments is valuable to reflect true cost for consumers
    - Caveats around EPR is needed
- Educating people for reuse, repair and recycle and how to consume more wisely (chemicals to be concerned about, footprint of products, how to assess quality and what the lifetime cost may be, sharing consumer reports through libraries etc.)
    - Having places where people can get the quality information and discourage misinformation sharing
    - Availability of transparent, clear accessible information – not putting onus on people to go out and seek that information
- Making it easier to do multi-stream recycling
    - Support the industry to serve the public in that way rather than making them do it or expecting them to do it
- Work with education facilities to expand systems – like UBC mindful move out
    - Good to work towards, but hard to implement as it needs funding to make it happen
    - Harder to get initiatives like this to get approved if there are no funding programs in place
    - Case study would help then its easier for faculty to accept
    - Need an organization to lead the initiative to create a coalition to discuss and implement this type of program
- Encourage requirements for zero waste plan as part of business licensing in member municipalities and product support (can start sector by sector)

  - Need to hold accountable every participant in the waste management process (haulers and businesses)
  - Helpful for zero waste plans to be enforced with businesses – gets them thinking about what they do waste on a daily basis (offer classes and best practices)
- Work with tourism sector to offer reusable bags, beverage containers, etc. in rooms and develop shared campaign for tourists to travel lighter
  - Need to know the life cycle of the reusable products that tourist company is giving out
  - Helpful to ban small toiletries (shampoo conditioner body wash) – reduces the plastic packaging (short term effective ban)
- Campaign to reduce bottled water use
  - Make sure to have an equity lens on this for access to water (Metro Vancouver currently doing water wagon)
  - Post-secondary facilities should ban them, there are a lot of plastic bottle use from students
- Support neighboring sharing networks
  - being able to share tools or equipment (local library share programs) tool library and thingery – how to support existing networks for sharing
- Encourage the use of reusable diapers
  - Make sure to have equity lens for affordability
- Supporting multi-family buildings to have less waste
  - Encourage strata organizations to have better recycling performance and good contacts for service of buildings and property management companies
  - be able to hold multi-family buildings accountable to be more environmentally conscious for bylaws and provide them education
- Mandate three stream collection for all construction renovation and demolition companies
  - Focus on the service providers rather than project owners
  - Provide feedback to citizens, businesses on results to show transparent and foster trust
  - Have the data independently verified – is hard to get accurate results for the waste data coming from haulers
  - Look for opportunity for waste diversion in waste composition studies – urban repurpose example – helpful for diversion and need to support this more to include in waste comp studies data collected

- **Next Meeting and Interim Actions**
- No meeting in August, next meeting in early September
- Chair to send out Doodle poll for September meeting date

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Plastics Management Working Group – Fifth Meeting
Monday September 16, 2024
11:00 am – 12:00 pm
Online meeting

Meeting Notes

Working Group Member Attendees: Sue Maxwell, Louise Schwarz, Brianne De Man, Douglas Schell

Metro Vancouver Staff Attendees: Brooke Atkinson, Karen Storry

ITEMS
1. MEETING NOTES – July 25, 2024
2. Review draft recommendations from Miro Board input - Word document was created by the Chairs by putting together all of the discussions for far in the working group. - The discussions are grouped into the focus areas that Metro Vancouver provided for discussions and input on the idea generation phase - Working group members are encouraged to go through the google document and provide any edits or suggestions
3. November 21 PTAC Presentation Day – Presentation Format - The google document will be used as a basis for the presentation format
4. Next Meeting and Interim Actions - Chair to send out the google document for members to work on as well as a doodle poll for a meeting in October

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE
WORKING GROUP

Plastics Management Working Group – Sixth Meeting
Wednesday October 9, 2024
2:00 pm – 3:00 pm
Online meeting

MEETING NOTES

PTAC Members Present: Douglas Schell, Sue Maxwell (Chair), Brianne De Man, John Doherty, Louise Schwarz

Metro Vancouver Staff: Chris Clarke, Karen Storry

ITEMS
1. MEETING NOTES – September 16, 2024
2. Conclude review of draft recommendations from Miro Board input • Review of comments in google document; create clean version of document for practical use by MV staff, and others, but keep version with comments and details for specific details/examples • Can MV reach out to parties to see if more classes (Repair, vocational training) bicycle repair program can be implemented in any other post-secondary universities
3. November 21 PTAC Presentation Day – Review Key Components o 30 mins to present results of findings; plenty of time; use plastic working group draft recommendations as basis for presentation
4. Next Meeting and Interim Actions • Prepare for presentation, approach MV for any support required.



Metro Vancouver PTAC
Plastics Working Group

Public Consultation and Engagement Summary Report | 1378

Plastics Working Group Meetings

PTAC members involved

Brianne De Man
Doug Schell
John Doherty
Kevin Huang 黃儀軒
Louise Schwarz
Michael Zarbl
Sue Maxwell
Tara Immell

Metro Vancouver staff provided support and data

On most items, we came to consensus but we will flag the areas with differing view points with this symbol



6 meetings conducted

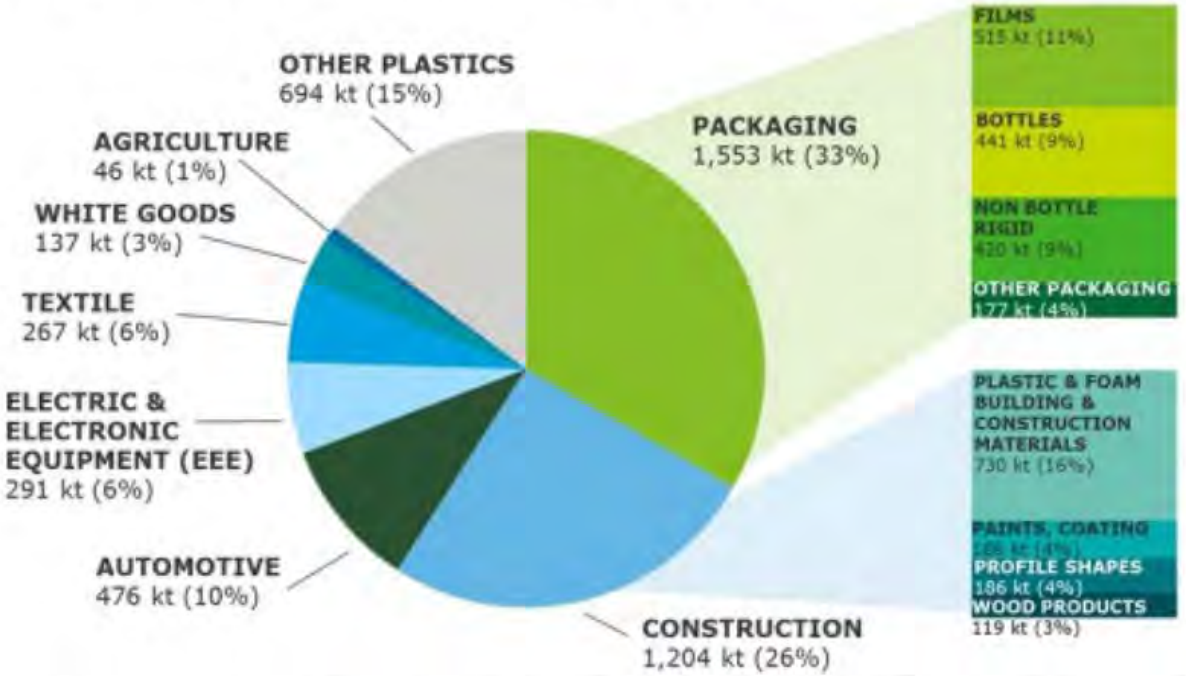
142,287 tonnes of Plastic Waste / Year *(2022)*



Primary Category	Combined Composition[1]
Disposed Tonnes	**889,292**
Paper	17%
Plastic	16%

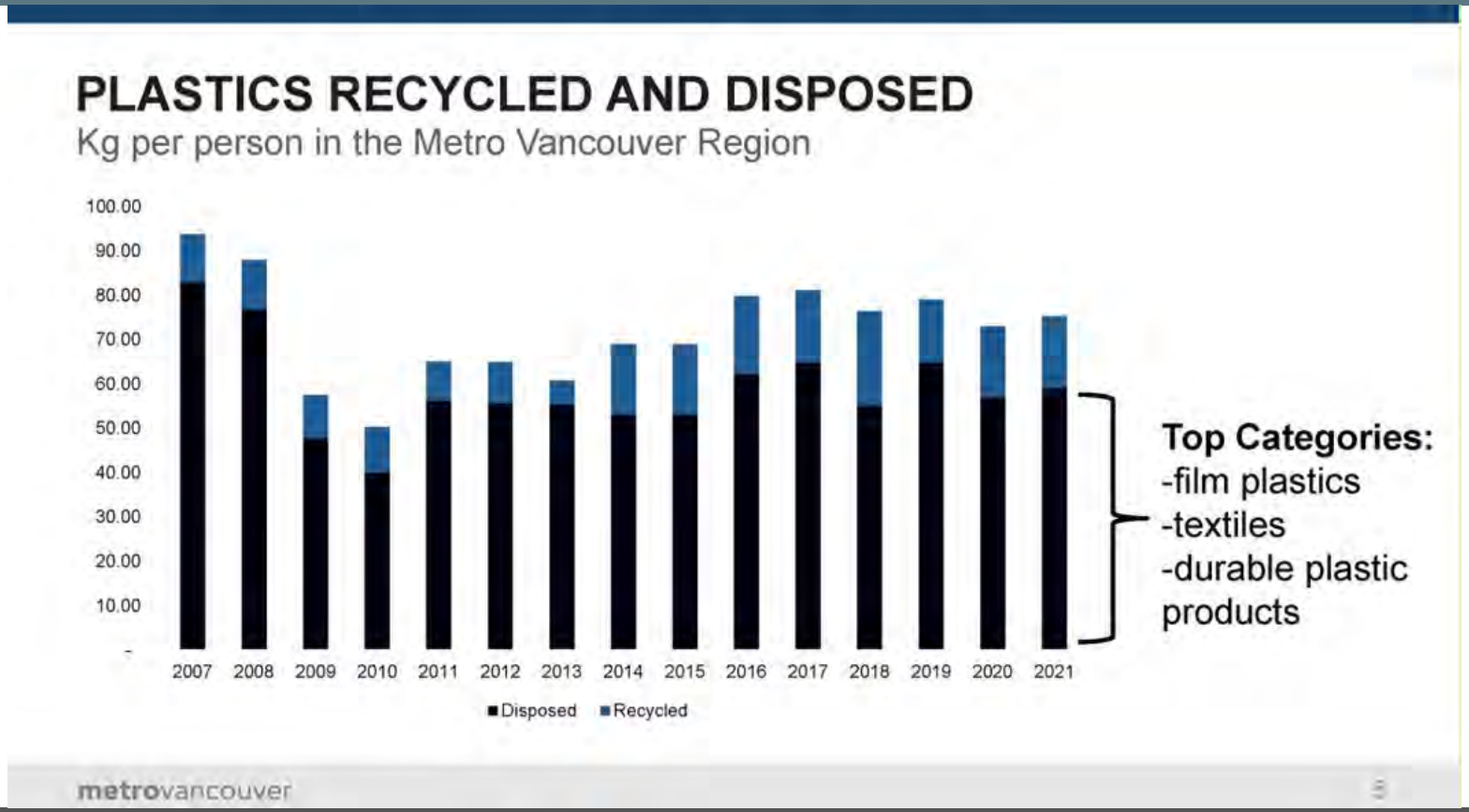
Waste Data

END-MARKETS FOR PLASTIC PRODUCTS IN CANADA (KT, 2016)



Source: ECCC Economic Study of the Canadian Plastics Industry, Markets and Waste

Waste Data


PLASTICS RECYCLED AND DISPOSED
Kg per person in the Metro Vancouver Region
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
-
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
Disposed
Recycled
Top Categories:
-film plastics
-textiles
-durable plastic products
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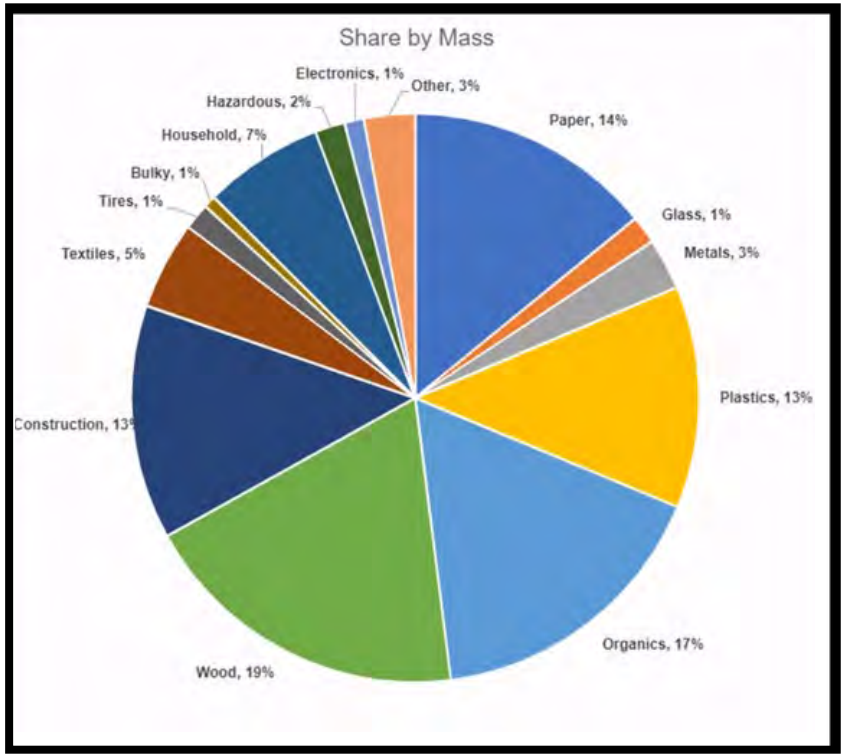
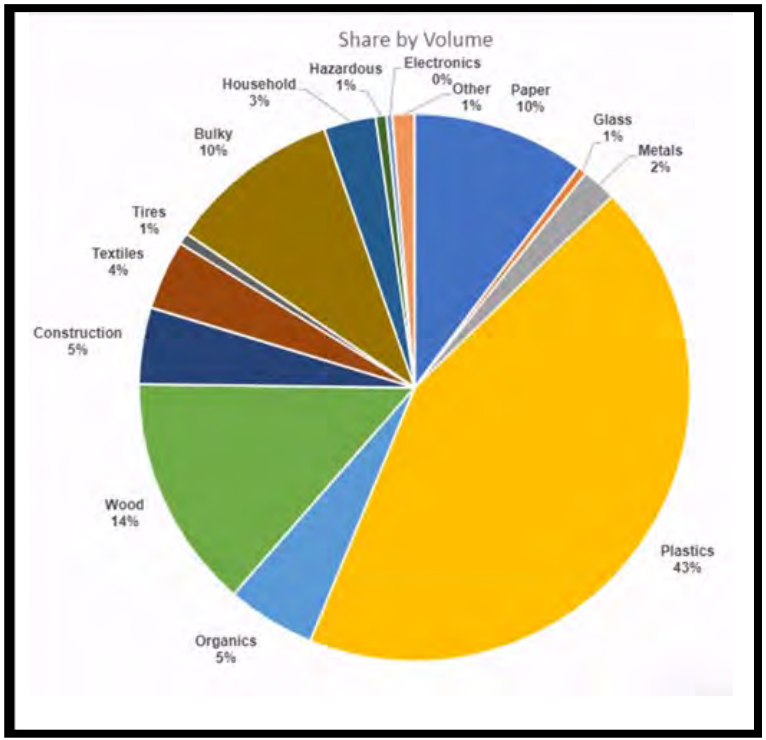
Plastics take up space

Mass

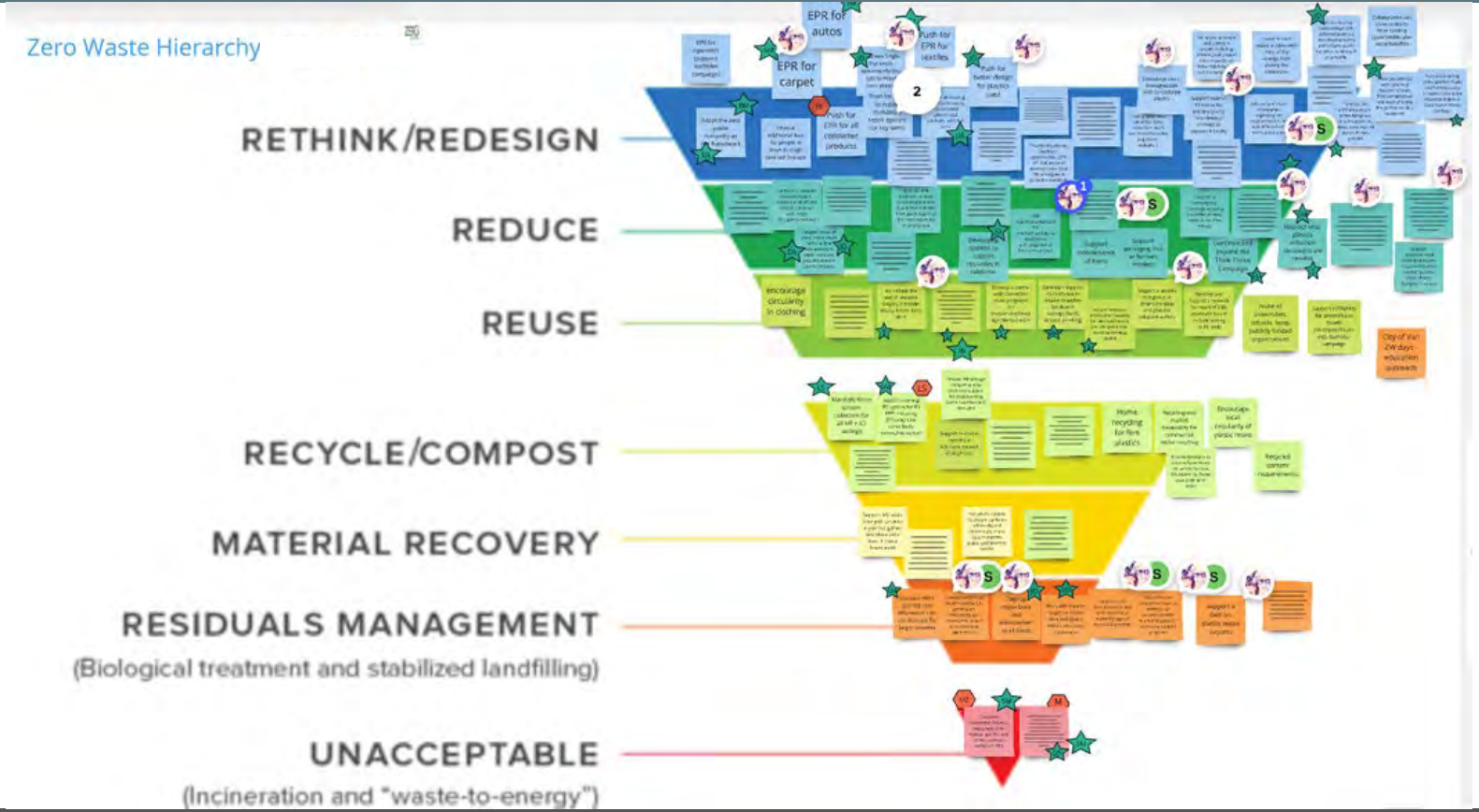


Volume



Hartland Landfill Waste Audit, Info Rory Tooke

Waste Hierarchy & Brainstorming



Prevention

- Pursue Zero Waste
- Advocate
- Reduce
- Create & Support Sharing Networks
- Make Reuse, Maintain and Repair the Norm
- Support Reusables in Food Services
- Tackle Textiles
- Education and Communication





Enhance Accountability

- Improve EPR
- Business Accountability
- Hauler Accountability
- System Accountability



Leverage Knowledge and Expertise...Collaboration



- Educate on impacts
- Model policies
- Build support
- Workshop solutions
- Partnerships including with First Nations
- Ongoing PTAC

Recycling & Organics



- Mandate streams -source separation -MF, ICI, CRD, streetscape
- Support BC system for ICI PPP inc EPR

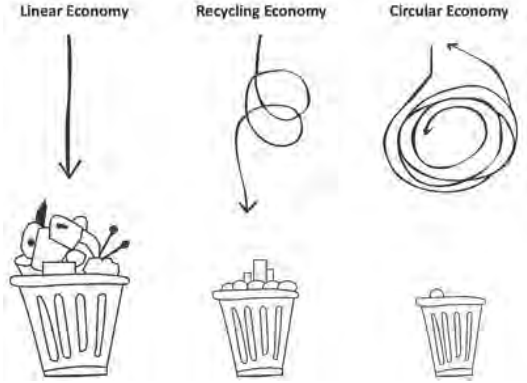
- Collection for residential film plastics (+ glass)
- Tools and support for ICI settings

Inclusion

- SUI reduction -education for small ethnocultural businesses and suppliers
- Campaigns in key languages
- Collaboration with diverse communities (meet where they are)



Infrastructure and systems



- Local circularity of resins
- Reuse of large items (pickup)
- Litter clean ups/brand audits
- Facility to process auto shredder fluff
- Close the incinerator and focus on waste prevention
  - Use land for C&D +R reuse
  - Enact a policy to prevent use of destructive thermal waste management

Goals in Canada

- Federal -Zero Plastic Waste by 2030
- Provincial -EPR for textiles, carpet, all PPP, autos (CCME 2009)
- Canada Plastics Pact
  - 100% of plastic packaging being designed to be reusable, recyclable or compostable by 2025
  - 50% recycled/composted by 2050
  - 30% recycled content by 2025

Waste Policies around the world

- Global Plastics Treaty
- EU
  - 5% less packaging by 2030, 10% by 2035, 15% by 2040
  - reduce empty space in pkg -max 50% space
  - banning pkg for fresh fruit/veg and beverages in cafes/restaurant by 2030
  - banning individual portion condiments and toiletries plus light plastic bags by 2030
  - reuse targets for certain beverages -10% must be in reusables, customers can bring their own containers by 2030;
  - all pkg recyclable by 2030, min recycled content for plastic pkg, min recycling targets by wt; by 2029 90% single use beverage containers must be collected separately

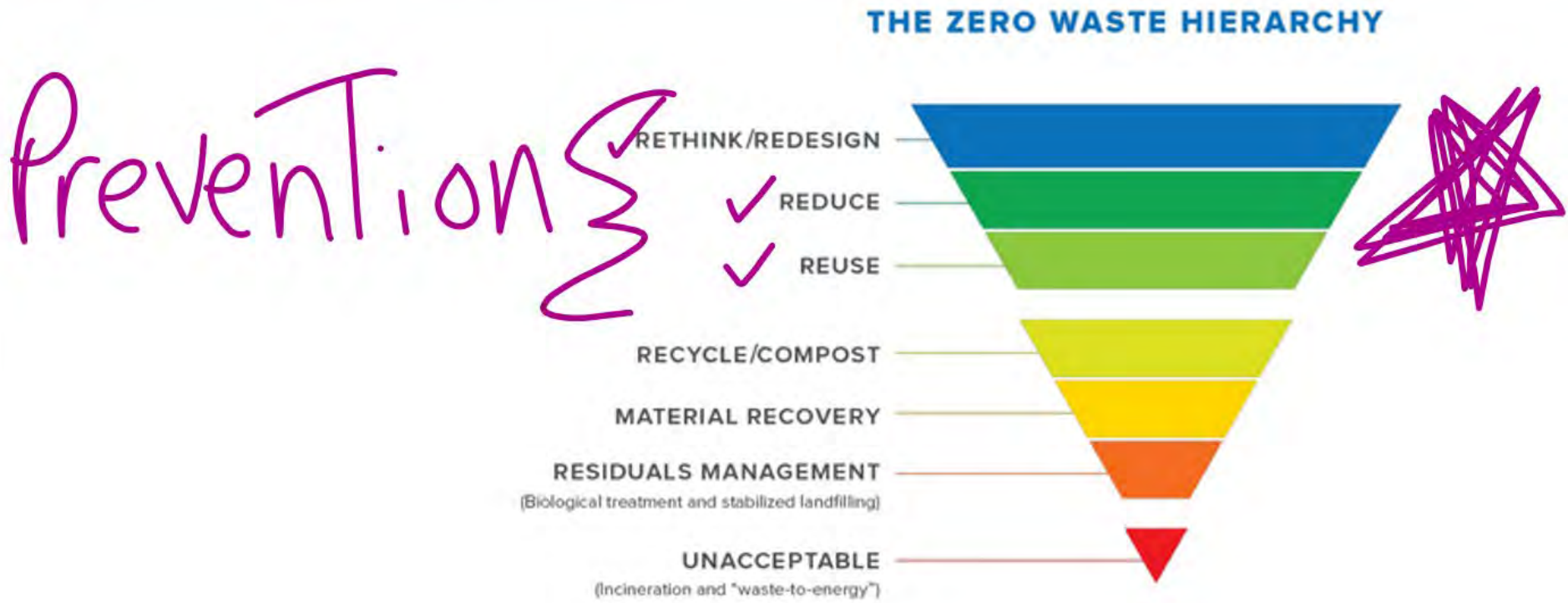
Helpful Resources

- Federal goals -Government of Canada's plan to achieve zero plastic waste by 2030. https://www.canada.ca/en/environment-climate-change/news/2020/10/canada-one-step-closer-to-zero-plastic-waste-by-2030.html
- European union goals -https://www.europarl.europa.eu/news/en/press-room/20240419IPR20589/new-eu-rules-to-reduce-reuse-and-recycle-packaging
- Canada Plastics Pact /EMF Goals: https://plasticspact.ca/the-solutions/
- Unnecessary or Problematic Materials https://plasticspact.ca/wp-content/uploads/2024/04/CPP_UnnecessaryProblematic_GuidanceDoc.pdf
- Zero Waste Hierarchy https://www.zerowastebc.ca/wp-content/uploads/2022/09/ZWIA-Zero-Waste-Hierarchy-8.0-final.pdf
- UN EP Plastic Report -https://www.unep.org/plastic-pollution

References

- CCME (2009). Canada-wide Action Plan for EPR https://ccme.ca/en/res/cap-epr_e.pdf
- ECCC Economic Study of the Canadian Plastic Industry, Markets and Waste https://publications.gc.ca/collections/collection_2019/eccc/En4-366-1-2019-eng.pdf

Summary: Focus on Prevention



The following document was submitted by the Public/Technical Advisory Committee Plastics Working Group. These recommendations represent the range of diverse perspectives among the working group members. As a result, there are some points presented that do not have consensus among all members.

Metro Vancouver Public Technical Advisory Committee -Plastics Working Group Recommendations

These recommendations represent the range of diverse perspectives within the working group members. As a result, there are some points presented that do not have consensus among all members.

These recommendations were developed over a series of monthly meetings. The aim was to provide general direction and allow Metro Vancouver staff to further develop actions as early ones are completed given the ten-year length of the plan. The intent is to have staff continue to work on the areas until the targets are met rather than ticking off the early steps and considering it sufficient. With the direction, it is hoped that Metro Vancouver will endeavour to implement the actions and work in that general direction, whether it is by implementing actions that it can take directly, working with its member municipalities to have them take actions, working with partner organizations or advocating for change with other governments.

1. Rethink and prevent waste in the first place?

Pursue Zero Waste

- Adopt the Zero Waste Hierarchy as the underpinning framework
- Set waste reduction and collection targets including interim goals (report back to public on these regularly with communications campaigns)
- Invest in zero waste actions with most of the savings from closing the incinerator (note concern was raised that the district energy system was locking Metro Vancouver into long term use of the incinerator and a question about the timing)
- Use public procurement/METRO procurement to support ZW (for example. do not purchase problematic plastics; choose reuse, maintain, repair, quality) and encourage other organizations to do the same. Support the keen innovators that are delivering the services in the way that is the model. Use a tool to support end markets. Consider allying with others int eh public sector like post-secondary institutes.

Advocate

- Provide input to all feedback opportunities (EPR, BC, fed, etc.) and develop some clear ZW principles to guide this feedback.
- Apply a higher standard to public entities in all aspects of Zero Waste initiatives. Trust needs to be earned in order to achieve Zero Waste. Consider transparent measures and metrics.
- Push for a strong global plastics treaty and federal policy on waste; plus quick implementation of Zero Plastic Waste Strategy

- Support federal P2 notice for grocery stores and develop strategy to support it locally. Ensure monitoring and reporting back are parts of the system.
- Support federal and provincial tools that support the first 3 Rs of the ZW hierarchy and EPR
- Work with the province to eliminate the need to have provincial approval on municipal bylaws relating to environmental protection (consider if there is no blanket allowance, work to have key sets of policy pre-approved the way SUP policy, empowering municipalities to pilot items, make a suite of options available that can be harmonized)
- Look at what the next set of SUI bans should be -work with munis/prov/fed (e.g plastic teabags, cigarette butts, hotel amenities,etc.)
- Push for better design for plastics used and eliminating use of unnecessary + problematic plastics and additives with Fed/Prov. Discourage use of biodegradable and compostable plastics
- Push for right to repair, mandatory repair options for key items (ties into inclusive)
- Work collectively with RDs/Prov/Fed on what changes are needed regarding policies that support wasting -liability (for reuse/repair) and insurance (requirements to throw away everything after a disaster)
- Consider partnering with post-secondary institutes on what education and services can be offered (e.g. repair). Also advocating to ensure any barriers such as liability are addressed.

Reduce

- Continue to support active transport, public transport and shared transport over single occupancy vehicles (to decrease need for SOV). Also support shared options in high traffic areas.
- Support packaging free items at farmers markets and elsewhere
- Support reusable menstrual solutions instead of single use

Create and Support Sharing Networks

- Expand the roles of libraries or set up new ones for specific items. Develop model policy and practices for tool libraries, toy libraries, kitchen gadgets, etc. Support with communications. Do this in partnership with municipalities. (ties into inclusive)
- Support neighbourhood sharing networks + supporting other sharing systems (Tool Library, Thingery) + strata sharing programs. (ties into inclusive)
- Consider partnering with post-secondary institutes to support sharing networks and also consider them as a source of sharing (space for community events for example)
- Map out assets that can be shared -community reuse, repair and sharing (Squamish is working on it, Share Reuse Repair has some for the Lower Mainland and Portland, OR is a good example.)

Make Reuse, Maintain and Repair the Norm

- Expand and make regular pilots like the Urban Repurpose resale store is allowed to do @ North Shore Transfer Station -"intercept" people throwing away usable items. Expand it to staff taking reusable items as another category as a permanent feature.

- Encouraging reuse at universities, schools, hospitals, publicly funded organizations and other sectors. Work with education facilities to expand systems like UBC's mindful moveout (will need support, perhaps case study, funding, tool kit, coalition -group). Encourage healthcare to move to reusables, share info on progress and examples (for example glove use, exam table covers, reusable masks). Work with tourism sector to offer reusable bags, beverage containers, etc. in rooms and develop shared campaign for tourists to travel lighter (footprint); refillable amenities. Collaborate with public sector partners to determine and address barriers.
- Encourage the use of reusable diapers (consider equity lens) long term
- Develop and support a network for reuse of CRD materials (could include setting aside land); deconstruction principles, policies & programs, linked to C&D working group. Partner with others to develop a supply of reusable materials that can then lead to requirements in RFPs for a certain % use of materials.
- Invest in reuse solutions and pilots (more drop off infrastructure, reuse first at regional facilities by providing separate areas for working/reusable items to be placed
- Support repair of items; more repair cafes, online connections to repair manuals, possible maker spaces for parts. (ties into inclusive)
- Support maintenance of items

Support for Reusables in Food Services

- Address single use items systemically (not just to move from plastic)
- Develop metro-wide connected reuse programs for foodservice/beverage takeout ware
- Develop + support model bylaw to require reusables for dine in settings (Banff, Victoria - pending)
- Require adequate dishwasher capacity for new foodservice permits (work with munis or develop model)
- Consider a campaign to encourage enjoying the coffee or meal (dine in, not fast eating)
- Develop standards for foodservice ware so can harmonize systems
- Explore ways to reduce single use items distributed through drive throughs
- Developing systems to support reusables in cafeterias, food courts and catering

Tackle Textiles

- Continue and expand the Think Thrice Campaign/encourage circularity in clothing
- Support a textiles hub group to determine gaps and plan for collective actions

Education and Communications

- Provide MF settings comprehensive tools and support for implementing waste reduction and diversion
- Consider educating the public on how to consume more wisely (chemicals to be concerned about, footprint of products, how to assess quality and what a lifetime cost may be, sharing consumer reports through libraries, etc
- Work with RCBC to develop a comprehensive directory for where to borrow, share, rent rarely used items. Also repair options.
- Map out what plastics reduction campaigns are needed

- Campaign to reduce bottled water use -public fountains, not for sale in MV + muni facilities and those getting public funding, map where they are (ties to equity), provide water wagons at events. Look for partners (post-secondary is good sector to approach) - work has been done , see what gaps exist both in the programming and in the public's awareness of these options/campaigns (ties into inclusive)
- Increase access to public zero waste education through outreach events similar to the City of Vancouver Zero Waste Days
- Learning from partners experience

2. Enhance accountability for eliminating waste?

Improve EPR

- Work to improve the quality of the EPR system-particularly with regard to using the ZW hierarchy to support **redesign, reduction, reuse, repair, salvage** for parts, longer lifespans and durability, better end fates for materials; etc.; fair compensation and paying full costs; accessibility; transparency (chain of custody, financial, contracting); communications
  (can include advocacy, waste composition data, bans, supporting the MOECCS staff, etc)(ties into inclusive)
- Work to expand the range of EPR programs to include cigarettes/smoking devices, carpet, vehicles, textiles and all consumer products (can include advocacy, waste composition data, bans, supporting the MOECCS staff, etc)
- Advocate for increased deposit rates for beverage containers until return rate is 99%, also ask province to ensure programs develop a reusables system (as is in Recycling Regulation)
- Push for EPR programs to have ecomodulated fees (for textiles -factor in the challenges of recycling mixed materials, for plastics, factor in harms from plastics) (e.g. France)
- Work to improve EPR programs with an equity lens (can people keep using the item they already have, will parts and repair be made available for free or at an affordable level, will reuse options support access to lower cost items, can people access recycling options (even without a vehicle), etc.)
- Push for accountability for producers (e.g. Quebec has fines for non-collection)
- Ask for the additional supportive policies (as noted in the CCME Canada-wide Action Plan for EPR)
- Consider an equity lens and environmental impact when advocating on EPR

Business Accountability

- Encourage requirements for zero waste plans as part of business licensing in member munis + provide support (can start sector by sector)
- Increase PAYT and the cost differential + do not discount for larger volumes
- Develop systems to provide feedback to generators (collectively as a community as well as to individual generators)
- Use tipping fees as a tool so that poor sorters and high volume generators pay more.

Hauler Accountability

- Step up inspections and enforcement to all loads
- Work collaboratively with haulers to gather better data and play a role in educating customers.
- Consider accountability and transparency measures, both for Metro Vancouver and for customers of haulers who may not be getting the services they are paying for (noted example of recycling being mixed in with waste when taken away)

System Accountability

- Report on full environmental and GHG footprint of waste (by type of disposal if possible)
- Support restrictions on plastic waste exports to countries that do not have proper recycling and disposal infrastructure to meet emerging international plastic recycling standards, nor equivalent health, safety and environmental standards
- Waste composition studies -include the degree of reusability (note that there may be some option in plastics registry) +more data on reuse and repair overall + why + value
- Support better labelling so consumers know if it can be recycled
- Accountability for all businesses; public sector should set a leading example
- Eliminate hard to recycle plastics
- Get commitments from member municipalities to roll out supportive bylaws and systems
- Support digital passports for materials
- Do not support mixing materials (i.e putting plastic in cement) that makes it hard and unpredictable to recycle at the next round
- Consider plastic leaking into liquid waste -education campaign, consider sources, encourage filters on washing machines, natural fibre use, glass use, etc. Partner with plastics, river, fish and ocean focused groups

3. Leverage knowledge and expertise through collaboration?

- Educate and share information regarding the negative health and side effects from micro plastics, etc.
- Use the NZWC as a way to develop model policy and work federally/provincially to have them enacted (like ZW Europe does)
- Use NZWC and other avenues to build collective support for key goals and actions at provincial and federal levels
- Use the ZW Conference as a way to workshop and build support for local solutions and ideas, creating task forces for key policies
- Work to develop relationships with potential partners and develop teams and collaborations for projects as much as possible (for example, convene meetings of community, government and other partners to focus on textiles).
- Collaboration can allow access to other funding opportunities plus social benefits
- Invite partnership with local First Nations to learn from perspectives and ways of doing things that use less resources (ties into inclusive)

- Metro Van staff to participate in initiatives that support redesign/rethink, reduce and reuse
- Partner with entrepreneur innovators to build the momentum and capacity
- Have an ongoing PTAC to advise on implementation (continuity and public oversight)

4. Increase participation and reduce contamination in organics and recycling programs?

- Mandate streams for source separation collection for all MF + ICI settings
- Support a strong BC system for ICI PPP -including EPR (might be more finely tailored by sector according to the materials generated)
- Supporting MF buildings to have strong sorting and collection systems (Strata organizations better recycling performance, good contracts for service of buildings + property management companies)-connecting people with the information
- Work with munis and EPR programs to have multi-stream streetscape containers as the norm. Ensure Province is enforcing Recycling Regulation.
- Advocate for home recycling for film plastics (plus Styrofoam and glass)
- Mandate multi-stream collection for all Construction,Reno,Demo settings (focus on the service providers rather than the project owners, can also be in RFP for services)
- Provide ICI settings comprehensive tools and support/coaching for implementing waste reduction and diversion (e.g. Lethbridge, Squamish)

5. Build confidence in recycling systems?

- Recycling end market traceability for commercial sector recycling. Use smart trackers to ensure clarity on where discard streams go, share data to improve public confidence in system
- Provide feedback to citizens/businesses on results to show transparency, foster trust, encourage action (high level data)

6. Develop more inclusive programs and services?

- SUI reduction/education for small ethnocultural businesses and suppliers of food service ware
- Campaigns in key languages for region
- Collaborate with diverse communities to support campaigns (meeting communities where they are)

7. Improve infrastructure and systems for waste management across the region?

- Encourage local circularity of plastic resins
- Ensure large item-pick-up items collected are "graded" for reuse opportunities. Like by Urban Repurpose at their North Shore pick-up/free give-away days.Recycled content requirements

- Support MV-wide civic litter pick up twice a year but gather and share data from it -like a brand audit
  Continue to waive disposal fees for community clean up materials (in partnership with munis and groups) + develop a support program
- Close the incinerator, focus on waste reduction instead, use the land to host a reuse facility for CRD (Michael flagged)
- Enact a policy that does not support gasification, plasmification, pyrolysis, chemical recycling to fuel, cement kilns, and other destructive methods of handling waste. Ensure no Metro Vancouver waste goes to these facilities, and no funding support. (Michael flagged)
- Need a facility to process the auto shredder fluff to recycle more materials (ties to EPR as well)

Appendix D

Solid Waste Management Plan

Industry Advisory Committee (IAC)

List of Contents
IAC Terms of Reference
IAC Membership List
IAC List of Meetings
IAC Agenda and Meeting Notes

Solid Waste and Recycling Industry Advisory Committee

Terms of Reference

Updated January 13, 2026

1. PURPOSE

The purpose of the Solid Waste and Recycling Industry Advisory Committee (IAC) is to provide a forum for industry contribution, discussion, and advice on management planning, operations, and policy issues related to solid waste and recycling services in Metro Vancouver.

The purpose of these terms of reference is to describe the role of the committee.

2. OBJECTIVES

The IAC will:

- Provide industry representatives with a formal structure through which they can receive information and provide advice on management planning, operations, and policy related to solid waste and recycling in Metro Vancouver;
- Provide Metro Vancouver with a venue to engage the private waste services sector on solid waste and recycling plans, policies, and services within the region; and
- Provide affected industry stakeholders with the opportunity to be heard and to channel ongoing feedback to Metro Vancouver, including engagement and implementation of the updated solid waste management plan as well as other waste management issues of regional importance.[1]

3. MEMBERSHIP

The IAC membership is comprised of representatives of private waste and recycling collection and processing companies and their industry associations affected by existing and proposed operational and policy items related to solid waste and recycling plans, policies, and services within Metro Vancouver. A representative from the Zero Waste Committee will attend all IAC meetings and will be one of the Co-Chairs for the IAC.

Membership is voluntary, self-selecting, and carries a term of one year. The initial open call for membership will be advertised on Metro Vancouver's website and through Metro Vancouver's solid waste industry mailing list a minimum of 45 days prior to the inaugural IAC meeting. An annual open call for new members will be advertised a minimum of 30 days prior to each anniversary of the inaugural committee meeting. Existing members that wish to continue participation in the IAC will be asked to re-submit their statement of interest annually.

All private waste and recycling collection and processing industry representatives who express interest in participating in the IAC will be required to review the IAC Self-Selection Assessment Framework and complete the Statement of Interest Declaration confirming agreement and expressed intention, to work within the Terms of Reference. All persons who complete this process and meet the self-selection criteria will become members of the IAC for a term of one year.

[1] The IAC is not intended to be the sole venue or mechanism for industry consultation and engagement on the solid waste management plan update. Although the IAC will provide feedback and advice related to the plan update process, the scope of the committee includes other regional solid waste management considerations and will continue beyond the plan approval.

4. EXPECTATIONS OF MEMBERS

- Members must be prepared to invest time and energy towards learning and understanding existing and proposed solid waste and recycling policies, practices, and bylaws, as well as the regional waste management system and issues associated with their administration and implementation.
- Members must be prepared to work constructively and collaboratively at committee meetings to address areas of mutual concern, recognizing the multi-faceted issues and interests of all impacted stakeholders.
- While it is recognized that private companies are not accountable to other members of their same industry, it is expected that all IAC members act in good faith to present the experience and concerns that are reflective of their broader community.
- Members must be prepared to commit the time required to attend monthly committee meetings, pre-read the agenda and all supporting material provided for each meeting, participate fully and constructively in committee discussions, and complete required actions and tasks on time.[2] Members must provide advance written notice to the Co-Chairs if they are unable to attend a meeting. Members are permitted to send alternate representatives if they are unable to attend a meeting, members must provide advance written notice to the Co-Chairs advising the name and position title of their alternate.

5. CONFLICTS OF INTEREST

Members are to file with the IAC Co-Chairs a written disclosure statement detailing their relationship with Metro Vancouver.

Examples of information that would be expected to be shared in the disclosure statements include:

- Contracts with Metro Vancouver entities;
- Contracts providing services to Metro Vancouver facilities as a sub-contractor;
- Addresses of facilities that are licensed under Metro Vancouver's Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996; and
- The submission of a proposal in connection with a Metro Vancouver procurement process.

Any member or principal who does not have a relationship with Metro Vancouver must file a NIL disclosure statement to that effect. Members are asked to update that disclosure statement in a timely fashion to reflect any change of circumstances or if the IAC's deliberations expose relationships that may not have been initially apparent. Members who fail to file the requisite disclosure statement and updates will be excluded from the IAC and its deliberations until such time as they fully comply.

Alternate representatives are not required to provide a disclosure statement to the Co-Chairs unless the alternate representative is attending three or more IAC meetings within the year. IAC member disclosure statements will be posted online on the IAC website and publically available.

Members should excuse themselves from any IAC discussions or matters that may place them in a conflict of interest, unless explicitly requested to speak. A conflict of interest is considered to be a pecuniary or other interest in the business of a Metro Vancouver entity that would cause a real or perceived conflict of interest in the member's ability to carry out his or her duties in connection with the IAC.

The Co-Chairs also have the power to remove any IAC member whose actual or potential conflicts of interest are

[2] It is anticipated that this may represent a time commitment of 6 hours+ per month.

inconsistent with a fair and objective deliberation of the issues that may come before the IAC. The Co-Chairs will rely exclusively on the information provided by members in their disclosure statements to inform such decisions.

6. CHAIRS

There will be two IAC Co-Chairs. The Zero Waste Committee representative will be a Co-Chair and a second Co-Chair will be elected annually for a term of one year by a 50%+1 majority vote of voting members present.

Voting members are defined as IAC members who have held membership for at least one month prior to the day of the vote.

Co-Chair elections will take place at the meeting on the one-year anniversary of the member Co-Chair's appointment. Nominations will be called at the previous meeting, with additional nominations allowed on the day of the election.

7. ADVISORY STRUCTURE & DECISION MAKING

The IAC is an advisory body, providing advice and recommendations to Metro Vancouver staff and, through the IAC Co-Chairs, to the Independent Consultation and Engagement Panel and the Zero Waste Committee. While sincere efforts will be made to achieve consensus on recommendations and advice, consensus is not a precondition to advancing committee recommendations. Where consensus exists it will be noted, and where it does not exist, all perspectives will be included in the meeting minutes. The IAC is not generally a voting body. Voting will only occur in the following four circumstances, and in these circumstances, there will be one vote allocated per company/entity represented:[3]

1. annual election of the second Co-Chair;
2. updates to the terms of reference;
3. confirmation of the annual work plan; and
4. during the appeal of member's dismissal, as described in section 11 of this Terms of Reference.

In each of these scenarios, voting will be a 50% +1 majority decision-making model of votes cast.

8. WORK PLAN

A work plan for the IAC will be developed by Metro Vancouver staff based on an annual call for work plan topics submitted by IAC members reflecting priority issues they would like to see considered during the year. The work plan, once confirmed by the IAC, will guide the development of meeting agendas for the year. The work plan may be amended during the year, at the agreement of both Co-Chairs, to allow for flexibility to address emerging issues or unanticipated, time-sensitive topics. Implementation of the annual work plan is at the prerogative of IAC members and does not direct activities of Metro Vancouver staff or resources, beyond the provision of committee secretariat support functions.

9. MEETINGS

- Meetings will be scheduled monthly, except in July, August, and December. The meeting dates and times will be determined by the Co-Chairs in consultation with IAC members, with a confirmed pre-set schedule for all meetings within the calendar year. On agreement of both Co-Chairs, meetings may be added or canceled as appropriate.

[3] If there are multiple members representing a single company, they will be asked to convene among themselves to determine their collective vote.

- Metro Vancouver will provide a venue and a third-party note taker.
- Meetings can be held virtually or in person.
- The Co-Chairs will work with Metro Vancouver staff to draft meeting agendas and coordinate any necessary meeting materials, which will be circulated to meeting participants a minimum of 72 hours in advance of the meeting.
- The meetings will be structured to encourage free and open discussion of relevant issues within the constraints of the planned agendas.
- Meeting minutes and action trackers will be kept for each meeting, through secretariat support provided by Metro Vancouver staff.[4] Minutes shall not reflect the names of individual speakers or their stance on issues; rather, they shall reflect the issues discussed, significant points of view on the issues and the resolutions or actions to be taken.
- A meeting quorum will be 50%+1 of active members. The IAC may establish other meeting procedures, which will be considered as an appendix to these terms of reference.
- Meetings will be open to any individuals who wish to observe the discussions either in person or through livestream, although only IAC members will be provided standing to participate in the discussion. Individuals interested in observing in-person meetings can request meeting information two weeks in advance of the meeting time and date. Individuals interested in observing online meetings can access the livestream through the committee webpage. Non-member stakeholders may request an opportunity to present to the IAC, through two weeks' advance written submission for consideration by the Co-Chairs.
- The IAC may invite groups and subject-matter experts to present to the IAC and provide advice and feedback on specific IAC agenda items, at the discretion of the Co-Chairs.
- All IAC agendas will be published and publicly available in advance of meetings, with IAC presentations and meeting minutes posted for information on Metro Vancouver's website.
- If both Co-Chairs are unable to attend a meeting or portion of a meeting, the committee will elect a temporary chair to preside. Generally, following the approach outlined Robert's Rules of Order Newly Revised, the meeting will be called to order by one of the Co-Chairs, or by staff if no Co-Chair is present, with the first order of business being the appointment of a temporary chair. Any member may nominate a committee member including nominating themselves to serve as temporary chair; nominations do not require a seconder. The temporary chair will be elected by majority vote of members present and serve only for the duration of the Co-Chairs' absence, relinquishing the role upon the arrival of a Co-Chair. The name of the temporary chair and the start and stop time that they act as Chair will be recorded in the meeting minutes.

10. CODE OF CONDUCT

This code is intended to serve as a framework to guide the spirit and intent of how IAC members are expected to deliver on the IAC's purpose, objectives, and intent in an ethical and respectful manner.

1. Respect and Collaboration: Discussions and debates shall take place in an atmosphere of mutual respect and solutions-oriented collaboration, recognizing the value of different perspectives and seeking to understand the interests and needs of all affected parties.
2. Transparency: It is expected that all members speak honestly and transparently, engaging in good-faith dialogue and sharing information openly to encourage fact-based dialogue.
3. Treatment of other Members: Members of the committee have a duty to treat other members with respect during

[4] Metro Vancouver staff are not members of the IAC, but will attend meetings of the IAC to provide information on various issues, respond to questions etc.

IAC meetings. Specifically, members have a duty to avoid:

a. Disrupting meetings by making continual interruptions or whispered asides;
b. Making offensive or abusive remarks directed at other members;
c. Impugning the motives of other IAC members or supporting staff;
d. Ignoring the legitimate direction of the Co-Chairs.

Members who object to the behaviour of another member as identified in this code of conduct are asked to identify their concerns immediately to the IAC Co-Chairs.

11. MEMBERSHIP DISMISSAL

IAC members must recognize the importance of their commitment through active participation, regular attendance, and adherence to the IAC Terms of Reference. The following are potential reasons for membership dismissal.

- Failure to attend two or more consecutive monthly meetings, or,
- Lack of adherence to the IAC Terms of Reference, specifically including section 10: Code of Conduct, and Section 14: Media Protocol.

At the agreement of both Co-Chairs, members who have committed one or more of the potential reasons for losing membership may be dismissed from the committee by way of written notification. The dismissed member is ineligible for reinstatement at the subsequent annual call for membership.

If the member wishes to appeal the dismissal, they can request a vote from the IAC membership, to be undertaken using secret ballot. Voting will be a 50% +1 majority decision-making model. The impacted member is not eligible to vote in this process.

12. MEMBERSHIP RESIGNATION

Members wishing to resign from IAC committee membership should provide written notice of their intent to resign, including the effective date of their resignation, addressed to the IAC Co-Chairs.

If a member leaves the IAC, the company or association the member represents can appoint another representative for the remainder of the IAC term.

13. BUDGET AND RESOURCES

Funding for general meetings, secretariat, and support expenses is provided by Metro Vancouver. Any additional funding for special projects or studies is subject to Metro Vancouver approval.

14. MEDIA PROTOCOL

Individual IAC members will not speak on behalf of the IAC unless it has been approved by the Co-Chairs in advance.

15. REVIEW OF THE IAC TERMS OF REFERENCE

The IAC will review these Terms of Reference at least every 18 months to determine if any amendments or modifications to the process are required. Amendments will be provided to the Zero Waste Committee for information.

2026 Solid Waste and Recycling Industry Advisory Committee

MEMBER NAME	ORGANIZATION
Achilles Mallari	Sierra Waste Services Ltd.
Aiden Kiani	Lock-Block Ltd.
Alan Ligumsky	Peak Disposal Services Inc
Angus MacFarlane	Growing City
Ataollah Kheyrandish	Richmond Steel Recycling
David Millman	WM Canada
Dayton Skei	EverGen Infrastructure Corp.
Dimitri Pantazopoulos	Waste Connections of Canada
Gord Johnson	Empower/Northstar
Grant Hankins	Canada Minibins.com Ltd.
Izzie Abrams	Waste Connections of Canada
Jacqueline Lotzkar	Canadian Association of Recycling Industries
James Collins	Tymac Launch Service Ltd.
Jamie Kaminski	HSR Zero Waste
Jason Watson	JW Recycle-IT Inc.
Lindsay L'Heureux	Recycle BC
Maya Hakimé	Merlin Plastics
Mike Lannin	Super Save Group
Nabil Drissi El-Bouzaidi	Ecowaste Industries Ltd.
Nicole Stefenelli	Urban Impact Recycling Ltd
Patrick Mac Neil	Wescan Disposal Ltd.
Pinky Vargas	Republic Services
Ralph D. McRae	Revolution
Rustam Punja	Geocycle Canada Inc.
Sandy Sigmund	Encorp Return-It
Sean Kawakami	Convertus Group
Todd Baker	Ecowaste Industries Ltd.
Wesley Muir	Veolia Canada

2026 CO-CHAIRS	ORGANIZATION
Director Craig Hodge	Metro Vancouver Zero Waste Committee
Lori Bryan	Waste Management Association of BC

Solid Waste Industry Advisory Committee (IAC)

List of Meetings

2022 Meetings

1. March 1, 2022 – IAC Meeting – Agenda and minutes
2. April 5, 2022 – IAC Meeting – Agenda and minutes
3. June 7, 2022 – IAC Meeting – Agenda, minutes and breakout group notes
4. September 7, 2022 – IAC Meeting – Agenda, minutes and breakout group notes
5. November 1, 2022 – IAC Meeting – Agenda and minutes

2023 Meetings

6. January 10, 2023 – IAC Meeting – Agenda and minutes
7. February 7, 2023 – IAC Meeting – Agenda and minutes
8. March 7, 2023 – IAC Meeting – Agenda and minutes
9. April 4, 2023 – IAC Meeting – Agenda and minutes
10. May 9, 2023 – IAC Meeting – Agenda and minutes
11. June 6, 2023 – IAC Meeting – Agenda, minutes, and workshop summary report
12. July 11, 2023 – IAC Meeting – Agenda and minutes
13. September 12, 2023 – IAC Meeting – Agenda and minutes
14. October 3, 2023 – IAC Meeting – Agenda, minutes, and workshop summary report
15. November 7, 2023 – IAC Meeting – Agenda and minutes

2024 Meetings

16. January 9, 2024 – IAC Meeting – Agenda and minutes
17. February 6, 2024 – IAC Meeting – Agenda and minutes
18. March 5, 2024 – IAC Meeting – Agenda and minutes
19. April 9, 2024 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
20. May 14, 2024 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
21. June 11, 2024 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
22. July 9, 2024 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
23. September 10, 2024 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
24. October 8, 2024 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
25. November 5, 2024 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary

2025 Meetings

26. January 7, 2025 – IAC Meeting – Agenda and minutes
27. February 4, 2025 – IAC Meeting – Agenda and minutes
28. April 8, 2025 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
29. May 6, 2025 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
30. June 6, 2025 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
31. September 9, 2025 – IAC Meeting – Agenda and minutes
32. October 7, 2025 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary
33. November 4, 2025 – IAC Meeting – Agenda, minutes, and small group discussion feedback summary

2026 Meetings

34. January 13, 2026 – IAC Meeting – Agenda and minutes
35. January 28, 2026 – IAC Meeting – Agenda and minutes
36. February 10, 2026 – Agenda, minutes, and small group discussion feedback summary
37. March 10, 2026 – IAC Meeting – Agenda and minutes
38. May 12, 2026 – IAC Meeting – Agenda and minutes
39. June 9, 2026 – IAC Meeting – Agenda and minutes

IAC Meetings – Agendas, Minutes and Feedback Summary Reports

Solid Waste and Recycling Industry Advisory Committee Meeting #1

March 1, 2022
1:00 PM – 3:00 PM
Zoom

Agenda

1) Meeting Objectives and Agenda
2) Committee Member Introductions
3) Industry Advisory Committee Overview
    a) Overview of Terms of Reference
    b) Committee Members Contact Information
    c) 2022 Meetings
    d) IAC Webpage
    e) Co-Chair Election Process
4) Potential Industry Advisory Committee Meeting Standing Agenda Items
    a) New Facility Updates
    b) Operational Updates
    c) Solid Waste Management Plan
    d) Zero Waste Committee Reports of Interest
    e) City of Vancouver Operational Updates
5) Committee Areas of Interest
6) Environment and Climate Change Canada Technical Issues Paper on Recycled Content for Certain Plastic Manufactured Items – Presentation
7) Next Steps
    a) Next meeting is on April 5, 2022

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee held at 1:00 p.m. on Tuesday, March 1, 2022, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Binder Boora, BC Earth Exchange
Lori Bryan, Waste Management Assoc. of BC
Ken Carrusca, Cement Association of Canada
Mannie Cheung, Product Care Assoc. of BC
James Collins, Tymac Launch Service Ltd.
Jeremy Crawford, Waste Control Services
Christian Dietrich, Ecowaste Industries
Grant Hankins, Waste Management Association of BC
Kenneth Ingram, West Coast Reduction Ltd.
Josh Jansen Van Doorn, Super Save Disposal
Gord Johnson, Empower Environmental/Northstar
Sean Kawakami, Convertus Group
Aiden Kiani, Lock-Block Ltd.
Achilles Mallari, Sierra Waste Services Ltd.
Matthew McAra, GFL
Ralph McRae, Revolution
David Millman, Waste Management of Canada
Maya Moucachen, Merlin Plastics
Nicole Peers, Queensborough Landing Recycling Depot
Mary Polak, Waste Connections of Canada
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Shad Prasad, Cascade Recovery+
Kevin Preuss, K2 Services
Rustam Punja, Geocycle Canada
Liliana Segal, Green Chair Recycling
Cynthia Shore, Republic Services
Nicole Stefenelli, Urban Impact Recycling
Sebastian van Wollen, Blue Planet Recycling
Michael Zarbl, Major Appliances Recycling Roundtable

MEMBERS ABSENT:

Robbie Gill, Cloverdale Fuel Ltd.
Jamie Kaminski, HSR Zero Waste
Jacqueline Lotzkar, Pacific Metals Recycling Inc.

METRO VANCOUVER STAFF:

Chris Allan, Director, Solid Waste Operations
Brooke Atkinson, Communications and Education Coordinator
Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations
Paul Henderson, General Manager, Solid Waste Services
Mani Massah, Project Engineer, Zero Waste Implementation
Karen Storry, Senior Engineer, Zero Waste Implementation
Chris Underwood, Division Manager, Solid Waste Planning
Lynne Vidler, Lead Senior Engineer, Solid Waste Operations

CITY OF VANCOUVER STAFF:
Lynn Belanger, Manager, Transfer and Landfill Operations Branch
John McDermott, Manager, Solid Waste Strategic Services Branch

AGENDA:

Solid Waste and Recycling Industry Advisory Committee Meeting #1

March 1, 2022
1:00 PM – 3:00 PM
Zoom

Agenda

1) Meeting Objectives and Agenda
2) Committee Member Introductions
3) Industry Advisory Committee Overview
    a) Overview of Terms of Reference
    b) Committee Members Contact Information
    c) 2022 Meetings
    d) IAC Webpage
    e) Co-Chair Election Process
4) Potential Industry Advisory Committee Meeting Standing Agenda Items
    a) New Facility Updates
    b) Operational Updates
    c) Solid Waste Management Plan
    d) Zero Waste Committee Reports of Interest
    e) City of Vancouver Operational Updates
5) Committee Areas of Interest
6) Environment and Climate Change Canada Technical Issues Paper on Recycled Content for Certain Plastic Manufactured Items – Presentation
7) Next Steps
    a) Next meeting is on April 5, 2022

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

MEETING MINUTES:

1. WELCOME

Craig Hodge, Co-Chair, called the meeting to order at 1:01 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) meeting.

2. INTRODUCTION OF AGENDA AND MEETING OBJECTIVES

Co-Chair Hodge introduced the agenda and asked members to introduce themselves. A round of self-introductions was held, and Metro Vancouver and City of Vancouver staff were introduced.

Brooke Atkinson, Communications and Education Coordinator, Metro Vancouver, reviewed Zoom functions and etiquette, noting that the meeting would be recorded and provided to a non-member who asked to observe the meeting.

3. INDUSTRY ADVISORY COMMITTEE OVERVIEW

Brooke Atkinson provided an overview of the IAC and highlighted:

- IAC Terms of Reference
- Committee member contact information sharing
- The 2022 meeting schedule
- The IAC webpage
- Under the Terms of Reference, a second Co-Chair is elected by Committee members on an annual basis.

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, reviewed the Co-Chair election process and highlighted that the process will be based on the Sturgis method:

- Nominations for Co-chair to be put forward by Committee members at the April 5, 2022 meeting
- One individual from each organization votes
- Members will vote for nominees in alphabetical order by last name
- Members vote for the nominee or nominees of their choice with a show of virtual hands (members may vote for each and every nominee)
- Following the first round of voting, if the leading nominee has less than 50% + 1 of the votes, voting will continue until a nominee achieves 50% + 1 votes with the nominee with the least votes dropping out in each round.

During discussion, the following motion was presented by Committee member Ralph McRae:

"THAT all members forthwith file with the Chairperson(s) a written statement detailing all existing or potential conflicts that the member and the organization they represent may have in regard to their relationship with Metro Vancouver;

THAT they timely update that statement to reflect any change of circumstance or if the Committee's deliberations expose conflicts that may not have been initially apparent;

THAT the Chairperson(s) compile a record of all reported conflicts and deliver such to all Committee members and that such record will be neither confidential nor privileged;

THAT any Committee member or principal who does not have a conflict must file a NIL statement to that effect;

THAT any member who fails to file the requisite statement and updates be forthwith excluded from the Committee and its deliberations until such time as he or she fully complies; and

THAT the Chairperson(s) be vested with the power to remove any Committee member whose actual or potential conflicts of interest are inconsistent with a fair and objective deliberations of the issues that may come before the Committee."

Co-Chair Hodge ruled the motion a notice of motion to be voted on at the April 5, 2022, IAC meeting.

Paul Henderson noted that depending on the Committee's decision on the above motion at the April 5 meeting, the second Co-Chair election could be delayed.

4. POTENTIAL IAC STANDING AGENDA ITEMS

The following potential IAC standing agenda items were described:

- New facility updates
- Operational updates
- Solid Waste Management Plan
- Zero Waste Committee reports of interest
- City of Vancouver operational updates.

Paul Henderson noted that these standing agenda items mirror standing items from meetings held with the Waste Management Association of B.C. that began to help coordinate pandemic response in 2020 and have been ongoing since.

In response to a question, it was noted that future meetings would provide opportunities for Committee members to request Metro Vancouver staff provide information on any Zero Waste Committee report of interest.

Action: *It was requested that Metro Vancouver provide Committee members records related to Metro Vancouver meetings with the Waste Management Association of BC.*

COMMITTEE AREAS OF INTEREST

Committee members were invited to participate in an online Mentimeter exercise to help identify areas of interest for future discussion. It was noted that the Committee workplan

would be developed for consideration by the Committee following election of the second Co-Chair.

The following diagram displays results of the Mentimeter exercise using key words inputted by Committee members:



Paul Henderson asked if any Committee members wanted to speak to any item from the Mentimeter exercise. No Committee members requested to speak.

5. ENVIRONMENT AND CLIMATE CHANGE CANADA TECHNICAL ISSUES PAPER ON RECYCLED CONTENT FOR CERTAIN PLASTIC MANUFACTURED ITEMS

Mani Massah, Project Engineer, Zero Waste Implementation, Metro Vancouver, gave a presentation titled, "Recycled Content for Certain Plastic Manufactured Items Regulations", and highlighted:

- Background of the Government of Canada's recent activity on plastic pollution:
  - On February 12, 2022, publication of a notice of intent and technical issues paper on the proposed development of regulations that would set minimum recycled content requirements for certain plastic manufactured items was released as well as the beginning of a 30-day public comment period
- Proposed minimum recycled content regulation:
  - Could apply to any person or business that manufactures, imports, or sells the items in Canada
  - The initial version of the proposed regulations will target packaging and durable items like waste bins

    - Plastic packaging in Canada will be required to contain at least 50% recycled content by 2030
- Proposed item categories:
    - Packaging in direct contact with food (e.g., beverage containers)
    - Packaging not in direct contact with food (e.g., bottles, rigid containers and trays, foam packaging, film and flexible plastic packaging, garbage bags)
    - Durable items (e.g., waste bins)
- Proposed excluded items:
    - Primary food packaging (except beverage containers)
    - Certain types of reusable packaging
    - Certain product applications where legal requirements do not allow for recycled content and/or there is risk for human health or the environment
- Draft high-level feedback:
    - Metro Vancouver supports the Government of Canada to develop recycled content regulations to reduce pollution and create conditions for achieving a circular economy
    - It is believed that the regulation should consider both pre-consumer and post-consumer recycled content with a maximum limit to the amount of pre-consumer content
    - With respect to sources of recycled content, circular recycling technologies that have a low environmental impact and local economic benefits should be prioritized
    - Do not allow the trading of recycled content as part of a credit system, which could mean that an end product may contain no recycled content
    - Beyond recycled content requirements, the Government of Canada is encouraged to look into current collection challenges for items such as foam plastics.

During discussion, comments were provided regarding:

- Recycled content requirements and labelling must be clear to avoid "greenwashing";
- In parallel to considering regulations for recycled content, the government should support industry through funding or other mechanisms to further develop plastics remanufacturing capacity in Canada; and
- Implementation of recycled content regulations must consider the availability of recycled materials.

IAC members were invited to submit additional feedback to mani.massah@metrovancouver.org before the end of the public comment period on March 14, 2022.

6. NEXT STEPS

Co-Chair Hodge thanked Committee members for their participation and advised that the next meeting was scheduled to occur on April 5, 2022.

7. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:28 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, April 5, 2022
1:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 April 5, 2022 Meeting Agenda

2. MINUTES

2.1 March 1, 2022 Meeting Minutes

3. MEETING OVERVIEW

3.1 Zoom Overview and Voting Process
Designated Speaker: Nanette van Doorn, Strategy and Stakeholder Relations

4. REPORTS

4.1 Metro Vancouver Contracts with Solid Waste and Recycling Industry Advisory Committee Organizations
Verbal Update and Written Report
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver

4.2 Conflict of Interest Update to Industry Advisory Committee Terms of Reference
"THAT all members forthwith file with the Chairperson(s)s a written statement detailing all existing or potential conflicts that the member and the organization they represent may have in regards their relationship with Metro;

"THAT they timely update that statement to reflect any change of circumstances or if the Committee's deliberations expose conflicts that may not have been initially apparent;

"THAT the Chairperson(s) compile a record of all reported conflicts and deliver such to all committee members and that such record will be neither confidential nor privileged;

"THAT any Committee Member or principal who does not have a conflict must file a NIL statement to that effect;

"THAT any member who fails to file the requisite statement and updates be forthwith excluded from the Committee and its deliberations until such time as he or she fully complies; and

"THAT the Chairperson(s) be vested with the power to remove any Committee Member whose actual or potential conflicts of interest are inconsistent with a fair and objective deliberation of the issues that may come before the Committee."

4.3 Industry Advisory Committee Co-Chair Election (if required)

4.3.1 Voting Process
4.3.2 Nominations
4.3.3 Election

4.4 Waste Management Association of BC Meeting Minutes – March 25, 2020 – January 20, 2022
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.5 Zero Waste Committee Updates

4.5.1 Solid Waste Management Plan Update – Public/Technical Advisory Committee Applicant Evaluation Process
Verbal Presentation
Designated Speaker: Sandy Young, Senior Engagement Specialist, Solid Waste Services

4.5.2 Tipping Fee Bylaw Update: Construction and Demolition Processing Facility Residuals
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.6 Metro Vancouver Updates

4.6.1 United Boulevard and Central Surrey Recycling and Waste Centre Updates
Verbal Presentation
Designated Speaker: Paul Litt, Lead Senior Engineer, Solid Waste Operations, Solid Waste Services

5. INFORMATION ITEMS

5.1 Letter - Canada Gazette, Part I, Volume 156, Number 7: Recycled Content for Certain Plastic Manufactured Items Regulations

6. OTHER BUSINESS

Committee Co-Chair: Director Craig Hodge, Zero Waste Committee Vice Chair

Membership:

Abrams, Izzie - Waste Connections of Canada
Boora, Binder - BC Earth Exchange & Saskay Earth Exchange Ltd.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Cheung, Mannie - Product Care Association of BC
Collins, James - Tymac Launch Service Ltd.
Dietrich, Christian, Ecowaste Industries
Doorn, Josh van - Super Save Disposal
Gill, Robbie - Cloverdale Fuel Ltd.
Hankins, Grant - Waste Management Association of BC
Ingram, Ken - West Coast Reduction Ltd.
Johnson, Gord - Empower Environmental/ Northstar
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Peers, Nicole - Queensborough Landing Recycling Depot
Polak, Mary - Waste Connections of Canada
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Prasad, Shad - Cascade Recovery +
Preuss, Kevin - K2 Services
Punja, Rustam - Geocycle Canada
Segal, Liliana - Green Chair Recycling
Shore, Cynthia - Republic Services
Stefenelli, Nicole - Urban Impact Recycling Inc.
Wollen, Sebastian van - Blue Planet Recycling
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Atkinson, Brooke - Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Evanetz, Sarah – Metro Vancouver
Henderson, Paul – Metro Vancouver
Litt, Paul – Metro Vancouver
Massah, Mani – Metro Vancouver
McDermott, John – City of Vancouver
Pitre, Marcel – Metro Vancouver
Storry, Karen – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver
Young, Sandy – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee held at 1:00 p.m. on Tuesday, April 5, 2022, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Lori Bryan, Waste Management Assoc. of BC
Ken Carrusca, Cement Association of Canada
James Collins, Tymac Launch Service Ltd.
Christian Dietrich, Ecowaste Industries
Grant Hankins, Waste Management Association of BC
Josh Jansen Van Doorn, Super Save Disposal
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Group
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Matthew McAra, GFL
Achilles Mallari, Sierra Waste Services Ltd.
Ralph McRae, Revolution
David Millman, Waste Management Association of Canada
Maya Moucachen, Merlin Plastics
Mary Polak, Waste Connections of Canada
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Shad Prasad, Cascade Recovery+
Rustam Punja, Geocycle Canada
Liliana Segal, Green Chair Recycling
Cynthia Shore, Republic Services
Nicole Stefenelli, Urban Impact Recycling
Sebastian van Wollen, Blue Planet Recycling
Michael Zarbl, Major Appliances Recycling Roundtable

MEMBERS ABSENT

Binder Boora, BC Earth Exchange
Mannie Cheung, Product Care Assoc. of BC
Jeremy Crawford, Waste Control Services
Robbie Gill, Cloverdale Fuel Ltd.
Kenneth Ingram, West Coast Reduction Ltd.
Gord Johnson, Empower Environmental/Northstar
Aiden Kiani, Lock-Block Ltd.
Nicole Peers, Queensborough Landing Recycling Depot
Kevin Preuss, K2 Services

METRO VANCOUVER STAFF:

Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations
Paul Henderson, General Manager, Solid Waste Services
Allen Jensen, Senior Project Engineer, Solid Waste Services
Mani Massah, Project Engineer, Zero Waste Implementation
Karen Storry, Senior Engineer, Zero Waste Implementation
Chris Underwood, Division Manager, Solid Waste Planning
Nanette van Doorn, Strategy and Stakeholder Relations
Lynne Vidler, Lead Senior Engineer, Solid Waste Operations
Sandy Young, Senior Engagement Specialist, Solid Waste Services

CITY OF VANCOUVER STAFF:
Lynn Belanger, Manager, Transfer and Landfill Operations Branch
John McDermott, Manager, Solid Waste Strategic Services Branch

PREPARATION OF MINUTES: Kelsey Guenette, Raincoast Ventures Ltd.

AGENDA:

Solid Waste and Recycling Industry Advisory Committee Meeting #2

April 5, 2022
1:00 PM – 3:00 PM
Zoom

Agenda

1) Agenda
    a) April 5, 2022 Meeting Agenda
2) Minutes
    a) March 1, 2022 Meeting Minutes
3) Meeting Overview
    a) Zoom Overview and Voting Process
4) Reports
    a) Metro Vancouver Contracts with Solid Waste and Recycling Industry Advisory Committee Organizations
    b) Conflict of Interest Update to Industry Advisory Committee Terms of Reference
    c) Industry Advisory Committee Co-Chair Election
        i) Voting Process
        ii) Nominations
        iii) Elections
    d) Waste Management Association of BC Meeting Minutes – March 20, 2020-January 20, 2022
    e) Zero Waste Committee Updates
        i) Solid Waste Management Plan Update – Public/Technical Advisory Committee Applicant Evaluation Process
        ii) Tipping Fee Bylaw Update: Construction and Demolition Processing Facility Residuals
    f) Metro Vancouver Updates
        i) United Boulevard and Central Surrey Recycling and Waste Centre Updates
5) Information Items
    a) Letter – Canada Gazette, Part I, Volume 156, Number 7: Recycled Content for Certain Plastic Manufactured Items Regulations
6) Other Business

7) Next Steps

   a) Next meeting is on May 3, 2022

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

MEETING MINUTES:

1. WELCOME

Craig Hodge, Co-Chair, called the meeting to order at 1:03 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) meeting.

2. AGENDA

2.1 APRIL 5, 2022 Meeting Agenda

Co-Chair Hodge reviewed the agenda.

2.2 MINUTES MARCH 1, 2022 Meeting Minutes

Co-Chair Hodge asked if there were any errors or omissions in the minutes of the March 1, 2022 IAC meeting. No errors or omissions were identified by Committee members.

3. MEETING OVERVIEW

3.1 Zoom Overview and Voting Process

Nanette van Doorn, Strategy and Stakeholder Relations, reviewed Zoom functions and protocols, noting that the meeting would be recorded and provided to a non-member who requested to observe the meeting.

4. REPORTS

4.1 Metro Vancouver Contracts with Solid Waste and Recycling Industry Advisory Committee Organizations

Referencing the report included with meeting materials, Paul Henderson, General Manager, Solid Waste Services, reviewed a current list of Metro Vancouver (MV) contracts with IAC member organizations for the Committee's information.

4.2 Conflict of Interest Update to Industry Advisory Committee Terms of Reference

Referencing the IAC Terms of Reference, the voting process was reviewed, and the motion first introduced at the prior meeting was reintroduced.

During an ensuing discussion, comments were offered regarding:

- Ensuring that Committee members representing the same organizations are voting together as per the footnote in Item 6 of the IAC Committee Terms of Reference
- Whether the list of MV contracts with IAC member organizations would be updated regularly
  - Staff noted contracts are disclosed publicly
- Clarification that the IAC would not be voting on operations or policy but providing recommendations/feedback with respect to solid waste
- Definitions of the term "conflict"
  - Concerns that the motion is too broad
  - Staff noted under the current IAC Terms of Reference, the Committee cannot refer the motion to staff to adjust and bring back to the Committee
- Suggestion of potential conflicts with respect to matters not available to the general public where MV has ongoing dealings with IAC member organizations, which may affect voting
- Suggestion to create a live online form for IAC members to update conflicts as necessary.
  - Staff noted that members will be requested to submit statements of conflicts or potential conflicts and that those statement would be communicated to members.

It was MOVED (Ralph McRae) and SECONDED (James Collins)

THAT all members forthwith file with the Chairperson(s) a written statement detailing all existing or potential conflicts that the member and the organization they represent may have in regard to their relationship with Metro Vancouver;

THAT they timely update that statement to reflect any change of circumstance or if the Committee's deliberations expose conflicts that may not have been initially apparent;

THAT the Chairperson(s) compile a record of all reported conflicts and deliver such to all Committee members and that such record will be neither confidential nor privileged;

THAT any Committee member or principal who does not have a conflict must file a NIL statement to that effect;

THAT any member who fails to file the requisite statement and updates be forthwith excluded from the Committee and its deliberations until such time as he or she fully complies; and

THAT the Chairperson(s) be vested with the power to remove any Committee member whose actual or potential conflicts of interest are inconsistent with a fair and objective deliberations of the issues that may come before the Committee.

CARRIED

4.3 Industry Advisory Committee Co-Chair Election

4.3.1 Voting Process

The Committee was advised that election of the second Co-Chair would be deferred to the next meeting. The Terms of Reference would be updated, and a declaration form would be circulated to Committee members to declare conflicts prior to the next meeting.

The Co-Chair election process was reviewed, and it was noted that the election would be based on the Sturgis method. Nominations would be put forward by Committee members and one individual from each organization could vote. Members would vote in alphabetical order by last name and could vote for multiple nominees. The nominee with the most votes and over 50%+1 of the vote would be declared the winner.

4.3.2 Nominations

Co-Chair Hodge invited nominations from Committee members and noted that there would be a subsequent call for nominations from the floor prior to the vote at the next meeting.

In response to the call for nominations, Mary Polak and Lori Bryan were nominated for the Co-Chair position.

4.3.3 Election

The election was postponed to the next scheduled meeting.

4.4 Waste Management Association of BC Meeting Minutes – March 25, 2020-January 20, 2022

This item was not discussed.

4.5 Zero Waste Committee Updates

4.5.1 Solid Waste Management Plan Update – Public/Technical Advisory Committee Applicant Evaluation Process

Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, and Sandy Young, Senior Engagement Specialist, Solid Waste Services, provided a joint presentation titled "Solid Waste Management Plan Update" and highlighted:

- Plan development and engagement phases
- Governance framework
- Purpose of the Public/Technical Advisory Committee and the application process
- Next steps:
  - Report to Zero Waste Committee and the Board
  - Membership selected by the Board in a closed meeting
  - Convene Committee following membership confirmation.

4.5.2 Tipping Fee Bylaw Update: Construction and Demolition Processing Facility Residuals

Paul Henderson informed that a report on the tipping fee bylaw had been added to the agenda for an upcoming Zero Waste Committee meeting on April 8, 2022, and includes the following three elements:

- The removal of the Coquitlam Recycling and Waste Centre
- Alignment of minimum fees at the new Central Surrey Recycling and Waste Centre with Maple Ridge and Langley centres
- Establishment of a construction/demolition residual waste rate to align with the City of Vancouver rate.

4.6 Metro Vancouver Updates

4.6.1 United Boulevard and Central Surrey Recycling and Waste Centre Updates

Paul Henderson advised that the United Boulevard Recycling and Waste Centre opened on March 14, 2022 and that the new Central Surrey facility was expected to open by the end of June 2022.

5. INFORMATION ITEMS

5.1 Letter – Canada Gazette, Part I, Volume 156, Number 7: Recycled Content for Certain Plastic Manufactured Items Regulations

6. OTHER BUSINESS

There was no other business.

7. NEXT STEPS

Co-Chair Hodge thanked Committee members for their participation and advised that the next meeting was scheduled to occur on May 3, 2022.

It was noted that potential conflicts of IAC member organizations would be collected by staff and circulated with the agenda package at least 72 hours prior to the next meeting.

8. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:21 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, June 7, 2022
1:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 June 7, 2022 Meeting Agenda

2. MINUTES

2.1 May 3, 2022 Meeting Minutes

3. REPORTS

3.1 IAC Meeting Structure
- **3.1.1 No Automatic Muting**
- **3.1.2 Meeting Attendance**
- **3.1.3 Terms of Reference Update**

3.2 Solid Waste Management Plan Update – Governance Structure and Road Map
Verbal Presentation
Designated Speaker: Sandy Young, Senior Engagement Specialist, Strategy & Stakeholder Relations, Solid Waste Services

3.3 Topics of Interest Discussion
- **3.3.1 List of Topics from March 2022 IAC Meeting**
- **3.3.2 Breakout Room for Topics Discussion**
  - **What important topic areas are missing from the list?**
  - **Do the themes that the topics have been broken into make sense/How could they be improved?**
  - **What topic areas should be discussed in the immediate future with the goal of finding near term solutions?**
  - **What topic areas are best included in the longer term discussions related to updating the solid waste management plan?**
- **3.3.3 September Workshop of High Priority Topics**

3.4 Potential Standing Agenda Items for Discussion

3.4.1 Waste Flows
3.4.2 Upcoming Zero Waste Committee Reports
3.4.3 Solid Waste Management Plan
3.4.4 Operational and Other Solid Waste System Updates
3.4.5 Any Additional?

3.5 Metro Vancouver Updates

3.5.1 2021 Waste Composition Study Results
Verbal Presentation
Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services Planning, Zero Waste Implementation

4. OTHER BUSINESS

Committee Co-Chairs: Director Craig Hodge, Zero Waste Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:

Abrams, Izzie - Waste Connections of Canada
Boora, Binder - BC Earth Exchange & Saskay Earth Exchange Ltd.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Cheung, Mannie - Product Care Association of BC
Collins, James - Tymac Launch Service Ltd.
Doorn, Josh van - Super Save Disposal
Gill, Robbie - Cloverdale Fuel Ltd.
Hankins, Grant - Waste Management Association of BC
Ingram, Ken - West Coast Reduction Ltd.
Johnson, Gord - Empower Environmental/ Northstar
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Peers, Nicole - Queensborough Landing Recycling Depot
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Prasad, Shad - Cascade Recovery +
Segal, Liliana - Green Chair Recycling
Shore, Cynthia - Republic Services
Stefenelli, Nicole - Urban Impact Recycling Inc.
Wollen, Sebastian van - Blue Planet Recycling
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Atkinson, Brooke - Metro Vancouver
Belanger, Lynn - City of Vancouver
Doorn, Nanette van – Metro Vancouver
Evanetz, Sarah – Metro Vancouver
Henderson, Paul – Metro Vancouver
McDermott, John – City of Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee held at 1:00 p.m. on Tuesday, June 7, 2022, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Mary Polak, Waste Connections of Canada (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Binder Boora, BC Earth Exchange
Lori Bryan, Waste Management Assoc. of BC
Mannie Cheung, Product Care Assoc. of BC
James Collins, Tymac Launch Service Ltd.
Jeremy Crawford, Waste Control Services
Christian Dietrich, Ecowaste Industries
Robby Gill, Cloverdale Fuel Ltd.
Grant Hankins, Waste Management Assoc. of BC
Ken Ingram, West Coast Reduction Ltd.
Gord Johnson, Empower Environmental/Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Group
Aiden Kiani, Lock-Block Ltd.
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Achilles Mallari, Sierra Waste Services Ltd.
Ralph McRae, Revolution
Maya Moucachen, Merlin Plastics
Nicole Peers, Queensborough Landing Recycling Depot
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Shad Prasad, Cascade Recovery+
Liliana Segal, Green Chair Recycling
Cynthia Shore, Republic Services
Nicole Stefenelli, Urban Impact Recycling Inc.
Sebastian van Wollen, Blue Planet Recycling
Michael Zarbl, Major Appliances Recycling Roundtable

MEMBERS ABSENT

Ken Carrusca, Cement Association of Canada
Matthew McAra, GFL
David Millman, Waste Management of Canada
Josh Van Doorn, Super Save Disposal

METRO VANCOUVER STAFF:

Brooke Atkinson, Communications and Education Coordinator
Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Services Planning, Zero Waste Implementation
Paul Henderson, General Manager, Solid Waste Services
Alison Hilkewich, Assistant to the General Manager, Solid Waste Services
Nanette van Doorn, Strategy and Stakeholder Relations
Adriana Velazquez, Senior Project Engineer
Sandy Young, Senior Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services

CITY OF VANCOUVER STAFF:
Lynn Belanger, Manager, Transfer and Landfill Operations Branch
John McDermott, Manager, Solid Waste Strategic Services Branch

PREPARATION OF MINUTES: Kelsey Guenette, Raincoast Ventures Ltd.

AGENDA:

Solid Waste and Recycling Industry Advisory Committee Meeting #3

June 7, 2022
1:00 PM – 3:00 PM
Zoom

Agenda

1. Agenda
    1.1. June 7, 2022 Meeting Agenda
2. Minutes
    2.1. May 3, 2022 Meeting Minutes
3. Reports
    3.1. Industry Advisory Committee Meeting Structure
        3.1.1. No Automatic Muting
        3.1.2. Meeting Attendance
        3.1.3. Terms of Reference Update
    3.2. Solid Waste Management Plan Engagement
    3.3. Topics of Interest Discussion
        3.3.1. List of Topics from March 2022 IAC Meeting
        3.3.2. Breakout Room for Topics Discussion
        3.3.3. September Workshop of High Priority Topics
    3.4. Potential Standing Agenda Items for Discussion
        3.4.1. Waste Flows
        3.4.2. Upcoming Zero Waste Committee Reports
        3.4.3. Solid Waste Management Plan
        3.4.4. Operational and Other Solid Waste System Updates
        3.4.5. Additional
    3.5. Metro Vancouver Updates
        3.5.1. 2021 Waste Composition Study Results
4. Other Business
5. Next Steps
    5.1. Next meeting is on September 7, 2022

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

MEETING MINUTES:

WELCOME

Craig Hodge, Co-Chair, called the meeting to order at 1:06 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) meeting.

1. AGENDA

1.1 June 7, 2022 Meeting Agenda

Mary Polak, Co-Chair, reviewed the agenda, noting the addition of Item 3.5.2, Taking Out the Trash Initiative.

2. MINUTES

2.1 May 3, 2022 Meeting Minutes

Co-Chair Polak called for errors or omissions in the minutes of the May 3, 2022 IAC meeting. No errors or omissions were identified by IAC members.

3. REPORTS

3.1 Industry Advisory Committee Meeting Structure

Paul Henderson, General Manager, Solid Waste Services, reviewed the IAC meeting structure, and noted that the "raise hand" function would continue to be used to identify speaker order. Auto-muting would be eliminated unless noisy backgrounds etc. require staff to mute a participant.

Paul also noted that as per the IAC Terms of Reference, IAC members absent from two or more consecutive meetings may be dismissed at the discretion of the Co-Chairs. The three members that missed two consecutive meetings have been advised of the Terms of Reference provision.

Paul noted that an error identified in Section 14 of the IAC Terms of Reference had been corrected to outline that any amendments to the Terms of Reference would be provided to the Zero Waste Committee for information and not for approval.

3.2 Solid Waste Management Plan Engagement

Sandy Young, Senior Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services, gave a presentation on the timeline for Solid Waste Management Plan engagement, and highlighted:

- The existing plan was approved by the province in 2011, and Metro Vancouver's Board approved initiating a plan update in 2019
- Key goals include reduction, reuse, recycling, material and energy recovery, and disposal
- Updating the plan will accelerate waste reduction and diversion, promote a circular economy, and reduce greenhouse gases
- The public engagement program will exceed regulatory requirements, be transparent,

inclusive, and responsive, and be equitable and accessible

- Pre-engagement occurred in spring 2021, leading to Phase 1: Guiding Principles/Engagement commencing in early 2023
  - Goals for pre-engagement were to learn about preferences for communication channels and methods of participation
  - Feedback included comments related to the desire for early and continuous opportunities to provide feedback, transparency in the use of input for decision making, and ensuring a fair and collaborative engagement process overall
- Indigenous engagement will be a separate, iterative, and collaborative process that includes First Nations and urban Indigenous peoples guided by the *United Nations Declaration on the Rights of Indigenous Peoples*
- An equity lens in solid waste management planning will incorporate public engagement program design, public/technical advisory committee selection, and plan development.

3.3 Topics of Interest Discussion

3.3.1 List of Topics from March 2022 IAC Meeting

Co-Chair Polak reviewed the list of topics identified by IAC members at the March 2022 IAC meeting, noting that a workshop would be held in September 2022 to further discuss topics and develop priorities.

3.3.2 Breakout Room for Topic Discussions

Committee members were divided into breakout rooms to discuss the proposed list of topics, and considered the following questions:

- What important topic areas are missing from the list?
- Do the themes that the topics have been broken into make sense/how could they be improved?
- What topic areas should be discussed in the immediate future with the goal of finding near term solutions?
- What topic areas are best included in the longer-term discussions related to updating the Solid Waste Management Plan?

Following the breakout session, a representative from each group presented the following:

- Group 1:
  - Priority topics: EPR, circular economy, better communications, streamlining, and transparency of how things work
  - Near term and longer-term topics for discussion include reduction of greenhouse gases, use of technology/artificial intelligence, how to drive behavioural change, supply and demand/markets, product quality, climate change issues, procurement (how it will drive demand that will drive supply), and development of product quality to get to an end market

- Group 2:
  - Priority topics: EPR and the concept of adding commercial/institutional materials to that program, allocation of resource to waste-to-energy (WtE), accountability in the recycling system (accurate statistics)
  - Additional topics include moving resources away from incineration, role/cost/benefit analysis of EPR, and addressing the exporting of waste (e.g. have restrictions on how waste is moved out of the country)
- Group 3:
  - Priority topics: Land zoning and "3P modelling" should be added under the theme "Public-Private Integration"
  - Immediate topics of concern include consumer education, "Not In My Backyard" (NIMBY), processing opportunities to keep a circular economy regionally, and multi-family diversion
  - A longer-term topic for discussion is capacity
- Group 4:
  - Styrofoam should be added to the "Recycling/Circular Economy/Zero Waste" theme
  - Topics that could be grouped together include free market, open market, flow control, and competition
- Group 5:
  - How the private sector can support MV and local governments in the pursuit of zero waste should be added to the list of topics
  - It would be beneficial to organize breakout rooms in a manner that groups similar organizations together to be more effective in developing specific suggestions related to their industries
  - An important topic for discussion is public policy and how to ensure products have recycled content across the supply chain
  - In the short term, design for recyclability in a circular economy, and communication across supply chain, are important topics
- Group 6:
  - Public education could be moved into the "Public-Private Integration" theme and prioritized in a number of the other themes as well to improve general public understanding of recyclability
  - Short-term topics for discussion include prioritization of communications strategies and public education in an effort to increase recyclability, which will change demand and potentially how manufacturers design products
  - Long-term topics for discussion include the importance of language – with 64% of materials being recycled, language needs to change from "solid waste" to "resource" as recyclable materials are not waste; this relates back to public education.

For detailed breakout room notes, refer to Appendix 1.

Co-Chair Polak invited additional feedback from IAC members, and the following comments were offered:

- Satisfied with the variety of individuals in the breakout groups – sometimes it is beneficial to not be in a silo
- Discuss how MV can focus on reduction/reuse strategies; it is an area that we can "move the needle" on in the region if more resources are allocated towards it
- There is an issue with how the regional district balances efforts within its departments and a sense of tension (i.e., solid waste is trying to accomplish a goal, and climate action is trying to accomplish a goal, but they are not complimentary); how does balance happen and how is the overall net regional benefit assessed?
- Preference to participate in breakout sessions with similar organizations
- A priority topic related to finding solutions to reduce the hypocrisy of those promoting recycling but not accepting it as priority at their facilities could be added to the list
- An additional topic for discussion could be how procurement drives demand.

3.3.3 September Workshop of High Priority Topics

Co-Chair Polak invited IAC members to email any additional feedback on priority topics ahead of the September 2022 workshop to the Co-Chairs. It was noted that a survey would be circulated to IAC members to gather consensus on whether the workshop should be held in person or virtually. Survey results available as Appendix 2.

3.4 Potential Standing Agenda Items for Discussion

Paul Henderson noted the following potential standing agenda items for future meetings:

- Waste Flows
- Upcoming Zero Waste Committee Reports
- Solid Waste Management Plan
- Operational and Other Solid Waste System Updates.

Committee members were invited to identify additional potential standing agenda items and/or indicate that any of these topic areas need not be included as meeting standing agenda. During an ensuing discussion, it was suggested that some standing items could simply be provided in writing without the requirement to present the information to the Committee.

3.5 Metro Vancouver Updates

3.5.1 2021 Waste Composition Study Results

Terry Fulton, Senior Project Engineer, Solid Waste Services Planning, Zero Waste Implementation, gave a presentation on 2021 Waste Composition Study results, and highlighted:

- A full-scale study includes samples from all sectors received at regional facilities and is conducted annually

- A multi-family study focuses on apartment and townhome waste sampled directly from participating buildings and will be conducted annually for the next three years, then every two years thereafter
- Both a full-scale and multi-family study were conducted in 2021
- Results of the full-scale study indicated similarities in data from 2018 and 2021, while 2020 showed significant differences
- In 2021, it was found that masks increased by more than double from 2020 (40 masks per capita to 94 per capita)
- Results of the multi-family study indicated many similarities to the previous study in 2017.
- In conclusion:
  - 2021 composition is similar to pre-pandemic composition in 2018
  - Single-use items are lower than in 2018
  - Personal protective equipment disposal, particularly masks, has increased since 2020
  - Compostable organics remain a key opportunity in the multi-family sector.

During an ensuing discussion, an IAC member suggested that future studies could include more per capita statistics and data on the volume of recycled/composted materials.

In response to a question regarding whether MV conducts studies on recycling streams, it was noted that focus is placed on garbage as it is what is received at MV facilities; however, Recycle BC does conduct its own studies.

3.5.2 Taking Out the Trash Initiative

Paul Henderson advised that a pilot project under the Metro Vancouver Regional District Sustainability Innovation Fund, titled "Taking Out the Trash Initiative", was approved by the Board in February 2022. The study is driven by member municipalities with an interest in moving to low carbon garbage collection and litter collection vehicles and is led by the Air Quality Department. The project is in the early stages, and staff will be invited to present at the September 2022 IAC workshop to provide an overview and further details with respect to the study.

During an ensuing discussion, an IAC member of Waste Connections of Canada offered to share best practices in terms of electric/hydrogen vehicles with Air Quality staff.

It was requested that future reports at IAC meetings include statistics indicating how much recycled content is being used by MV or other public agencies.

4. OTHER BUSINESS

There was no other business.

5. NEXT STEPS

Co-Chair Polak thanked Committee members for their participation and advised that the next meeting was scheduled to occur on September 7, 2022.

6. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:35 p.m.

Appendix 1: Solid Waste and Recycling Industry Advisory Committee Meeting June 7, 2022 - Breakout Room Notes

Appendix 2: September Workshop of High Priority Topics – Survey Results

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Appendix 1: Solid Waste and Recycling Industry Advisory Committee Meeting
June 7, 2022 - Breakout Room Notes

Questions asked during breakout

1. What important topic areas are missing from the list? (topic list provided in the agenda package ahead of the June 7, 2022 meeting)
2. Do the themes that the topics have been broken into make sense/How could they be improved?
3. What topic areas should be discussed in the immediate future with the goal of finding near term solutions?
4. What topic areas are best included in the longer term discussions related to updating the solid waste management plan?

Group 1
Members: Izzie Abrams, Ken Ingram, Mannie Cheung, Terryl Plotnikoff, Achilles Mallari
Reported out to plenary: Izzie Abrams

- Would like more about EPR and Circular Economy
- Under communications – publics needs information and transparency to help them make decisions. Also streamline the process/information for consumers. City of Vancouver, Metro Vancouver, Consumer Council – all the natural places where consumers go look for information and they need alignment. Stimulate and facilitate behaviour change
- Expanding EPR dovetail with the province (ministry 5 year service plan) need to immediately work with the ministry
- Principles of Circular Economy and policy
- Artificial Intelligence, technological advances in recycling centres
- Wood recyclers – challenge finding a place to send recycled wood. A mill has shut down
- Wood waste – the solution needs to be less dependent on pulp and paper mills and need to find markets
- GHG – create broader local infrastructure / end markets for recycled items. Need resilience in the region
- From a procurement side create demand among big consumers – focus on government procurement for recycled content
- Attracting more organics processors, wood processors to the province
- Product quality – for recycling and organics because the end users are tightening their restrictions in regard to accepting material
- Residential side the contamination is increasingly a problem
- Impacts of natural disaster – emergency preparedness plan. Managing the clean up and more information about Metro Vancouver's resilience plan
- Develop sustainable end markets in the long term
- Waste to Energy as a long term goal or discussion. Worth looking at in the long term as capacity declines

Group 2
Members: Ralph McRae, Jeremy Crawford, Jamie Kaminski, Michael Zarbl, Gord Johnson
Reported out to plenary: Ralph McRae

- Solid waste services are best provided through market mechanisms

    - Economics have generally proven that an open, free, and competitive system provides the best cost and service
- Extended Producer Responsibility (EPR)
    - What role does industry have/does MV have? Is it a benefit/hindrance? Is a system in place to deal with it? What is there to treat it?
    - EPR with respect to IC&I will be an important topic for MV to consider impacts and what it will do to competition
    - This is a long-term issue, need to understand implications from a competition level
    - Governance of EPR and the ability to "move the needle"
    - Advocate towards better governance for all organizations to participate and ensure they are being innovative in terms of recycling
- Need full supply chain accountability and accurate statistics
- Need to determine whether committee can engage effectively in this region where our regulators are also our competitors
- Avoid adding additional resources to waste energy and add them to waste reduction efforts
- Focus on improving disposal bans and address the exporting of waste out of the region/country
- Understanding exporting/regulations that MV has in place may be productive for the IAC
- Like to see how MV can drive more reuse and reduction of waste
- Need to see fundamental change to the way this sector deals with these issues (i.e., know where we are starting from and then see achievement)
- The IAC will not be able to develop short-term solutions but can decide on the most important topics and where it can move the needle most
- How to make recycling more accountable
- Run pilots on actionable items we already have
- Talk to the Ministry about the exporting of waste
- Need a better understanding of data/better reporting of numbers and how the region got to where we say we are
    - How do we gather data and support organizations and move in the direction of more reuse and better reuse?
    - We cannot manage what we cannot measure
- Question accountability throughout the entire system
    - Need full supply chain accountability from generator to ultimate disposal
- Need to do more, and we need to do better
- Start by looking at the disadvantages and advantages of EPR, what exporting of mixed waste means and why it is not good

Group 3

Members: Lori Bryan, Christian Dietrich, Sean Kawakami, Shad Prasad
Reported out to plenary: Lori Bryan

Additional topics:

- Public-Private Integration
    - Permitting
    - Procurement process (contracts)
    - 3P modeling
    - Franchising
- Regulation/Incentives

    - Financing
- Long-term Planning/Resiliency
    - Land zoning for waste facilities
- Recycling/Circular Economy/Zero Waste
    - Labelling of recyclable products

Areas of interest:

- Consumer education (including those with NIMBY mentality)
- Processing opportunities
    - Keeping the circular economy regional
    - Also includes regulation and zoning
- Multi-family diversion – education opportunities to support behavior change
- Capacity (e.g. landfill) with respect to long-term planning

Group 4

Members: Binder Boora, James Collins, Cynthia Shore, Grant Hankins
Reported out to plenary: Cynthia Shore

- Break out groups should be organized according to industry to make them more focused (one comment)

- Areas of interest:
    - Design for recyclability
    - Requirements for recycled content (how to advance public policy)
    - Transition to circular economy (how can MV assist, how can MV support local businesses transition)
    - Communications to support behavior changes, CE and other shifts across the supply chain (stewards, businesses)
    - Education, communications, behavior change to support getting to zero waste
    - Shifting consumer choices (ie more support for recycled content)
    - Desire to learn more about regulatory/jurisdictional boundaries (ST)
    - Caution about harmful plastics messaging – it hurts businesses recycling plastics.

Group 5

Members: Liliana Segal, Robby Gill, Aiden Kiani, Maya Moucachen, Nicole Stefenelli
Reported out to plenary: Nicole Stefenelli

- Hard to recycle plastics – Include examples, such as Styrofoam
- Prioritize the following:

Public-Private Integration

- Level playing field
    - Same level of access for all players
    - C&D in not standardized – different number of bins. Not same for all sites
- Combined together - free/open market
- Competition

- Efficiency
- Flow Control

Recycling/Circular Economy/Zero Waste

- Organics: Shortage of processing and recycling facilities
- Packaging recycling
- Hard to recycle plastics
- Use of recycled materials
  - Markets for materials
  - Use of recycled materials is a roadblock. Not many avenues to use recycled materials in C&D industry
- Ease of access
- Opportunities to divert from landfill
  - Landfill bans – Steer away from SUI. Still available at points of sale (supermarkets) vs restaurants. Need for consistency
  - Consistent disposal bans

Group 6

Attendees: Nicole Peers, Sebastian van Wollen, Jacqueline Lotzkar
Reported out to plenary: Jacqueline Lotzkar

- Discussed that public education could be moved into public/private integration to address the gap between what happens at facilities vs. individual action
- Discussed that public education could also fit under long term planning/resiliency

- Prioritized public education for near term discussion
  - What is being missed in terms of public messaging?
  - How do we continue to encourage recycling?
  - Discussed ease of access of education material
  - Signage can be overwhelming
  - Simplification can help broaden audiences and address multiple demographics
  - End of life of materials could be better communicated
  - Education needs to change as materials change
  - Highlighted that information and education can help drive change upstream (i.e. designing for recyclability) which helps with downstream management

- Continue to improve on our diversion rate
- Consider reframing/redefining the discussion to focus on materials or recycling rather than waste
  - Majority (64%) is recycled, so should we be referring to it as “waste” management?
- Consider education on the recycling industry in general
  - Many don’t understand the scope and breadth of recycling in the region

Appendix 2: September Workshop of High Priority Topics – Survey Results

Q1: What is your preference for the September 7, 2022 workshop?

Results:

In-person with live stream of plenary sessions: 9

All virtual: 6

Q2: Who would you prefer to facilitate the breakout room sessions at the September workshop?

Results:

Committee members: 3

Third party expert facilitator: 11

Q3: Please select the topics you want to learn about and discuss at the September 7, 2022 workshop. Please chose as many as you are interested in. Note that we have flagged topics as "Staff recommended" where we think the items provide the most potential for short-term gains. Please see the email attachment for more information on each topic.

Results by number of responses:

Metro Vancouver Disposal Ban Program – Staff recommended	12
Public education and communication regarding contamination, behaviour changes, and support for recycled content – Staff recommended	8
Waste reduction and recycling data – Staff recommended	8
Zero Waste / Circular Economy – Staff recommended	8
Construction and Demolition Waste Management	6
Extended Producer Responsibility	7
Organics Management	4
Residential and Commercial/Institutional Residual Garbage Management	3
Other	4

Responses for Other:

1. Processing capacity/opportunities (regulation/zoning – keeping the loop local ie: regional/provincial) – procurement process – private sector innovation
2. Capacity – future plans for local waste processing plants/MRF's/CHP/Landfills
3. Moving away from using incineration of waste as a pre-treatment to disposal… Focusing resources towards more beneficial solutions
4. The elephant in the room of flow control. Topics such as a level playing field, open market, competition, and system efficiencies should be included or specified under private sector role/participation.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Wednesday, September 7, 2022
1:00 p.m. – 4:00 p.m.
Metro Vancouver Head Office, Room 2912
4515 Central Boulevard, Burnaby BC, V5H 0C6 and Zoom Participation

A G E N D A

1. AGENDA

1.1 September 7, 2022 Meeting Agenda
1.2 Workshop Format Overview

2. MINUTES

2.1 June 7, 2022 Meeting Minutes

3. TOPIC PRESENTATIONS

3.1 Metro Vancouver Disposal Ban Program
Verbal Presentation
Designated Speaker: Lynne Vidler, Lead Senior Engineer, Operations & Planning, Solid Waste Services

3.2 Waste Reduction and Recycling Data
Verbal Presentation
Designated Speaker: Terry Fulton, Senior Project Engineer, Planning & Zero Waste Implementation, Solid Waste Services

3.3 Zero Waste and Circular Economy
Verbal Presentation
Designated Speaker: Karen Storry, Senior Engineer, Planning & Zero Waste Implementation, Solid Waste Services

3.4 Residential and Commercial/Institutional Residual Garbage Management
Verbal Presentation
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

**The discussion questions for each presentation are only suggested, members are encouraged to discuss any areas of interest on the topics at the discussion group sessions.*

3.5 Questions/Comments

4. TOPIC DISCUSSION GROUP SESSIONS

4.1 Topic Discussion Group Session 1

4.2 Topic Discussion Group Session 2

4.3 Workshop Debrief

5. NEXT STEPS

5.1 IAC Members Registration for September 28-29, 2022 Zero Waste Conference

5.2 October 4th and November 1st Meeting Format

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:

Abrams, Izzie - Waste Connections of Canada
Boora, Binder - BC Earth Exchange & Saskay Earth Exchange Ltd.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Cheung, Mannie - Product Care Association of BC
Collins, James - Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Doorn, Josh van - Super Save Disposal
Gill, Robby - Cloverdale Fuel Ltd.
Hankins, Grant - Waste Management Association of BC
Ingram, Ken - West Coast Reduction Ltd.
Johnson, Gord - Empower Environmental/ Northstar
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Peers, Nicole - Queensborough Landing Recycling Depot
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Prasad, Shad - Cascade Recovery +
Segal, Liliana - Green Chair Recycling
Shore, Cynthia - Republic Services
Stefenelli, Nicole - Urban Impact Recycling Inc.
Wollen, Sebastian van - Blue Planet Recycling
Zarbl, Michael - Major Appliances Recycling Roundtable

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Evanetz, Sarah – Metro Vancouver
Henderson, Paul – Metro Vancouver
McDermott, John – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE
MEETING #5

Minutes of the Solid Waste and Recycling Industry Advisory Committee Meeting #5 held at 1:00 p.m. on Tuesday, September 7, 2022, at the Metro Vancouver Head Office, Room 2912, 4515 Central Boulevard, Burnaby BC and via Zoom.

MEMBERS PRESENT IN-PERSON:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Mary Polak, Waste Connections of Canada (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Ken Carrusca, Cement Association of Canada
Mannie Cheung, Product Care Assoc. of BC
Jamie Kaminski, HSR Zero Waste
Achilles Mallari, Sierra Waste Services Ltd.
Ralph McRae, Revolution
David Millman, Waste Management Association of Canada
Cynthia Shore, Republic Services

MEMBERS PRESENT ON ZOOM:

Lori Bryan, Waste Management Assoc. of BC
James Collins, Tymac Launch Service Ltd.
Christian Dietrich, Ecowaste Industries
Robby Gill, Cloverdale Fuel Ltd.
Grant Hankins, Waste Management Association of BC
Gord Johnson, Empower Environmental/Northstar
Aiden Kiani, Lock-Block Ltd.
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Matthew McAra, GFL
Maya Moucachen, Merlin Plastics
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Shad Prasad, Cascade Recovery+
Liliana Segal, Green Chair Recycling
Nicole Stefenelli, Urban Impact Recycling
Sebastian van Wollen, Blue Planet Recycling
Michael Zarbl, Major Appliances Recycling Roundtable
Sean Kawakami, Convertus Group

MEMBERS ABSENT:

Binder Boora, BC Earth Exchange
Jeremy Crawford, Waste Control Services
Kenneth Ingram, West Coast Reduction Ltd.
Nicole Peers, Queensborough Landing Recycling Depot
Josh Van Doorn, Super Save Disposal

METRO VANCOUVER STAFF:

Brooke Atkinson, Communications and Education Coordinator, Strategy and Stakeholder Relations, Solid Waste Services
Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Services Planning, Zero Waste Implementation
Paul Henderson, General Manager, Solid Waste Services
Alison Hilkewich, Assistant to the General Manager, Solid Waste Services
Karen Storry, Senior Engineer, Planning and Zero Waste Implementation, Solid Waste Services
Lynne Vidler, Lead Senior Engineer, Operations and Planning, Solid Waste Services

Sandy Young, Senior Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services
Chris Underwood, Division Manager, Solid Waste Planning, Solid Waste Services
Chris Allan, Director, Solid Waste Operations, Solid Waste Services

CITY OF VANCOUVER STAFF:
Lynn Belanger, Manager, Transfer and Landfill Operations Branch

FACILITATION:
Andrea Manchon, Facilitator, Argyle Communications
Christie Libby, Facilitator, Argyle Communications
Krystyna Lloyd, Facilitator, Argyle Communications
Sarah Bradley, Facilitator, Argyle Communications
Beatrice Batigne, Notetaker, Argyle Communications
Patricia Almeida, Notetaker, Argyle Communications
Taruni Singh, Notetaker, Argyle Communications

PREPARATION OF MINUTES: Rae Ratslef, Raincoast Ventures Ltd.

Agenda

1. Agenda
   1.1. September 7, 2022 Meeting Agenda
   1.2. Workshop Format Overview
2. Minutes
   2.1. June 7, 2022 Meeting Minutes
3. Topic Presentations
   3.1. Metro Vancouver Disposal Ban Program
   3.2. Waste Reduction and Recycling Data
   3.3. Zero Waste and Circular Economy
   3.4. Residential and Commercial/Institutional Residual Garbage Management
   3.5. Questions/Comments
4. Topic Discussion Group Sessions
   4.1 Topic Discussion Group Session 1
   4.2 Topic Discussion Group Session 2
   4.3 Workshop Debrief
5. Next Steps
   5.1. IAC Members Registration for September 28-29, 2022 Zero Waste Conference
   5.2. October 4th and November 1st Meeting Format

MEETING MINUTES

Craig Hodge, Co-Chair, called the meeting to order at 1:03 p.m., welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) meeting, and acknowledged the traditional territories of the Indigenous Nations whose territories are in the Metro Vancouver region. It was noted that there would also be a virtual component of the plenary portions of this meeting.

1. AGENDA

1.1 September 7, 2022 Meeting Agenda

Co-Chair Hodge called for additions or changes to the agenda. No additions or changes were identified.

2. MINUTES

2.1 June 7, 2022 Meeting Minutes

Co-Chair Hodge indicated a team from Argyle Communications was present to facilitate and take notes during the topic discussion groups.

Co-Chair Hodge led IAC members attending in person and virtually, in a round of self-introductions.

Co-Chair Hodge called for errors or omissions in the minutes of the June 7, 2022 IAC meeting. No errors or omissions were identified.

3. TOPIC PRESENTATIONS

Andrea Manchon, Argyle Communications, Facilitator, noted there would be four presentations provided by Metro Vancouver on key topics that were previously chosen by IAC members, following which there would be a questions/comments session and discussion groups.

The IAC Terms of Reference were referenced, and an overview of the IAC Code of Conduct was provided.

3.1 Metro Vancouver Disposal Ban Program

Lynne Vidler, Lead Senior Engineer, Operations and Planning, Solid Waste Services, provided a presentation titled "Metro Vancouver Disposal Ban Program", and highlighted:

- Regional solid waste facilities
    - There are seven recycling and waste centres (including Central Surrey opening September 9 and Vancouver South Transfer Station), one waste-to-energy facility, and the Vancouver Landfill
    - There are nine inspectors that rotate among the facilities

- Metro Vancouver reports out on the program annually to the Zero Waste Committee.

Most recurring surcharged materials consist of mattresses, oversized items, and gypsum, cardboard and electronics.

- Customer may dispute any surcharges by submitting a surcharge dispute form available online
- In 2021, there were just over 3,000 surcharges issued, and 15 dispute forms were received
- 2021 data for Disposal Ban Program performance for customer type, loads inspected, surcharge notices issued, and surcharge rate for non-account, municipal, and commercial

3.2 Waste Reduction and Recycling Data

Terry Fulton, Senior Project Engineer, Planning and Zero Waste Implementation, Solid Waste Services, provided a presentation titled "Waste Reduction and Recycling Data", and highlighted:

- Types and quantities of waste generated (disposal + recycling, composition of material disposed, tonnage of commodities recycled)
    - Source of material – residential, commercial, and small loads
- Metro Vancouver tracks progress on various initiatives
    - Goals: Gauge progress and identify targets for future programs and policies
    - Tracks disposal quantities, source, and scale data
    - Disposal data sources: municipal surveys, scale data, waste composition studies, and private facilities
    - Recycling data sources: licensed and unlicensed private facilities and Extended Producer Responsibility (EPR) reports
    - Reuse data sources: reuse and repair organizations, scale data, and calculations
- Generation and recycling over time
    - Interest is to see the disposal and generation lines decreasing
- Recycling rates
    - 2020 data – 64% recycling and diverted, 36 % landfill and waste to energy
    - Recycling rate by sector - residential - single-family 64% and multi-family 38%, commercial/industrial 44%, and 78% construction/demolition
- 2011 Solid Waste Management Plan targets
    - 10% reduction waste generation (achieved 11%)
    - 80% recycling rate (achieved 64%)

3.3 Zero Waste and Circular Economy

Karen Storry, Senior Engineer, Planning and Zero Waste Implementation, Solid Waste Services, provided a presentation titled "Zero Waste and Circular Economy", and highlighted:

- Examples of tools used to transition to a circular economy (informed by the latest data and research), including collaboration, research, policy, programs, infrastructure, and public education
- Three principles of the circular economy
    - Design out waste and pollution
    - Regenerate natural systems
    - Keep products and materials in use

- Textiles campaigns in the Metro Vancouver region
  Year 1 – The Life Cycle of Unwanted Clothing
  Year 2 – We Each Trash 44 T-Shirts Per Year
  Year 3 – Think Thrice About Your Clothes – Reduce, Repair, Reuse
- Construction and Demolition (C&D) Waste Reduction and Recycling Toolkit – (October 2020)
  - In 2020, the Toolkit was updated to include more options beyond recycling, i.e., adaptive reuse, house moving, deconstruction, and salvage and reuse
- Examples of collaboration
  - Recycling Council of British Columbia (RCBC) Recycling Database; Metro Vancouver Recycles helps residents find recycling options; data is powered by RCBC
  - Reuse Day at the North Shore Recycling and Waste Centre – June 2019 diverted 1,565 kg of reusable materials; end of August 2022 collected over 2,000 kg in four hours
- National Zero Waste Council
  - Focus areas: waste prevention, circular economy, C&D, food, plastics, and product design and packaging
  - Recently launched its circular cities and regions initiative.
- Circular economies value material regeneration through reuse and recycling over resource extraction by eliminating waste which requires community-based collaborations, research, policy programs, infrastructure and education
- Examples included:
  - Textile Waste: Much infrastructure for sorting clothing exists in Metro Vancouver; everything can be donated and 25% of collected clothing is resold locally
  - Construction and Demolition Waste: Potential toolkits for municipalities and private companies to reduce waste and explore adaptive reuse, deconstruction etc.
  - Networking: Metro Vancouver created the Regional Food Recovery Network and National Zero Waste Council to focus on waste prevention and creation of circular economies

3.4 Residential and Commercial/Institutional Residual Garbage Management

Paul Henderson, General Manager, Solid Waste Services, provided a presentation titled "Residential and Commercial/Institutional Residual Garbage Management", and highlighted:

- Tipping Fee Bylaw includes the Generator Levy, which is applicable to all residential and commercial/institutional garbage
- Generator Levy
  - Encourages delivery of garbage to Metro Vancouver and City of Vancouver facilities and simplifies tracking diversion goal progress

    - Loads are subject to tipping fee bylaw requirements
    - Effective January 1, 2018
    - $54/tonne in 2022
    - Hauler remits to Metro Vancouver if they deliver residential or commercial/institutional garbage to other facilities
- Generator Levy history
    - *GVS&DD Act* amended in 1995 to provide authority to implement the Generator Levy
    - Tipping Fee Bylaw amended by GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amending Bylaw No. 308, 2017 to include the Generator Levy
    - February 2018 update to ensure the Generator Levy was only paid once for facilities recovering energy or materials

3.5 Questions/Comments

IAC members were invited to participate in discussion on the presentations, which prompted the following questions/comments and *responses*:

- Suggestion that construction and demolition recycling rates are lower than reported due to inclusion of concrete in calculation:
    - *Metro Vancouver's approach provides a transparent data set that details the numbers and specific materials. We have heard the comment regarding concrete previously.*

- Suggestion that data from product stewards may not be reliable, question as to whether data excludes materials collected but not recycled?
    - *Product Stewards are obligated to report on success of collection and recycling of materials within their category. For example, RecycleBC reports out on total materials collected as well as end fate of materials.*
    - *Metro Vancouver reports based on actually recycled materials rather than simply inbound. Metro Vancouver does count as recycling materials used as fuel to offset fossil fuels, but materials managed at the Waste-to-Energy Facility are not counted as recycling.*

- A member commented that 96% of concrete is recycled, but that is generally to a lower use. Industry is working on this to make it more of a circular economy and using it to make more concrete. Concrete and wood waste is the reason that C&D recycling rate (78%) is very high. We need to be transparent and show the figures.

- Are lithium batteries banned materials under the tipping fee bylaw? These batteries create a substantial fire hazard when management incorrectly.
    - *Lithium batteries are among the banned materials at Metro Vancouver Solid Waste Facilities, but are not commonly seen in the waste stream.*

- 11% reduction in the generation of waste. What activities contributed to that?
    - *A variety of factors likely resulted in the observed decline in waste generation.*

It is difficult to determine a specific cause or causes. It is easier to see how disposal is decreasing and recycling is increasing due to specific actions such as organics recycling. The cause or causes of reductions in generation are more difficult to conclusively determine.

- Do you focus on the residual number vs. the recyclable number? That would help improve the recycling numbers. When you send something to recycling do you know the residual number? We need a more realistic recyclable number.
    - *The material data provided depends on the source of the data. The Extended Producer Responsibility (EPR) stewards' annual reports show incoming materials and their end fate so good data is available, however it is not the same for all materials.*

- Regarding the data collection and comment about the 80% aspiration goal of recycling and diversion, that number was picked approximately 15 years ago. Is it still being used? Has a business/data collection model been played out to reach that 80% and what does that mean for the folks in the room from a collection standpoint and for taxpayers that need to pay for it?
    - *The 80% diversion target in the current solid waste management plan was selected without a significant amount of technical analysis. As part of developing the new solid waste management plan, it will be key action in developing a new solid waste management plan will be to establish new targets for waste reduction along with developing new targets for parameters such as greenhouse gas emission reduction. We would like to do that in a fact-based approach.*

- A member commented that the public is ready for new/achievable targets.

It was noted that questions/comments could also be submitted by email to solidwasteoperations@metrovancouver.org by Thursday, September 8, 2022 for inclusion in the meeting notes.

4. TOPIC DISCUSSION GROUP SESSIONS

The Facilitator noted that those attending the meeting in person would have an opportunity to participate in two of the four discussion groups, and that the plenary session would resume at 3:30 p.m.

Discussion group notes are attached as Appendix 1

5 NEXT STEPS

5.1 IAC Members Registration for September 28-29, 2022 Zero Waste Conference

Brooke Atkinson, Communications and Education Coordinator, Metro Vancouver, indicated the presentations are available on the IAC meeting site under today's meeting. An invitation was extended to all IAC members to register for the September 28-29, 2022 Zero Waste Conference, noting that Metro Vancouver would cover the related costs.

5.2 October 4th and November 1st Meeting Format

Brooke Atkinson thanked IAC members for their participation and advised that the next meetings were scheduled to occur on October 4, 2022 and November 1, 2022.

It was noted that there was a change to a members Statement of Interest Declaration and that could be found on the IAC website.

Paul Henderson indicated there would be a post-workshop survey in the next several days on the process of the workshop, to assist in planning for future additional workshops.

Co-Chair Hodge thanked members for their participation, the presenters, the facilitation and note-taking team, and Co-Chair Polak.

5. CONCLUSION

The Solid Waste and Recycling Industry Advisory Committee meeting concluded at 3:51 p.m.

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Appendix 1:

Metro Vancouver Solid Waste and Recycling Industry Advisory Committee September 7, 2022 Topic Discussion Group Notes		
4.1 Metro Vancouver Disposal Ban Program – Session 1	Argyle Facilitator: Christie Libby Metro Vancouver staff: Lynne Vidler	**Question 1: What improvements could be made to the disposal ban program?** IAC members identified a need for more information on: - New initiatives for the disposal ban program IAC members would like Metro Vancouver to: - Review the disposal ban effectiveness matrix from the previous disposal ban effectiveness working group - Provide data to haulers about areas/industries where there is incorrect recycling - Lower the organics ban from 25 % to 5 % - Create an improved feedback loop between Metro Vancouver, the waste generator and the hauler so Metro Vancouver can better understand the resources haulers require in order to implement this policy - Look at the motivations of the waste generator to design persuasive messaging to change their behaviors - Address the issue that it's cheaper for waste processors to mix garbage and organics, instead of separating waste streams - The generator who recycles incorrectly should be the one who takes responsibility and is fined IAC members had questions about: - Whether Metro Vancouver can support haulers with resources to fine waste generators who recycle incorrectly - The possibility of fast tracking for clean loads (e.g. how to encourage clear bags for inspectors to see, how to sample bags safely) - How inspectors gauge whether 20-25% of a load is organics

4.1.1 Metro Vancouver Disposal Ban Program – Session 2	Argyle Facilitator: Christie Libby Metro Vancouver staff: Lynne Vidler	**Question 1: What improvements could be made to the disposal ban program?** IAC members identified a need for more information on: - Rates of illegal dumping in Metro Vancouver - Inspectors basing fines arbitrarily on either weight or volume - Why the inspection system fines the hauler when the waste generator (consumer) recycles incorrectly - The effectiveness of fines leading to changes in recycling rates IAC members would like Metro Vancouver to: - Conduct additional assessment of the impact of organic surcharges (e.g., 5%, 10%, 15%, 20%) - Implement a front-end system to collect a deposit from consumers at the point of sale to fund drywall disposal programs - Bylaw enforcement officers inspecting garbage at homes and job sites in addition to waste processing facilities IAC members had questions about: - The visual inspection system when haulers take waste to processing facilities - If fines for organics and mattress disposal bans lead to changes in recycling rates **Question 2: What other programs/initiatives could be used in addition to, or instead of, the disposal ban program?** IAC members suggested the following for consideration: - Extended producer responsibility programs - Additional surcharges for organics or books which are difficult to properly dispose of (binding removal is a challenge) - Tracking ("shadowing") inspectors to find efficiencies or improvements in their processes - Hiring additional inspectors to physically examine loads
4.2 Waste Reduction and Recycling Data – Session 1	Argyle facilitator: Krystyna Lloyd Metro Vancouver staff: Terry Fulton	**Question 1: What improvements could be made to Metro Vancouver's waste and recycling data collection, analysis and reporting processes?** IAC members would like Metro Vancouver to: - Provide information on disposal, recycling and residual rates which connects to how data is recorded

		- Provide a clear definition and description of what is and what is not included in the calculation **Question 2: What additional information/analysis would be useful?** IAC members would like Metro Vancouver to: - Provide a clear definition and description of what is and what is not included in the calculation **Question 3: What information is available in other communities that could be helpful in Metro Vancouver?** IAC members noted that comparisons between communities are challenging because of differences in data collection methods as well as differences in local circumstances.
4.2.1 Waste Reduction and Recycling Data – Session 2	Argyle facilitator: Krystyna Lloyd Metro Vancouver staff: Terry Fulton	**Question 1: What improvements could be made to Metro Vancouver's waste and recycling data collection, analysis and reporting processes?** IAC members would like Metro Vancouver to: - Audit/authenticate recycling rate information - Only reporting on what's under Metro Vancouver's direct control (i.e. garbage only) IAC members identified a need for more information on: - What percentage of waste is burned - What percentage of waste is actually recyclable - Rates of foreign vs. domestic recycling **Question 2: What additional information/analysis would be useful?** IAC members would like Metro Vancouver to: - Improve the reporting structure of collection methods to achieve the goals of Metro Vancouver policies Communicating with the rest of the industry if a waste recycler doesn't make proper reports - To not include concrete recycling as part of the overall recycling rates **Question 3: What information is available in other communities that could be helpful in Metro Vancouver?** IAC members identified a need for more information on: - Requirements to verify the recycling rates that facilities produce. Alternatively, if facilities can't produce a recycling rate, or undergo auditing, they should receive a zero recycling rate

4.3.1 Zero Waste and Circular Economy – Session 2	Argyle facilitator: Sarah Bradley Metro Vancouver staff: Karen Storry	**Question 1: What are some of the opportunities for growing the circular economy in our region?** IAC members would like Metro Vancouver to: - Include major manufacturers (i.e. the producers of single-use items) in conversations about the circular economy - Promote the benefits of circular goods, there needs to be a clear value proposition for all participants in the supply chain for circular goods to gain a foothold in the economy - Challenge is how easy it is for companies to greenwash their products by claiming that they contribute to the circular economy - Reinforce their values by taking action to relax zoning or provide grants and incentives for businesses participating in the circular economy - Provide the environment for end-use products to be reconfigured into new products - Could do a better job of promoting the fact that concrete is recycled for non- structural uses to the public - Metro Vancouver's efforts to consolidate recycling resources was helpful in providing clear and consistent information to the public IAC members identified a need for more information on: - The challenges to create a 100% circular economy because there needs to be demand and a clear business case for products that have been reused, repurposed or repaired - So many products being manufactured offshore, it is not practical for all products to end up in the circular economy stream **Question 2: Thinking about procurement, what are the opportunities in municipal/regional/private sector procurement processes?** IAC members would like Metro Vancouver to: - Have procurement documents with clear policies about using recycled content, however, this must be reinforced with an enforcement mechanism
4.4 Residual Garbage	Argyle facilitator:	**Question 1: What are the best practices in advancing waste diversion and waste management services?**

Management – Session 1	Andrea Manchon Metro Vancouver staff: Paul Henderson	IAC members identified a need for more information on: - City of Seattle was identified as a community with successful waste diversion practices. **Question 2: What opportunities do you see with generator levy implementation?** IAC members had questions about: - No levy payments have been remitted to Metro Vancouver and questioned if this meant no waste is being delivered to facilities other than Metro Vancouver's. Metro Vancouver doesn't have any information that would suggest residential and commercial/institutional garbage is being delivered to facilities other than City of Vancouver and Metro Vancouver solid waste facilities. - The challenges with the generator levy in terms of the different sources to rely on for data. Regulated businesses are required to make reports, but it will be harder to collect voluntary data or getting data from entities outside of Metro Vancouver. - Concern was expressed that Metro Vancouver both regulates and operates solid waste facilities. **Question 3: What roles should the private/public sector play in the delivery of waste and recycling services?** IAC members would like Metro Vancouver to: - Establish a clear delineation of policy-making, regulatory and service delivery roles, as well as a mandate to find the best use for taxpayers' money for both sectors.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, November 1, 2022
1:00 p.m. – 3:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 November 1, 2022 Meeting Agenda

2. MINUTES

2.1 September 7, 2022 Meeting Minutes

3. 2023 Industry Advisory Committee Meeting Format
Designated Speaker: Mary Polak, Industry Advisory Committee Co-Chair

4. REPORTS

4.1 September 7, 2022 Workshop Summary and Follow-up
Verbal Presentation
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 Disposal Ban Program Review
Verbal Presentation
Designated Speaker: Klaryssa Lawrie, Associate, Dillon Consulting

4.3 Waste Reduction and Recycling Data – Follow-up
Verbal Presentation
Designated Speaker: Terry Fulton, Senior Project Engineer, Planning and Zero Waste Implementation, Solid Waste Services

4.4 Solid Waste and Recycling Industry Advisory Committee – 2023 Draft Work Plan
Verbal Presentation
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.5 Zero Waste Committee Updates
4.5.1 2023 - 2027 Financial Plan – Solid Waste Services

Report
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.5.2 GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 361, October 6, 2022
Report
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.6 Metro Vancouver Updates

4.6.1 Regional Waste Flows

5. NEXT STEPS

5.1 2022 IAC Member Biographies

6. OTHER BUSINESS

INFORMATION ITEMS (Attachments)

- **Amendment to Hazardous Waste Regulation Registration for Asbestos Disposal – Vancouver Landfill**
- **September 7 Workshop Survey Results**
- **Proposed 2023 IAC Meeting Schedule**

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:
Abrams, Izzie - Waste Connections of Canada
Boora, Binder - BC Earth Exchange & Saskay Earth Exchange Ltd.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Cheung, Mannie - Product Care Association of BC
Collins, James - Tymac Launch Service Ltd.
Gill, Robby - Cloverdale Fuel Ltd.
Hankins, Grant - Waste Management Association of BC
Johnson, Gord - Empower Environmental/ Northstar
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
Moucachen, Maya - Merlin Plastics
Peers, Nicole - Queensborough Landing Recycling Depot
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Prasad, Shad - Cascade Recovery +
Segal, Liliana - Green Chair Recycling
Shore, Cynthia - Republic Services
Stefenelli, Nicole - Urban Impact Recycling Inc.
Wollen, Sebastian van - Blue Planet Recycling

Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Atkinson, Brooke - Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Evanetz, Sarah – Metro Vancouver
Henderson, Paul – Metro Vancouver
McDermott, John – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE
MEETING #6

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting #6 held at 1:00 p.m. on Tuesday, November 1, 2022, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Mary Polak, Waste Connections of Canada (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Lori Bryan, Waste Management Assoc. of BC
Ken Carrusca, Cement Association of Canada
Mannie Cheung, Product Care Assoc. of BC
James Collins, Tymac Launch Service Ltd.
Jeremy Crawford, Waste Control Services
Grant Hankins, Waste Management Association of BC
Christian Dietrich, Ecowaste Industries
Gord Johnson, Empower Environmental/Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Group
Aiden Kiani, Lock-Block Ltd.
Matthew McAra, GFL
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Achilles Mallari, Sierra Waste Services Ltd.
Ralph McRae, Revolution
David Millman, Waste Management Association of Canada
Maya Moucachen, Merlin Plastics
Nicole Peers, Queensborough Landing Recycling Depot
Shad Prasad, Cascade Recovery+
Liliana Segal, Green Chair Recycling
Cynthia Shore, Republic Services
Nicole Stefenelli, Urban Impact Recycling
Sebastian van Wollen, Blue Planet Recycling
Michael Zarbl, Major Appliances Recycling Roundtable

MEMBERS ABSENT

Binder Boora, BC Earth Exchange
Robbie Gill, Cloverdale Fuel Ltd.
Terryl Plotnikoff, Canadian Mattress Recycling Inc.

METRO VANCOUVER STAFF:
Brooke Atkinson, Communications and Education Coordinator Strategy and Stakeholder Relations, Solid Waste Services
Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, Solid Waste Services
Terry Fulton, Senior Project Engineer, Zero Waste Implementation, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services
Nanette van Doorn, Strategy and Stakeholder Relations
Chris Allan, Director, Solid Waste Operations, Solid Waste Services
Chris Underwood, Division Manager, Solid Waste Planning, Solid Waste Services
Allen Jensen, Senior Project Engineer, Zero Waste Implementation, Solid Waste Services
Lynne Vidler, Lead Senior Engineer, Solid Waste Operations and Planning, Solid Waste Services

CITY OF VANCOUVER STAFF:
Jon McDermott, Manager, Solid Waste Strategic Services Branch
Mike Budzik, Senior Engineer, Environmental Programs Transfer & Landfill Operations, City of Vancouver

GUESTS:
Klaryssa Lawrie, Associate, Dillon Consulting

PREPARATION OF MINUTES: Kelsey Guenette, Raincoast Ventures Ltd.

AGENDA:

Solid Waste and Recycling Industry Advisory Committee Meeting

November 1, 2022
1:00 PM – 3:00 PM
Zoom

Agenda

1. Agenda
   1.1. November 1, 2022 Meeting Agenda
2. Minutes
   2.1. September 7, 2022 Meeting Minutes
3. 2023 Industry Advisory Committee Meeting Format
4. Reports
   4.1. September 7, 2022 Workshop Summary and Follow-Up
   4.2. Disposal Ban Program Review
   4.3. Waste Reduction and Recycling Data – Follow-Up
   4.4. Solid Waste and Recycling Industry Advisory Committee – 2023 Draft Work Plan

4.5. Zero Waste Committee Updates
    4.5.1. 2023-2027 Financial Plan – Solid Waste Services
    4.5.2. GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 361, October 6, 2022
4.6. Metro Vancouver Updates
    4.6.1. Regional Waste Flows

5. Next Steps
    5.1. 2022 IAC Member Biographies

6. Other Business

    6.1. Next meeting is on January 10, 2023

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

MEETING MINUTES

Mary Polak, Co-Chair, called the meeting to order at 1:02 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) meeting.

1. AGENDA

1.1 November 1, 2022 Meeting Agenda

Co-Chair Polak called for additions or changes to the agenda. No additions or changes were identified.

2. MINUTES

2.1 September 7, 2022 Meeting Minutes

Co-Chair Polak called for errors or omissions in the minutes of the September 7, 2022 IAC meeting. No errors or omissions were identified by IAC members.

3. 2023 INDUSTRY ADVISORY COMMITTEE MEETING FORMAT

Mary Polak, Co-Chair, noted that responses to a survey circulated to the IAC by Metro Vancouver staff indicated a preference to hold workshops in-person with no hybrid option. Two workshops tentatively scheduled for 2023 would be in-person while regular meetings would continue to be held on Zoom.

Additionally, it was noted that a relatively small number of responses to the survey were received, and IAC members were requested to provide their feedback to the surveys to ensure a general consensus is heard.

4. REPORTS

4.1 September 7, 2022 Workshop Summary and Follow-Up

Paul Henderson, General Manager, Solid Waste Services, reviewed a summary from the September 7, 2022 Workshop, and highlighted feedback received on the disposal ban program, recycling data, circular economy, and residuals management. Next steps include an update of data presentation in the annual report, consultant review of disposal ban program, and determining potential surcharges at different organics disposal ban thresholds.

During discussion, the following questions/comments and *responses* were noted:

- An IAC member noted that they did not expect removal of concrete recycling from recycling statistics to become part of the summary of the workshop as that perspective was only expressed by one individual, and concrete is a critical construction material.
    - *Staff noted that Metro Vancouver's intent is to continue to report concrete recycling as part of the data, and that work would focus on increasing transparency of the data and highlighting opportunities for recycling of other materials such as wood.*

4.2 Disposal Ban Program Review

Klaryssa Lawrie, Associate, Dillon Consulting, gave a presentation on the Disposal Ban Program review, noting that the purpose of the review is to focus on efficiencies of the inspection program and application of surcharges. The project scope includes review of the inspection process and visual audit process and will include interviews with inspectors and observations at nine facilities to develop an understanding of the amount of banned materials within surcharged loads.

Additionally, the General Manager of Solid Waste Services invited interested IAC members to contact Metro Vancouver to be interviewed as part of the review. Metro Vancouver's facility operating contractors will also be interviewed as part of the processes.

During discussion, the following questions/comments and *responses* were noted:

- Will a surcharged load be audited to determine the actual percentage of banned material in the load?
  - *Yes, we are trying to connect visual inspections to actual waste composition.*
- What will be the process for a surcharged load tagged as contaminated? How will it be pulled out and separated at the Waste-to-Energy Facility?
  - *The goal of the review is to be representative; it would be very challenging to do composition analysis of material once it is in the Waste-to-Energy Facility pit, but the approach should apply across the system. Inspection processes at the Waste-to-Energy Facility will be reviewed as part of the consultant's work.*
- This review could be taken a step further to work with commercial haulers to target the customers directly, rather than fining the haulers.
  - *That task is outside of the scope of this review, but staff will review options to engage generators.*
- Will the packaging of the waste be taken into consideration? Soft plastics, paper bags, etc. are recyclable, sometimes haulers have been surcharged in the past for having garbage packaged in paper bags.
  - *Given the visual inspection process, if there are many paper bags in a load, the inspector may determine the amount to be over 5%, even if the bags are full of non-recyclable material. This study should help to determine if this is a gap in the current processes.*
  - *The types of waste that the question is referring to are very specific and Metro Vancouver would be happy to include you in the consultant interview to understand how that waste type is best considered in the disposal ban program.*

4.3 Waste Reduction and Recycling Data – Follow-Up

Terry Fulton, Senior Project Engineer, Planning and Zero Waste Implementation, Solid Waste Services, gave a presentation on waste reduction and recycling data, highlighting the process for development of content for the Recycling and Solid Waste Management Annual Report. Proposed updates based on IAC feedback include clear delineation of data in terms of tonnage, and providing two recycling rates for the construction and demolition sector: one for all construction and demolition material and one for materials other than concrete and asphalt. This approach will help

highlight opportunities for increasing recycling of other construction and demolition materials such as wood.

During discussion, the following questions/comments and *responses* were noted:

- Is Landfill cover counted as recycling?
  - *Landfill cover materials are not counted as recycling. On a follow-up question: The exception would be compost used as part of final cover. The compost would have been counted as recycling at the composting facility producing it.*
- Does that include materials burned for fuels?
  - *Materials used as alternative fuel offsetting fossil fuels count as recycling. On a follow-up question staff indicated that their understanding was this would include plastic from either multi-material recycling sources or construction and demolition sources, but would confirm. Subsequent analysis concluded that plastics used as fuel are included in recycling data.*
- A member noted that he believes that construction and demolition material recycling statistics are overstated, and that Metro Vancouver's approach to what information is included is not accurate or fulsome. For instance, the member's position is that alternative fuel should not be counted as recycling because that is inconsistent with the waste management hierarchy.
- How accurate is the data currently collected?
  - *Currently under Bylaw 181, the processors of concrete and asphalt are not required to be licensed or to report to Metro Vancouver; therefore, we have to request that they voluntarily provide data. Licensed facilities are required to report out on data, which is passed to Metro Vancouver. As part of this process, we will specifically include all assumptions in the report to explain our sources of data and what is counted and what is not to continue to enhance transparency.*
- What is the reliability of data (i.e., 100%, 90%)?
  - *Because of the many data sources including unlicensed facilities, it is difficult to be specific, but the data improves every year.*
- A member suggested that including concrete and asphalt in the data artificially inflates recycling data, and that the recycling data presented included residuals from recycling facilities inflating the calculations
  - *Metro Vancouver has among the most comprehensive recycling report of any jurisdiction in North America; An important aspect is that all data is available for anyone to perform their own calculations. For recycling facilities within Metro Vancouver, residuals are not included in recycling statistics.*

4.4 Solid Waste and Recycling Industry Advisory Committee – 2023 Draft Work Plan

Co-Chair Polak reviewed the 2023 IAC Draft Work Plan and advised that an email would be circulated to IAC members to gather feedback on the Work Plan prior to November 30, 2022. The Work Plan would be presented to the IAC for approval at the January 2023 meeting.

Action: *It was requested that the topic of contextualizing data and reviewing other jurisdictions' reporting recycling statistics and methodologies be added to the 2023 Draft IAC Work Plan.*

4.5 Zero Waste Committee Updates

4.5.1 2023-2027 Financial Plan – Solid Waste Services

The 2023-2027 Financial Plan – Solid Waste Services and the GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 361 were provided as information items to the IAC. The General Manager of Solid Waste Services noted that both reports were on a recent agenda of the Zero Waste Committee. Additionally, IAC members were advised that a $6 increase per tonne across all tipping fees would be effective January 1, 2023; previous projections had predicted a $7 increase.

During discussion, the following questions/comments and *responses* were noted:

- What is the thought process behind decreasing flows? The report notes that flows are budgeted to decrease in 2023 to 915,000 tonnes.
  - *The expenditure and revenue budget is built based on expected waste flows and we try to be conservative because the system needs to be cost neutral over the course of the year. We have seen increases in waste quantities this year compared to the last two years and there is high volatility with respect to the economy and its impacts on the amount of waste generated. Our approach is to project waste quantities conservatively so that a balanced budget can be achieved independent of short-term economic changes.*
- Is there a blackline comparison version of the tipping fee bylaw amendment?
  - *The blackline comparison is included in the report.*

4.5.2 GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 361, October 6, 2022

This item was discussed together with Item 4.5.1.

4.6 Metro Vancouver Updates

4.6.1 Regional Waste Flows

Charts on regional waste flows that offer comparisons between 2021 and 2022 for Metro Vancouver and City of Vancouver systems were included in the agenda for information.

5. NEXT STEPS

5.1 2022 IAC Member Biographies

Brooke Atkinson, Communications and Education Coordinator, requested IAC members who had not yet submitted biographies to email a 100–150-word biography including a high-resolution headshot.

6. OTHER BUSINESS

Co-Chair Polak reviewed the proposed 2023 meeting schedule and advised that the next meeting was proposed to occur on January 10, 2023.

7. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:22 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, January 10, 2023
2:00 p.m. – 4:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 January 10, 2023 Meeting Agenda

2. MINUTES

2.1 November 1, 2022 Meeting Minutes

3. Draft 2023 IAC Work Plan: Voting Item

4. REPORTS

4.1 Zero Waste Committee Membership List
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 Draft Updated Terms of Reference (draft to be voted on at February meeting)
Presentation
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. NEXT STEPS

5.1 2023 IAC Membership Call for Submissions – February 2023
Verbal Update
Designated Speaker: Director Craig Hodge, Industry Advisory Committee Co-Chair

6. OTHER BUSINESS

6.1 2023 IAC Action Tracker and Summarize Meeting Action Items – New Standing Item
Verbal Update
Designated Speaker: Brooke Atkinson, Engagement Specialist, Solid Waste Services

6.2 IAC 2022 Membership Biographies
Verbal Update
Designated Speaker: Brooke Atkinson, Engagement Specialist, Solid Waste Services

7. INFORMATION ITEMS

7.1 2023 IAC Meeting Schedule

7.2 Regional Waste Flows

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:

Abrams, Izzie - Waste Connections of Canada
Boora, Binder - BC Earth Exchange & Saskay Earth Exchange Ltd.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Cheung, Mannie - Product Care Association of BC
Collins, James - Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Gill, Robby - Cloverdale Fuel Ltd.
Hankins, Grant - Waste Management Association of BC
Johnson, Gord - Empower Environmental/ Northstar
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Peers, Nicole - Queensborough Landing Recycling Depot
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Prasad, Shad - Cascade Recovery +
Segal, Liliana - Green Chair Recycling
Shore, Cynthia - Republic Services
Stefenelli, Nicole - Urban Impact Recycling Inc.
Wollen, Sebastian van - Blue Planet Recycling
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Atkinson, Brooke - Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Evanetz, Sarah – Metro Vancouver
Henderson, Paul – Metro Vancouver
McDermott, John – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE
MEETING #7

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting #7 held at 2:00 p.m. on Tuesday, January 10, 2023, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Mary Polak, Waste Connections of Canada (Co-Chair)
Lori Bryan, Waste Management Assoc. of BC
Ken Carrusca, Cement Association of Canada
Mannie Cheung, Product Care Assoc. of BC
James Collins, Tymac Launch Service Ltd.
Jeremy Crawford, Waste Control Services
Christian Dietrich, Ecowaste Industries
Gord Johnson, Empower Environmental/Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Group
Matthew McAra, GFL
Ralph McRae, Revolution
David Millman, Waste Management Association of Canada
Maya Moucachen, Merlin Plastics
Shad Prasad, Cascade Recovery+
Cynthia Shore, Republic Services
Nicole Stefenelli, Urban Impact Recycling
Sebastien van Wollen, Blue Planet Recycling

MEMBERS ABSENT

Izzie Abrams, Waste Connections of Canada
Binder Boora, BC Earth Exchange
Robby Gill, Cloverdale Fuel Ltd.
Grant Hankins, Waste Management Association of BC
Aiden Kiani, Lock-Block Ltd.
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Achilles Mallari, Sierra Waste Services Ltd.
Nicole Peers, Queensborough Landing Recycling Depot
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Liliana Segal, Green Chair Recycling
Michael Zarbl, Major Appliances Recycling Roundtable

METRO VANCOUVER STAFF:

Brooke Atkinson, Communications and Education Coordinator, Strategy and Stakeholder Relations, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services
Nanette van Doorn, Strategy and Stakeholder Relations, Solid Waste Services

CITY OF VANCOUVER STAFF:

Lynn Belanger, Manager, Transfer and Landfill Operations Branch

PREPARATION OF MINUTES: Kelsey Guenette, Raincoast Ventures Ltd.

AGENDA:

Solid Waste and Recycling Industry Advisory Committee Meeting

January 10, 2023
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
   1.1. January 10, 2023 Meeting Agenda
2. Minutes
   2.1. November 1, 2022 Meeting Minutes
3. Draft 2023 Industry Advisory Committee Work Plan: Voting Item
4. Reports
   4.1. Zero Waste Committee Membership List
   4.2. Draft Updates Terms of Reference
5. Next Steps
   5.1. 2023 IAC Membership Call for Submissions – February 2023
6. Other Business
   6.1. 2023 IAC Action Tracker and Summarize Meeting Action Items
   6.2. IAC 2022 Membership Biographies
7. Information Items
   7.1. 2023 IAC Meeting Schedule
   7.2. Regional Waste Flows

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

Craig Hodge, Co-Chair, called the meeting to order at 2:02 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) meeting.

1. AGENDA

1.1 January 10, 2023 Meeting Agenda

Co-Chair Hodge called for additions or changes to the agenda. There was one addition of Item 7.3, City of Vancouver's Project Green Light Initiative.

2. MINUTES

2.1 November 1, 2022 Meeting Minutes

Co-Chair Hodge called for errors or omissions in the minutes of the November 1, 2022 IAC meeting. No errors or omissions were identified by IAC members.

3. DRAFT 2023 IAC WORK PLAN: VOTING ITEM

Paul Henderson, General Manager, Solid Waste Services, reviewed the Draft 2023 IAC Work Plan, circulated with meeting materials. As requested by IAC members, the jurisdictional scan of recycling statistics and methodologies had been added to the Work Plan.

Co-Chair Hodge asked IAC members to move and second beginning the voting process on the Draft 2023 IAC Work Plan.

It was MOVED (Lori Bryan) and SECONDED (Cynthia Shore)

Co-Chair Hodge asked IAC members if they had any proposed amendments to the draft 2023 IAC work plan. There were no amendments proposed.

Co-Chair Hodge asked IAC members to raise their hand to vote to approve the draft 2023 IAC work plan. Members voted in favour that the Metro Vancouver Solid Waste and Recycling Industry Advisory Committee accept the draft 2023 IAC Work Plan as presented.

CARRIED

4. REPORTS

4.1 Zero Waste Committee Membership List

With reference to the 2023 Zero Waste Committee Membership list included with meeting materials, the General Manager of Solid Waste Services noted the new committee members. The first meeting is scheduled to occur on January 19, 2022.

4.2 Draft Updated Terms of Reference

The General Manager of Solid Waste Services reviewed the updated Draft IAC Terms of Reference, circulated with meeting materials, and noted that voting would occur at the February 2023 meeting. The following updates were proposed:

- Alternates to be allowed to participate in meetings subject to member providing written

notice in advance of the meeting

- Alternates required to provide conflict of interest statements if attending three or more meetings in a year
- Conflict of interest statements for all members posted on internet
- If agreed upon by both Co-Chairs, IAC meetings may be cancelled or added as appropriate
- IAC meetings in 2023 will be held online for members, except two workshops to be held in-person

5. NEXT STEPS

5.1 2023 IAC Membership Call for Submissions – February 2023

Co-Chair Hodge invited IAC members wishing to continue on the 2023 IAC to fill out a submissions form once it is posted on the IAC website. IAC members will be notified once the submission process has started.

6. OTHER BUSINESS

6.1 2023 IAC Action Tracker and Summarize Meeting Action Items

With reference to the 2023 IAC Committee Action Tracker, Brooke Atkinson, Engagement Specialist, Solid Waste Services, indicated that the summary would be included in agenda packages going forward. There were no action items noted coming out of this meeting.

6.2 IAC 2022 Membership Biographies

The Engagement Specialist for Solid Waste Services requested IAC members to submit membership biographies by January 17, 2023 and reviewed the list of biographies currently posted on the IAC website.

Action: *It was requested that IAC members submit membership biographies by January 17, 2023.*

7. INFORMATION ITEMS

7.1 2023 IAC Meeting Schedule

Co-Chair Hodge reviewed the proposed 2023 meeting schedule and advised that the next meeting is scheduled to occur on February 7, 2023.

7.2 Regional Waste Flows

Regional Waste Flow charts were provided for information in the agenda package.

7.3 City of Vancouver's Project Green Light Initiative

Lynn Belanger, Manager, Transfer and Landfill Operations Branch, City of Vancouver, informed that the City of Vancouver is collaborating with the Vancouver Economic Commission to transform a receiving yard into a zero-waste demonstration site. Through an application process, selective innovators will be invited to provide demonstrations at the site

for a period of 18-24 months. The targeted market call closes on January 31, 2023 at 11:59 p.m.

8. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:30 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, February 7, 2023
2:00 p.m. – 4:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 February 7, 2023 Meeting Agenda

2. MINUTES

2.1 January 10, 2023 Meeting Minutes

3. Draft Updated IAC Terms of Reference: Voting Item

4. REPORTS

4.1 Jurisdictional Scan of Recycling Statistics and Methodologies
Presentation
Designated Speaker: Terry Fulton, Senior Project Engineer, Zero Waste Implementation, Solid Waste Services

4.2 Solid Waste Management Plan Engagement: Vision and Guiding Principles
Presentation
Designated Speaker: Stephanie Liu, Senior Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services

5. NEXT STEPS

5.1 2023 IAC Membership Call for Submissions Reminder – Submission date February 17, 2023
Verbal Update
Designated Speaker: Mary Polak, Industry Advisory Committee Co-Chair

5.2 IAC Solid Waste Management Plan Engagement: Vision and Guiding Principles – April 4, 2023 Workshop In-Person
Verbal Update
Designated Speaker: Mary Polak, Industry Advisory Committee Co-Chair

6. OTHER BUSINESS

6.1 2023 IAC Action Tracker and Summarize Meeting Action Items

Verbal Update
Designated Speaker: Brooke Atkinson, Engagement Specialist, Solid Waste Services

6.2 Disposal Ban Program Review – Industry Interviews

Verbal Update
Designated Speaker: Lynne Vidler, Lead Senior Engineer, Operations and Planning, Solid Waste Services

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 Industry Advisory Committee 2023 Work Plan

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:

Abrams, Izzie - Waste Connections of Canada
Boora, Binder - BC Earth Exchange & Saskay Earth Exchange Ltd.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Cheung, Mannie - Product Care Association of BC
Collins, James - Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Gill, Robby - Cloverdale Fuel Ltd.
Hankins, Grant - Waste Management Association of BC
Johnson, Gord - Empower Environmental/ Northstar
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Peers, Nicole - Queensborough Landing Recycling Depot
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Prasad, Shad - Cascade Recovery +
Segal, Liliana - Green Chair Recycling
Shore, Cynthia - Republic Services
Stefenelli, Nicole - Urban Impact Recycling Inc.
Wollen, Sebastian van - Blue Planet Recycling
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Atkinson, Brooke - Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Evanetz, Sarah – Metro Vancouver
Henderson, Paul – Metro Vancouver
McDermott, John – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE
MEETING #8

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting #8 held at 2:00 p.m. on Tuesday, February 7, 2023, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Mary Polak, Waste Connections of Canada (Co-Chair)
Lori Bryan, Waste Management Assoc. of BC
Ken Carrusca, Cement Association of Canada
James Collins, Tymac Launch Service Ltd.
Jeremy Crawford, Waste Control Services
Grant Hankins, Waste Management Association of BC
Gord Johnson, Empower Environmental/Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Group
Aiden Kiani, Lock-Block Ltd.
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Achilles Mallari, Sierra Waste Services Ltd.
Ralph McRae, Revolution
David Millman, Waste Management Association of Canada
Maya Moucachen, Merlin Plastics
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Cynthia Shore, Republic Services
Michael Zarbl, Major Appliances Recycling Roundtable

MEMBERS ABSENT

Izzie Abrams, Waste Connections of Canada
Binder Boora, BC Earth Exchange
Mannie Cheung, Product Care Assoc. of BC
Christian Dietrich, Ecowaste Industries
Robby Gill, Cloverdale Fuel Ltd.
Matthew McAra, GFL
Nicole Peers, Queensborough Landing Recycling Depot
Shad Prasad, Cascade Recovery+
Liliana Segal, Green Chair Recycling
Nicole Stefenelli, Urban Impact Recycling
Sebastian van Wollen, Blue Planet Recycling

METRO VANCOUVER STAFF:

Brooke Atkinson, Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services
Nanette van Doorn, Strategy and Stakeholder Relations
Stephanie Liu, Senior Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services
Chris Underwood, Division Manager, Solid Waste Planning, Solid Waste Services
Chris Allan, Director, Solid Waste Operations, Solid Waste Services
Sandy Young, Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services
Jessica Yamamoto, Assistant Project Engineer, Zero Waste Implementation, Solid Waste Services
Terry Fulton, Senior Project Engineer, Zero Waste Implementation, Solid Waste Services
Karen Storry, Senior Engineer, Zero Waste Implementation, Solid Waste Services

CITY OF VANCOUVER STAFF:
Lynn Belanger, Manager, Transfer and Landfill Operations Branch, Engineering Services

PREPARATION OF MINUTES: Megan Krempel, Raincoast Ventures Ltd.

AGENDA:

Solid Waste and Recycling Industry Advisory Committee Meeting

February 7, 2023
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
   1.1. February 7, 2023 Meeting Agenda

2. Minutes
   2.1. January 10, 2023 Meeting Minutes

3. Draft Updated IAC Terms of Reference: Voting Item

4. Reports
   4.1. Jurisdictional Scan of Recycling Statistics and Methodologies
   4.2. Solid Waste Management Plan Engagement: Vision and Guiding Principles

5. Next Steps
   5.1. 2023 IAC Membership Call for Submissions Reminder – Submission date February 17, 2023
   5.2. IAC Solid Waste Management Plan Engagement – Vision and Guiding Principles – April 4, 2023 Workshop In-Person

6. Other Business
   6.1. 2023 IAC Action Tracker and Summarize Meeting Action Items
   6.2. Disposal Ban Program Review – Industry Interviews

7. Information Items
   7.1. Regional Waste Flows
   7.2. Industry Advisory Committee 2023 Work Plan

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

Mary Polak, Co-Chair, called the meeting to order at 2:00 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee (IAC) meeting.

1. AGENDA

1.1 February 7, 2023 Meeting Agenda

Co-Chair Polak called for additions or changes to the agenda. No additions were put forward.

2. MINUTES

2.1 January 10, 2023 Meeting Minutes

Co-Chair Polak called for errors or omissions in the minutes of the January 10, 2023 IAC meeting. No errors or omissions were identified by IAC members.

3. DRAFT UPDATED IAC TERMS OF REFERENCE: VOTING ITEM

Co-Chair Polak referenced the previously circulated draft Updated IAC Terms of Reference which included tracked minor changes. Quorum was confirmed.

It was MOVED (Dave Millman) and SECONDED (Cynthia Shore)

That the Metro Vancouver Solid Waste and Recycling Industry Advisory Committee accept the draft Updated IAC Terms of Reference as presented.

CARRIED

4. REPORTS

Agenda Varied

The meeting agenda varied to address Item 4.2 at this time.

4.2 Solid Waste Management Plan Engagement: Vision and Guiding Principles

Stephanie Liu, Senior Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services, Metro Vancouver (MV), reviewed a presentation titled, "Solid Waste Management Plan Update – Vision and Guiding Principles Engagement" and provided an update on the timeline and approach to engaging on the vision and guiding principles for the updated plan.

Engagement will involve a series of meetings and workshops, including an IAC Workshop on April 4, 2023. Other engagement meetings and workshops will be held with governments including First Nations and local jurisdictions, advisory committees, and the public. An engagement report will be prepared, summarizing feedback and its application, where possible, in the development of the plan's vision and guiding principles.

Discussion ensued on how the work would be integrated with the work of the National Zero Waste Council on waste reduction and reuse. It was noted the work of the National Zero Waste Council was primarily national in scope while the IAC's work focused on the local level.

Action Item: *Metro Vancouver staff will invite the National Zero Waste Council to present to the IAC on how their work is incorporated into each phase of the solid waste management plan process*

4.1 Jurisdictional Scan of Recycling Statistics and Methodologies

Terry Fulton, Senior Project Engineer, Zero Waste Implementation, Solid Waste Services, shared the results of a jurisdictional scan of recycling statistics and methodologies and reviewed:

- Methodologies for calculating recycling rates
- Jurisdictional scan methodology
- Jurisdictional comparisons including on recycling rates, materials included, and processing methods.

Twelve jurisdictions in North America were studied and the jurisdictions of the Regional District of Nanaimo, City of Seattle, and Metro Oregon (Portland Metropolitan Area) were analyzed in more detail due to their similarities with Metro Vancouver.

Conclusions from the jurisdictional scan indicated:

- There was no standard methodology or terminology amongst the jurisdictions
- There was a lack of published detail on calculations and assumptions
- Jurisdictions that publicly report data typically reported up-to-date data (2020 or later)
- Many jurisdictions reported only on the single-family residential sector and did not include multi-family, commercial/institutional or construction and demolition sectors.

Performance metrics will be studied and considered to inform the update to the solid waste management plan.

During ensuing discussion, comments were offered related to:

- Opportunities to provide comment on the review of solid waste metrics and methodologies
- Opportunity for Metro Vancouver to exceed what is being done in other jurisdictions to maximize benefit of the data for decision making purposes
- The goal to ensure plans and targets are on track and there is accountability to reaching those targets
- An auditing standard and protocol should be considered.

Action Item: *Metro Vancouver will report back on scope of work and findings of a review of existing and future performance metrics including opportunities to improve tracking progress toward waste reduction and recycling goals.*

5. NEXT STEPS

5.1 2023 IAC Membership Call for Submissions Reminder – Submission Date February 17, 2023

Co-Chair Polak reminded IAC members wishing to continue participating on the IAC to complete the application process for participating in the 2023 IAC prior to February 17, 2023. Metro Vancouver staff offered support to members needing assistance with their submission.

5.2 IAC Solid Waste Management Plan Engagement – Vision and Guiding Principles – April 4, 2023, Workshop In-Person

Co-Chair Polak advised the April 4, 2023 workshop would be an in-person event with no option to attend via videoconference. Details and event location would be shared with IAC members once finalized. It was noted that only confirmed 2023 IAC members would be able to participate in the workshop. The workshop will be open to the public to observe on the same basis as all other IAC meetings.

6. OTHER BUSINESS

6.1 2023 IAC Action Tracker and Summarize Meeting Action Items

Brooke Atkinson, Engagement Specialist, Solid Waste Services, reviewed the 2023 IAC Committee Action Tracker and confirmed the completion of two actions related to the Jurisdictional Scan on Recycling Statistics and Methodologies and the IAC voting on the updated Terms of Reference.

6.2 Disposal Ban Program Review – Industry Interviews

Paul Henderson, General Manager, Solid Waste Services, encouraged IAC members to consider participating in industry interviews on the Disposal Ban Program Review. A request for interest would be sent to IAC members after the meeting and members should indicate that they are interested in being interviewed by February 15, 2023.

IAC members were additionally advised of:

- The next Zero Waste Committee on February 9, 2023, at 1:00 p.m.; meetings are open to the public and are livestreamed
- The publication of the 2021 Solid Waste and Recycling Annual Report and adjustments to the calculation methodology and assumptions
- A procurement report on award of contingency disposal contracts

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 Industry Advisory Committee 2023 Work Plan

8. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:46 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, March 7, 2023
2:00 p.m. – 4:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 March 7, 2023 Meeting Agenda

2. MINUTES

2.1 February 7, 2023 Meeting Minutes

3. 2023 Committee Member Introductions

4. REPORTS

4.1 2021 Solid Waste and Recycling Annual Report
Presentation
Designated Speaker: Terry Fulton, Senior Project Engineer, Zero Waste Implementation, Solid Waste Services

4.2 Regional Solid Waste System Assessment Study
Presentation
Designated Speaker: Allen Jensen, Senior Project Engineer, Zero Waste Implementation, Solid Waste Services

5. NEXT STEPS

5.1 IAC Solid Waste Management Plan Engagement: Vision and Guiding Principles – April 4, 2023 Workshop In-Person
Verbal Update
Designated Speaker: Director Craig Hodge, Industry Advisory Committee Co-Chair

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

6.2 2023 IAC Action Tracker and Summarize Meeting Action Items
Verbal Update
Designated Speaker: Brooke Atkinson, Engagement Specialist, Solid Waste Services

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 Industry Advisory Committee 2023 Work Plan

7.3 Updated Industry Advisory Committee Terms of Reference – February 2023

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:

Abrams, Izzie - Waste Connections of Canada
Ahmadi, Taufiq – Maple Leaf Disposal
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Collins, James - Tymac Launch Service Ltd.
Coutts, Cindy – Encorp Pacific Canada
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Hankins, Grant - Waste Management Association of BC
Johnson, Gord - Empower Environmental/ Northstar
JansenVandoorn, Josh - Anaconda Systems Ltd.
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Prasad, Shad - Cascade Recovery +
Shore, Cynthia - Republic Services
Sigmund, Sandy – Encorp Pacific Canada
Stefenelli, Nicole - Urban Impact Recycling Inc.
Victor, Nicole - Covanta
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Atkinson, Brooke - Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Henderson, Paul – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE
MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, March 7, 2023, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Izzie Abrams, Waste Connections
Taufiq Ahmadi, Maple Leaf Disposal
Edwin Berkhof, Evergen Infrastructure
Lori Bryan, Waste Management Association of BC
Ken Carrusca, Cement Association of Canada
James Collins, Tymac Launch Service
Jeremy Crawford, Waste Control Services
Grant Hankins, Mini Bins
Josh Jansen Vandoorn, Anaconda Systems Ltd.
Gold Johnson, Empire Environmental/Northstar
Jamie Kaminksi, HSR Zero Waste
Aiden Kiani, Lock-Block Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Mike Lannin, Super Save Group
Jacqueline Lotzkar, Pacific Metals Recycling
Achilles Mallari, Sierra Waste Services
Matthew McAra, GFL Environmental Inc.
David Millman, Waste Management of Canada
Maya Moucachen, Merlin Plastics
Ralph McRae, Revolution
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Shad Prasad, Cascade Recovery +
Sandy Sigmund, Encorp Pacific Canada
Cynthia Shore, Republic Services
Nicole Stefenelli, Urban Impact Recycling
Nicole Victor, Covanta
Michael Zarbl, Major Appliances Recycling Roundtable

OBSERVERS

Christian Dietrich – Ecowaste Industries

MEMBERS ABSENT

Mary Polak, Waste Connections of Canada (Co-Chair)
Sean Kawakami, Convertus Canada Ltd.

METRO VANCOUVER STAFF:

Brooke Atkinson, Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Nanette van Doorn, Strategy and Stakeholder Relations
Chris Allan, Director, Solid Waste Operations, Solid Waste Services
Chris Underwood, Division Manager, Solid Waste Planning, Solid Waste Services
Allen Jensen, Senior Project Engineer, Solid Waste Planning, Solid Waste Services
Lynne Vidler, Lead Senior Engineer, Solid Waste Operations, Solid Waste Services

Terry Fulton, Senior Project Engineer, Solid Waste Planning, Solid Waste Services

CITY OF VANCOUVER STAFF:
Lynn Belanger, Manager, Transfer and Landfill Operations Branch

PREPARATION OF MINUTES: Justine Wiklo, Raincoast Ventures Ltd.

AGENDA:

Solid Waste and Recycling Industry Advisory Committee Meeting

March 07, 2023
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
   1.1. March 7, 2023 Meeting Agenda
2. Minutes
   2.1. February 7, 2023 Meeting Minutes
3. Committee Member Introductions
4. Reports
   4.1. 2021 Solid Waste and Recycling Annual Report
   4.2. Regional Solid Waste System Assessment Study
5. Next Steps
   5.1. IAC Solid Waste Management Plan Engagement: Vision and Guiding Principles – April 4, 2023 Workshop In-Person
6. Other Business
   6.1. Zero Waste Committee Updates
   6.2. 2023 IAC Action Tracker and Summarize Meeting Action Items
7. Information Items
   7.1. Regional Waste Flows
   7.2. Industry Advisory Committee 2023 Work Plan
   7.3. Updated Industry Advisory Committee Terms of Reference – February 2023

References:

1) IAC 2023 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/industry_advisory_committee_membership_list.pdf

2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

Craig Hodge, Co-Chair, called the meeting to order at 2:02 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) meeting.

All members must file a written statement regarding conflicts with the relationship with Metro Vancouver. Any member who has not submitted a statement will not be able to participate and will be referred to the live stream as an observer.

1. AGENDA

1.1 March 7, 2023 Meeting Agenda

2. MINUTES

2.1 March 7, 2023 Meeting Minutes

Co-Chair Hodge called for errors or omissions in the minutes of the March 7, 2023, IAC meeting. No errors or omissions were identified by IAC members.

It was noted that Christian Dietrich was moved to the live stream as an observer because he had not yet submitted a conflict statement.

3. 2023 COMMITTEE MEMBER INTRODUCTIONS

Co-Chair Hodge facilitated a round table of member introductions.

4. REPORTS

4.1 2021 Solid Waste and Recycling Annual Report

Terry Fulton, P.Eng., Senior Project Engineer, Solid Waste Services, provided an overview of the 2021 Solid Waste and Recycling Statistics. It was noted that the report is available online. Highlights from the report include:

- Detailed methodology of data collection
- Key assumptions and data sources
- There is a target rate of waste reduction of 10%, and a recycling target of 80%
- The 2021 recycling rate is at 65%
- There needs to be a greater focus on waste reduction in general
- From 2020-2021, there is a noted shift to a higher rate of residential recycling and waste, while the commercial sector saw a decrease
- This increase can be attributed to the pandemic during which much of the workforce worked from home.

During discussion, the following was discussed:

- Questions regarding a report on contingency disposal contracts that was part of the February Zero Waste Committee agenda; Questions include price per tonne for the contracts, quantities contracted for, how the price per tonne compared to the

regional tipping fee.

- Contracts are based on bids submitted through a competitive process
- The average cost of contingency disposal contracts is approximately $150 per tonne, based on a minimum 10,000 tonnes per year and up to 50,000 tonnes per year per contract. The average cost is approximately $150 per tonne. The total contract costs include inflation and contingency.
- The average tipping fee of roughly $135 per tonne, which accounts for Vancouver Landfill and Waste-to-Energy being less expensive than contingency disposal.

- A question was asked as to what the recycling rate would be if concrete and asphalt were removed from the calculations.
- The benefit of the Metro Vancouver approach to transparent reporting is that various calculations are possible because of the level of detail provided.
- Additionally, a question was asked as to where the calculation of the construction and demolition recycling rate without concrete could be found.
- Following the meeting, staff calculated the recycling rate without including concrete and asphalt. If that was the basis of recycling rate calculation, the recycling rate would be 49%.
- The construction & demolition recycling rate with and without concrete shown on pages 21-22 of the 2021 Annual Recycling and Solid Waste Management Summary
- A member noted that not all materials have the same impact of recycling the same amount of material. The example provided was the benefit of recycling a tonne of electronics compared to a tonne of concrete.
- A study was mentioned that is in the scoping phase to understand which metrics are most appropriate to help advance zero waste and circular economy initiatives. The scope will be brought back to the IAC for feedback.
- A member asked what the noted decline in waste generation following 2007 was likely caused by.
- The specific reason for the decline in waste is uncertain, but the timing corresponds to the significant economic impacts that occurred at that time.

4.2 Regional Solid Waste System Assessment Study

Allen Jensen, P.Eng, AScT, Senior Project Engineer, Solid Waste Planning, Solid Waste Services provided the background on the purpose and tasks associated with the Assessment of the Regional Solid Waste System project. The drive time analysis model was undertaken to show potential changes to the regional solid waste system to inform planning and decision making, based on customer travel times and distances. The model was developed using datasets from regional planning population, employment statistics, projections and land use categories at the traffic zone level, along with a traffic model using ArcMap/ArcGIS & Google Distance Matrix Advanced.

The presentation showed the differences in drive times, kilometres and hours driven and GHG implications compared to the existing baseline for the following scenarios:

- Small Loads Baseline Waste (Current System)
- Vancouver South Transfer Station Closure
- Vancouver Landfill Closure
- Baseline without Central Surrey Recycling and Waste Centre
- False Creek Flats Recycling and Waste Centre
- Barnet/Lansdowne Recycling and Waste Centre
- Langley Recycling and Waste Centre Options
- Commercial Hauler Loads Baseline (Current System)

5. NEXT STEPS

5.1 IAC Solid Waste Management Plan Engagement: Vision and Guiding Principles – April 4, 2023 Workshop In-Person

The upcoming workshop on the solid waste management plan engagement will take place in-person on April 4, 2023, from 12:00 p.m. to 4:00 p.m., at Metro Tower III in room 2809. Lunch will be provided. It was noted that there will be no options available for online attendance.

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates

The Agenda for March 16, 2023, is to be posted on March 9, 2023, and will include reports that may be of interest to the Industry Advisory Committee, including:

- Reporting on a jurisdictional scan of statistics and methodologies
- An update on single-use items.

It was noted that Metro Vancouver committee meetings would be held in the Metro Vancouver Committee Room, and that a livestream would not be available. Members of the public can observe the meeting from the Metro Vancouver Board Room.

6.2 2023 IAC Action Tracker and Summarize Meeting Action Items

It was noted that:

- The updated Terms of Reference is available to Committee members
- Metro Vancouver will invite members from the National Zero Waste Council to present on the work completed in Q3
- Report back on a scope of work and potential performance metrics on the jurisdictional scan of statistics and methodologies, is to be completed in Q2.

7. INFORMATION ITEMS

7.1 Regional Waste Flows

Regional Waste Flow charts were provided for information in the agenda package.

7.2 Industry Advisory Committee 2023 Work Plan

The IAC 2023 Work Plan was provided for information in the agenda package.

7.3 Updated Industry Advisory Committee Terms of Reference – February 2023

The IAC Terms of Reference were provided for information in the agenda package.

8. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:12 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, April 4, 2023
1:00 p.m. – 4:00 p.m.
In-Person Workshop
Metro Vancouver Head Office
4515 Central Boulevard, Burnaby, BC, V5H 0C6
Room 2809

A G E N D A

1. AGENDA

1.1 April 4, 2023 Meeting Agenda

2. MINUTES

2.1 March 7, 2023 Meeting Minutes

3. SOLID WASTE MANAGEMENT PLAN UPDATE VISION AND GUIDING PRINCIPLES WORKSHOP

4. REPORTS

4.1 Solid Waste and Recycling Industry Advisory Committee 2022 Achievements Draft Report to Zero Waste Committee
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. OTHER BUSINESS

5.1 Zero Waste Committee Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

6. INFORMATION ITEMS

6.1 Regional Waste Flows
March 2023 Regional Waste Flow Data will be included in the May 2023 Agenda

6.2 2023 IAC Action Tracker

6.3 Industry Advisory Committee 2023 Work Plan

6.4 Letter to Metro Vancouver Regarding Tracking and Reporting Diversion – Jamie Kaminski – March 8, 2023

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:

Abrams, Izzie - Waste Connections of Canada
Ahmadi, Taufiq – Maple Leaf Disposal
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Collins, James - Tymac Launch Service Ltd.
Coutts, Cindy – Encorp Pacific Canada
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Hankins, Grant - Waste Management Association of BC
Johnson, Gord - Empower Environmental/ Northstar
JansenVandoorn, Josh - Anaconda Systems Ltd.
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Prasad, Shad - Cascade Recovery +
Shore, Cynthia - Republic Services
Sigmund, Sandy – Encorp Pacific Canada
Stefenelli, Nicole - Urban Impact Recycling Inc.
Victor, Nicole - Covanta
Zarbl, Michael - Major Appliances Recycling Roundtable

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Henderson, Paul – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE
WORKSHOP

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Workshop held at 1:00 p.m. on Tuesday, April 4, 2023, at the Metro Vancouver Head Office, Conference Room 2809.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Mary Polak, Waste Connections of Canada (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Edwin Berkhof, EverGen Infrastructure Corp.
Lori Bryan, Waste Management Assoc. of BC
Ken Carrusca, Cement Assoc. of Canada
Jeremy Crawford, Waste Control Services
Grant Hankins, Waste Management Association of BC
Gord Johnson, Empower Environmental Solutions
Jamie Kaminski, HSR Zero Waste
Mike Lannin, Super Save Group
Achilles Mallari, Sierra Waste Services Ltd.
Ralph McRae, Revolution
David Millman, Waste Management Association of Canada
Maya Moucachen, Merlin Plastics
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Cynthia Shore, Republic Services
Sandy Sigmund, Encorp Pacific Canada
Josh JansenVandoorn, Anaconda Systems Ltd.
Michael Zarbl, Major Appliances Recycling Roundtable

MEMBERS ABSENT

Taufiq Ahmadi, Maple Leaf Disposal Ltd.
Christian Dietrich, Ecowaste Industries
Aiden Kiani, Lock-Block Ltd.
Sean Kawakami, Convertus Group
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Leanne Koehn, Ridge Meadows Recycling Soc.
Matthew McAra, GFL Environmental Inc.
Shad Prasad, Cascade Recovery+
Nicole Stefenelli, Urban Impact Recycling
Nicole Vector, Covanta

METRO VANCOUVER STAFF:

Chris Allan, Director, Solid Waste Operations, Solid Waste Services
Brooke Atkinson, Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Allen Jensen, Senior Project Engineer, Planning, Solid Waste Services
Stephanie Liu, Senior Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services
Mani Massah, Project Engineer, Planning, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services
Marcel Pitre, Division Manager, Policy and Facility Development, Solid Waste Services
Parul Sidhu, Assistant Project Engineer, Operations & Planning, Solid Waste Services
Karen Storry, Senior Engineer, Planning, Solid Waste Services
Chris Underwood, Division Manager, Planning, Solid Waste Services
Nanette van Doorn, Strategy and Stakeholder Relations
Adriana Velazquez, Senior Project Engineer, Planning, Solid Waste Services

Alec Wu, Assistant Project Engineer, Planning,
Solid Waste Services

PREPARATION OF MINUTES: Sandra Moore, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

Tuesday, April 4, 2023
1:00 PM – 4:00 PM
In-Person Workshop
Metro Vancouver Head Office
4515 Central Boulevard, Burnaby, BC, V5H 0C6
Room 2809

AGENDA

1. AGENDA

1.1. April 4, 2023 Meeting Agenda

2. MINUTES

2.1. March 7, 2023 Meeting Minutes

3. SOLID WASTE MANAGEMENT PLAN UPDATE VISION AND GUIDING PRINCIPLES WORKSHOP

4. REPORTS

4.1. Solid Waste and Recycling Industry Advisory Committee 2022 Achievements Draft Report to Zero Waste Committee
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. OTHER BUSINESS

5.1. Zero Waste Committee Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

6. INFORMATION ITEMS

6.1. Regional Waste Flows
March 2023 Regional Waste Flow Data will be included in the May 2023 Agenda
6.2. 2023 IAC Action Tracker
6.3. Industry Advisory Committee 2023 Work Plan
6.4. Letter to Metro Vancouver Regarding Tracking and Reporting Diversion – Jamie Kaminski – March 8, 2023

MEETING MINUTES

Mary Polak, Co-Chair, called the meeting to order at 1:02 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) Workshop. Housekeeping items were relayed, and Co-Chair Polak acknowledged that the meeting was being held on the traditional territories of local First Nations.

1. AGENDA

1.1 April 4, 2023 Meeting Agenda

Co-Chair Polak proposed that the April 4, 2023 agenda be varied to consider the regular meeting items before commencing the workshop (Item 3), and asked for any additions or changes to the April 4, 2024 agenda. No additions or changes to the agenda were proposed, and no objections were made to varying the agenda.

Point of Order

A member called a Point of Order related to the completeness of the Conflict of Interest Statements of seven other Committee members, and made the following request:

- Adjourn this meeting of IAC and postpone other meetings until a thorough investigation on the matters raised is concluded and results reported to all IAC members
- Alternatively, have the people named excluded from this meeting until an investigation is concluded
- Next, if the investigation finds the members have failed to comply with the Conflict of Interest provisions, they should be removed from the IAC and not be allowed to join, or have any representatives from their respective organizations be substituted

In response to a Point of Order called, Co-Chair Polak confirmed that no business could be conducted until the Co-Chairs ruled on the Point of Order.

Recess

The meeting recessed at 1:15 p.m. and reconvened at 1:55 p.m.

Co-Chair Polak advised members that the meeting would be adjourned as the Co-Chairs required more time to review the Point of Order. Information on next steps would be communicated to the membership in a timely manner.

2. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 1:55 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, May 9, 2023
2:00 p.m. – 4:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 May 9, 2023 Meeting Agenda

2. MINUTES

2.1 April 4, 2023 Meeting Minutes

3. Issues Arising from April 4, 2023 Meeting

3.1 Point of Order

4. REPORTS

4.1 Proposed Updates to the Industry Advisory Committee Terms of Reference – Blackline Version
Verbal Update
Designated Speaker: Director Hodge, IAC Co-Chair

4.2 Recycling and Waste Facilities Insurance Coverage
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. OTHER BUSINESS

5.1 Zero Waste Committee Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5.2 IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop Planning
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5.3 2023 IAC Action Tracker and Summarize Meeting Action Items
Verbal Update
Designated Speaker: Brooke Atkinson, Engagement Specialist, Solid Waste Services

5.4 2023 IAC Member Biographies
Verbal Update
Designated Speaker: Brooke Atkinson, Engagement Specialist, Solid Waste Services

6. NEXT STEPS

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 Industry Advisory Committee 2023 Work Plan

7.3 Letter to Metro Vancouver Regarding Tracking and Reporting Diversion – Jamie Kaminski – March 8, 2023

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:
Abrams, Izzie - Waste Connections of Canada
Ahmadi, Taufiq – Maple Leaf Disposal
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Kawakami, Sean - Convertus Group
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Victor, Nicole - Covanta
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Henderson, Paul – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, May 9, 2023, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Mary Polak, Waste Connections of Canada (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Lori Bryan, Waste Management Assoc. of BC
Ken Carrusca, Cement Association of Canada
Christian Dietrich, Ecowaste Industries
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Group
Grant Hankins, Waste Management Association of BC
Maya Moucachen, Merlin Plastics
Mike Lanin, Super Save Group
Nicole Stefenelli, Urban Impact Recycling
Aiden Kiani, Lock-Block Ltd.
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Cynthia Shore, Republic Services
Edwin Berkhof, Evergen Infrastructure Corp.
Leanna Koehn, Ridge Meadows Recycling Society
Michael Zarbl, Major Appliances Recycling Roundtable
Nicole Victor, Covanta

MEMBERS ABSENT

James Collins, Tymac Launch Service Ltd.
Jeremy Crawford, Waste Control Services
Robbie Gill, Cloverdale Fuel Ltd.
Gord Johnson, Empower Environmental/Northstar
Matthew McAra, GFL
James Collins, Tymac Launch Servcies Ltd.
Josh Jansen Vandoorn, Anaconda Systems Ltd.
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Liliana Segal, Green Chair Recycling
Taufiq Ahamad, Maple Leaf Disposal
Sandy Sigmund, Encorp Pacific Canada

METRO VANCOUVER (MV) STAFF:

Brooke Atkinson, Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services
Nanette van Doorn, Strategy and Stakeholder Relations
Samantha Joy, Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services

PREPARATION OF MINUTES: Megan Krempel, Raincoast Ventures Ltd

AGENDA:

Solid Waste and Recycling Industry Advisory Committee Meeting

May 9, 2023
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
   1.1. May 9, 2023 Meeting Agenda
2. Minutes
   2.1. April 4, 2023 Meeting Minutes
3. Issues Arising from April 4, 2023 Meeting
   3.1 Point of Order
4. Reports
   4.1. Proposed Updates to the Industry Advisory Committee Terms of Reference – Blackline Version
   4.2. Recycling and Waste Facilities Insurance Coverage
5. Other Business
   5.1. Zero Waste Committee Updates
   5.2. IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop Planning
   5.3. 2023 IAC Action Tracker and Summarize Meeting Action Items
   5.4. 2023 IAC Member Biographies
6. Next Steps
7. Information Items
   7.1. Regional Waste Flows
   7.2. Industry Advisory Committee 2023 Work Plan
   7.3. Letter to Metro Vancouver Regarding Tracking and Reporting Diversion – Jamie Kaminski – March 8, 2023

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

Co-Chair Craig Hodge called the meeting to order at 2:03 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) meeting.

1. AGENDA

1.1 May 9, 2023 Meeting Agenda

Co-Chair Hodge called for additions or changes to the agenda. No additions were put forward.

2. MINUTES

2.1 April 4, 2023 Meeting Minutes

A member raised concern that the April 4, 2023, IAC Meeting had not been appropriately concluded and had only been adjourned by the Co-Chair to consider the Point of Order raised in regard to the member's assertion at the meeting that seven IAC members Existing or Potential Conflict of Interest statements were inconsistent with the IAC Terms of Reference requirements. The member asserted the May 9, 2023 meeting was a continuation of the April 4, 2023 meeting and noted objection to proceeding with the May 9, 2023 meeting agenda. The member noted that he had sent detailed comments on the minutes to the Co-Chairs.

Co-Chair Hodge acknowledged the member's comments, advised that the April 4, 2023 Meeting had been concluded by the meeting Chair, and that the May 9, 2023 meeting would proceed as per the agenda.

3. ISSUES ARISING FROM APRIL 4, 2023 MEETING

3.1 POINT OF ORDER

In response to the Point of Order raised at the April 4, 2023 IAC meeting, Co-Chair Hodge noted that an email was sent on April 18, 2023, on behalf of the Co-Chairs, to IAC members advising of the Co-Chair's conclusion that the Terms of Reference should be updated to provide clearer guidance with respect to the information that members are expected to disclose. As communicated in the email, the Co-Chairs concluded that all of the individuals identified by one of the members as having inaccurate conflict statements could continue to participate as members of the IAC.

Co-Chair Hodge further noted that on May 3, 2023, staff sent an email to IAC members offering them the opportunity to update their IAC member Conflict of Interest statements for review by the Co-Chairs. All statements were reviewed and considered by the Co-Chairs, and the Co-Chairs concluded that no member's participation would preclude fair and objective deliberation of issues at the IAC meeting. Co-Chair Hodge noted that the statements have been published on the IAC website and any concerns with respect to member Conflict of Interest statements could be submitted by email to the Co-Chairs.

The member who raised the Point of Order stated that he had not been provided with a description of the investigation that had been completed by the Co-Chairs, with respect to their conclusions that all members could continue to participate in the IAC even though hehad

requested to be provided with that information. The member requested that the Co-Chairs provide him with the details of any investigation. Co-Chair Hodge acknowledged the member's request and moved to the next agenda item.

4. REPORTS

4.1 Proposed Updates to the Industry Advisory Committee Terms of Reference – Blackline Version

Co-Chair Hodge referred to the proposed updates to the IAC Terms of Reference which had been provided with the meeting agenda, and noted the most significant changes were made to Section 5, regarding Conflict of Interest statements.

Co-Chair Hodge noted that the proposed additions to the Terms of Reference were included for the purpose of discussion and to receive input and additional suggested changes from IAC members. Metro Vancouver staff further noted that the updated Terms of Reference would be presented at the next IAC meeting for voting, and that some changes had not been highlighted in the blacklined version circulated to members and therefore a revised version inclusive of all blacklined edits would be sent.

During discussion on the IAC Terms of Reference, comments from members were offered regarding:

- Concerns expressed that the proposed changes did not properly address the Point of Order concerns raised at the April 4, 2023 meeting, and that the information that would be disclosed under the proposed updates would not be sufficient.
- That without a requirement that anyone with Conflict of Interest being prohibited from participating in discussions related to that issue, the Terms of Reference requirements to disclose had little benefit.

Paul Henderson clarified that:

- The Disclosure Statement would assist members with determining whether to self-declare a Conflict of Interest.
- If members were not in support of proposed changes to the Terms of Reference they could either vote against the proposed changes or propose amendments for consideration by the IAC.

The Co-Chair confirmed that written comments on the draft IAC Terms of Reference could be provided prior to the June 6, 2023, IAC meeting.

4.2 Recycling and Waste Facilities Insurance Coverage

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, reported that recycling processors were experiencing challenges obtaining insurance for their operations and facilities, and that rates being offered by insurers were significantly high. The issue would significantly impact both large and small operators and restrict the industry from operating on an efficient basis.

During discussion, IAC members shared of their experiences with the issue and several members agreed to connect offline and to share insurance broker contact information. Paul Henderson suggested that the inclusion of an inspection report on the facility through Metro Vancouver's licensing program for solid waste facilities could provide potentially support with a processor's insurance request.

5. OTHER BUSINESS

5.1 Zero Waste Committee Updates

Paul Henderson provided an update on the development of the agenda for the Zero Waste Committee meeting on May 23, 2023, which would include discussion on the Waste Composition Studies Report.

Paul noted that the Zero Waste Manager's Report would advise that on April 4, 2023, Metro Vancouver was notified by the Province that the Greater Vancouver Water District (GVWD) and the Greater Vancouver Sewerage and Drainage District (GVS&DD) had been added to the provincially regulated Bylaw Notice Enforcement Regulation, a mechanism for administrative penalties to be applied to ensure compliance with existing bylaws under up to $500 /violation. Currently 19 of 21 member jurisdictions have this authority. Engagement will take place on the specific provisions related to setting violations and the level of penalties.

5.2 IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop Planning

Brooke Atkinson, Engagement Specialist, Metro Vancouver, noted the IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop would be held at the June 6, 2023, IAC meeting. After a show of hands by the majority of IAC members, there was consensus that the meeting be held in person from 1:00 – 4:00 p.m.

5.3 2023 IAC Action Tracker and Summarize Meeting Action Items

Brooke Atkinson reviewed the 2023 IAC Action Tracker and provided updates where applicable. It was noted that no additional Action Items had arisen during the May 9, 2023 meeting.

5.4 2023 IAC Member Biographies

Brooke Atkinson advised that all available IAC member biographies and photos have been posted online and members yet to submit their photos or biographies were encouraged to do so.

6. NEXT STEPS

Co-Chair Hodge noted details would be forthcoming on the in person IAC meeting on June 6, 2023, which would include the presentation of the updated IAC Terms of Reference, the nomination and election of the new IAC Co-Chair, and the IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop.

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 Industry Advisory Committee 2023 Work Plan

7.3 Letter to Metro Vancouver Regarding Tracking and Reporting Diversion – Jamie Kaminski – March 8, 2023

In regard to Item 7.3, Jamie Kaminski informed the letter sought perspectives from IAC members on the potential to reclassify materials for burning/fuel as "disposal" and not "recycling" and to separate materials that are to be circulated in a continuum as opposed to burning, which is a final destination. The intention is to maintain the commitment that Metro Vancouver's reporting is transparent, its labelling explicit and recycling is held at a high standard.

During discussion, an IAC member suggested that an additional recovery category could be added between the recycling and disposal. This could accommodate situations where all efforts were made to recycle a material, but that recycling was not possible, and an option such as fuel production was necessary.

8. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:08 p.m.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, June 6, 2023
1:00 pm – 4:00 pm
In-Person Workshop
Anvil Centre – 777 Columbia St, New Westminster, BC
A G E N D A

1. AGENDA

1.1 June 6, 2023 Meeting Agenda

2. MINUTES

2.1 May 9, 2023 Meeting Minutes

3. SOLID WASTE MANAGEMENT PLAN UPDATE VISION AND GUIDING PRINCIPLES WORKSHOP

3.1 Discussion Guide and Backgrounder

4. INDUSTRY ADVISORY COMMITTEE CO-CHAIR ELECTION

4.1 Voting Process
4.2 Nominations
4.3 Election

5. OTHER BUSINESS

5.1 Zero Waste Committee Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5.2 2023 IAC Action Tracker and Summarize Meeting Action Items
Verbal Update
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

6. INFORMATION ITEMS

6.1 Regional Waste Flows - May
6.2 Industry Advisory Committee 2023 Work Plan

6.3 Collaborative Engagement RFI Announcement

7. NEXT STEPS

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:

Abrams, Izzie - Waste Connections of Canada
Ahmadi, Taufiq – Maple Leaf Disposal
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Collins, James - Tymac Launch Service Ltd.
Coutts, Cindy – Encorp Pacific Canada
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Hankins, Grant - Waste Management Association of BC
Johnson, Gord - Empower Environmental/ Northstar
JansenVandoorn, Josh - Anaconda Systems Ltd.
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Prasad, Shad - Cascade Recovery +
Shore, Cynthia - Republic Services
Sigmund, Sandy – Encorp Pacific Canada
Stefenelli, Nicole - Urban Impact Recycling Inc.
Victor, Nicole - Covanta
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Joy, Samantha - Metro Vancouver
Henderson, Paul – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE WORKSHOP

Minutes of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 1:00 p.m. on Tuesday, June 6, 2023, at the Anvil Centre.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Mary Polak, Waste Connections of Canada (Co-Chair)
Achilles Mallari, Sierra Waste Services Ltd.
Aiden Kiani, Lock-Block Ltd.
Christian Dietrich, Ecowaste Industries
David Millman, Waste Management of Canada
Edwin Berkhof, Evergen Infrastructure Corp.
Grant Hankins, Minibins
Gord Johnson, Empower Environmental / Northstar
Izzie Abrams, Waste Connections of Canada
Jacqueline Lotzkar, Pacific Metals Recycling International
Jamie Kaminski, HSR Zero Waste
Jeremy Crawford, Waste Control Services Inc.
Ken Carrusca, Cement Association of Canada
Matthew McAra, GFL Environmental Inc.
Maya Moucachen, Merlin Plastics
Michael Zarbl, Major Appliances Recycling
Mike Lannin, Super Save Group
Nicole Stefenelli, Urban Impact Recycling
Nicole Victor, Covanta
Pinky Vargas, Republic Services
Ralph McRae, Revolution
Sandy Sigmund, Encorp Pacific Canada
Shad Prasad, Cascade Recovery +
Terryl Plotnikoff, Canadian Mattress Recycling Inc.

MEMBERS ABSENT

Jacqueline Lotzkar, Pacific Metals Recycling International
James Collins, Tymac Launch Service Ltd.
Josh Jansen Vandoorn, Anaconda Systems Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Lori Bryan, Waste Management Association of BC
Sean Kawakami, Convertus Canada Ltd.
Taufiq Ahmadi, Maple Leaf Disposal

METRO VANCOUVER (MV) STAFF:

Paul Henderson, General Manager, Solid Waste Services
Adriana Velasquez, Senior Project Engineer
Allen Jensen, Senior Project Engineer
Chris Allan, Director, Solid Waste Operations
Chris Underwood, Division Manager
Karen Storry, Senior Engineer
Mani Massah, Project Engineer
Samantha Joy, Engagement Specialist
Stephanie Liu, Senior Engagement Specialist
Terry Fulton, P.Eng., Senior Project Engineer
Zeenia Mizan, Communications Officer

PREPARATION OF MINUTES: Jasmeen Dhillon, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

Tuesday, June 6, 2023
1:00 PM – 4:00 PM
Anvil Centre
777 Columbia St, New Westminster, BC

Agenda

1. Agenda
   1.1. June 6, 2023 Meeting Agenda
2. Minutes
   2.1. May 9, 2023 Meeting Minutes
3. Solid Waste Management Plan Update and Guiding Principles Workshop
   3.1 Discussion Guide and Backgrounder
4. Industry Advisory Committee Co-Chair Election
   4.1. Voting Process
   4.2. Nominations
   4.3. Election
5. Other Business
   5.1. Zero Waste Committee Updates
   Verbal Update
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
   5.2. IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop Planning
   Verbal Update
   Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services
6. Information Items
   6.1. Regional Waste Flows – May
   6.2. Industry Advisory Committee 2023 Work Plan
   6.3. Collaborative Engagement RFI Announcement
7. Next Steps

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

MEETING MINUTES

Mary Polak, Co-Chair, called the meeting to order at 1:10 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) Meeting. Housekeeping items were relayed, Co-Chair Polak acknowledged that the meeting was being held on the traditional territories of local First Nations.

The Co-Chair noted that there were observers from the Ministry of Environment and Climate Change Strategy and the City of Vancouver present at the meeting and reminded members that observers are welcome at every meeting as per the terms of reference.

1. AGENDA

1.1 June 6, 2023 Meeting Agenda

Co-Chair Polak called for additions or changes to the agenda. No additions were put forward.

2. MINUTES

2.1 May 9, 2023 Meeting Minutes

Co-Chair Polak called for errors or omissions in the minutes of the May 9, 2023 IAC meeting.

During the review of the minutes, a member made a point of information and requested to speak. The member referenced his ongoing concerns around transparency and alleged member conflict of interest. The member presented a box of approximately 1,500 documents related to these issues to Co-Chair Polak.

No errors or omissions were identified by IAC members.

3. SOLID WASTE MANAGEMENT PLAN UPDATE VISION AND GUIDING PRINCIPLES WORKSHOP

3.1 Discussion Guide and Backgrounder

The committee received an overview presentation on the regional recycling and waste system, and a presentation on the approach to discussing vision and guiding principles for the solid waste management plan update.

Four questions were discussed by committee members, including small group and large group discussions:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

A high-level summary of the feedback received during the workshop is attached. Detailed discussion notes are being retained as part of the full engagement record, and individual comments will be included in feedback logs as part of an engagement report at the end of this phase on vision and guiding principles.

4. INDUSTRY ADVISORY COMMITTEE CO-CHAIR ELECTION

4.1 Voting Process

The election process was explained: the election of one Co-chair will be based on a majority vote (50% + 1 of all attending members) among the IAC members.

The Committee appointed Co-Chair will call for nominations from the floor and then IAC members will be invited to vote by show of hands for the candidates of their choice.

One member brought to attention that the Co-Chair election procedure was different in 2022 and it was suggested that for the nominations to proceed the committee would allow time for nominees to give a short personal introduction before voting began.

4.2 Nominations

Co-Chair Hodge informed that he would call three times for nominations from the floor:

- Co-Chair incumbent, Mary Polak, was nominated to be re-elected Co-Chair

4.3 Election

There being only one nominee, Co-Chair Hodge announced that Mary Polak was acclaimed Co-Chair for 2023/24.

5. OTHER BUSINESS

5.1 Zero Waste Committee Updates

Paul Henderson informed that the next Zero Waste Committee meeting is scheduled for Thursday, June 15, 2023 and provided an overview of some of the items to be considered at the meeting.

5.2 2023 IAC Action Tracker and Summarize Meeting Action Items

This item was included in the agenda package. Samantha Joy also provided a verbal update relating to ongoing exploration of potential ways for Metro Vancouver to support recycling facility insurance applications. This item is in progress and will be discussed further as new details become available.

5.2 Collaborative Engagement

Stephanie Liu provided the following updates:

- Initiative to provide funding to not-for-profit organizations to gather feedback and engage with their communities on the Solid Waste Management Plan update.
- Goal to leverage the networks of not-profit entities including entities representing equity denied and underrepresented populations, and to expand the reach of Metro Vancouver engagement.

  Request for information (RFI) has been adapted to allow an easier application process. Organizations can fill out a 2-page form to advise of their interest in participating.

6. INFORMATION ITEMS

6.1 Regional Waste Flows – May

- Item was included in the agenda package.
- No further comments

6.2 Industry Advisory Committee 2023 Work Plan

- Included in the agenda package
- No further comments

7. NEXT STEPS

- Mary Polak, Co-Chair, announced the addition of a meeting on July 11, 2023 - invitations will be forwarded to members.
- Announcement regarding the 2023 Zero Waste Conference: IAC members are invited to attend the Zero Waste Conference which is scheduled for November 1 – 2, 2023. Members are able to attend the conference at no cost.
- Members can share any additional comments or questions via email.

8. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:10 p.m.

SOLID WASTE MANAGEMENT UPDATE VISION AND GUIDING PRINCIPLES

Solid Waste and Recycling Industry Advisory Committee Workshop

June 6, 2023

On June 6, 2023, Metro Vancouver held a workshop with members of the Solid Waste and Recycling Industry Advisory Committee (IAC) to discuss vision and guiding principles for the updated regional solid waste management plan. There were 22 of 30 IAC members present.



The vision and guiding principles phase of engagement sets the foundation and direction for the plan development process, by gathering feedback on values, priorities, interests, and key solid waste management considerations now and into the future.

At the June 6, 2023 IAC workshop, four key questions were presented to members:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

A summary of themes that emerged at the workshop is presented in the *What We Heard* section below. Note that the feedback presented here is meant to highlight key themes from the discussion. Detailed discussion notes are being retained as part of the full engagement record, and individual comments will be included in feedback logs as part of an engagement report at the end of this phase on vision and guiding principles.

Next steps include providing an update report to the Zero Waste Committee on what we have heard so far through engagement with First Nations, member jurisdiction staff, and advisory committees, followed by the launch of public engagement on vision and guiding principles. Following public engagement, Metro Vancouver will produce an engagement summary report for this phase of engagement and provide a draft vision statement and guiding principles to the Zero Waste Committee and Board for consideration.

Members are encouraged to submit any additional feedback before June 30, 2023, to solidwasteoperations@metrovancouver.org.

WHAT WE HEARD

The table below summarizes themes that emerged through the small group discussions, which will be taken into consideration as Metro Vancouver continues to engage on the vision and guiding principles for the updated plan.

Priority	What We Heard
Accessibility and inclusivity	• Improve recycling and disposal access in small and remote communities • Ensure dialogue with people who live close to facilities; engage with under-represented groups about the impact of facilities on communities • Consider cost of living and accessibility when planning services and facilities
Accountability	• Improve waste and recycling metrics (including for construction and demolition waste) • Ensure reporting of accurate recycling rates with clear definitions • Recognize the shared responsibility of individuals and industry • Provide incentives to build and operate recycling facilities • Financial accountability and transparency (related to contracts and procurement) • Eliminate "greenwashing"
Affordability	• Incentivize recycling and circular solutions to producers • Create solutions for high real estate costs – limited access, high costs, zoning
Circular economy	• Design products to be recyclable • Reuse construction materials • Define waste materials as a commodity (resource) instead of garbage
Climate action	• Promote lower GHG emission and carbon capture technology • Encourage low-carbon and low-emission vehicles • Focus on solutions to reduce GHGs in concrete and cement producers • Avoid activities that pose environmental liability in the future
Collaboration	• Collaborate with all levels of government, private businesses, and industry • Engage with and foster a sense of community • Ensure an open market for service providers
Convenience, consistency, simplicity	• Make recycling easier for the public, especially with separation and storage • Invest in facilities that take all waste streams (ex. North Shore facility) • Increase capacity and ease for easy plastics recycling
Education and behavior change	• Focus on and implement provincial waste hierarchy • Public education around understanding compostables, keeping recycling clean, and reducing contaminations • Public education around reuse of items and extending the life of products • Establish and promote clear values around waste disposal and recycling • Incentivize behavior change (reward people rather than penalize) • "Where Does it Go?" for recycling and disposal education, awareness • Encourage consumers to purchase less and purchase recycled/repurposed items

Environmental stewardship	• Restrict the use of natural resources, or premium pricing for natural resources • Ban the use of resources from areas immediately surrounding the city (ex. aggregate) • Consider capital costs and the overall environmental path
Equity	• Promote and enhance opportunities for a competitive market • Rebates and grants from the provincial government
Innovation	• Advance the waste prevention, reuse, and repair economies, as well as technological innovations and habit innovations • Provide options for reuse, repair, and recycling that are easier than disposal • Technology and AI to assist with contamination or multi-family homes Landfill mining and gas capture • Landfill mining and gas capture • Invest in circular solutions and ways to eliminate single-use items
Regulation and Policy	• Ensure policy allows market-driven outcomes; avoid conflict between the roles of regulator and market competitor • Extended producer responsibility (EPR) • Implement and maintain disposal bans for reduction of waste • Maintain organics disposal ban • Standardize and define the terminology used in measurement and metrics
Waste Reduction	• Eliminate waste at the source – focus on local processing and local re-use • Reduce daily deliveries from online retailers

WORKSHOP ATTENDEES:

Director Craig Hodge, Co-Chair
Mary Polak, Co-Chair
Achilles Mallari – Sierra Waste Services Ltd.
Aiden Kiani – Lock-Block Ltd.
Christian Dietrich – Ecowaste Industries
David Millman – Waste Management of Canada
Edwin Berkhof – Evergen Infrastructure Corp.
Gord Johnson - Empower
Grant Hankins – Waste Management Association of BC
Izzie Abrams – Waste Connections of Canada
Jaimie Kaminski – HSR Zero Waste
Jeremy Crawford – Waste Control Services
Ken Carusca – Cement Association of Canada
Matthew McAra - GFL
Maya Moucachen – Merlin Plastics
Michael Zarbl – Major Appliances Recycling Roundtable
Mike Lanin – Super Save Group
Nicole Stefenelli – Urban Impact Recycling Inc.
Nicole Victor - Covanta
Pinky Vargas (Cynthia Shore) – Republic Services
Ralph McRae – Revolution
Sandy Sigmund – Encorp Pacific Canada
Shad Prasad – Cascade Recovery +
Terryl Plotnikoff – Canadian Mattress Recycling Inc.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, July 11, 2023
2:00 pm – 4:00 pm
A G E N D A

1. AGENDA

1.1 July 11, 2023 Meeting Agenda

2. MINUTES

2.1 June 6, 2023 Meeting Minutes

3. Republic Services Representation on Industry Advisory Committee

4. Zero Waste Committee Updates
Zero Waste Committee meeting agenda – July 13, 2023
5.4 Tipping Fee Bylaw Updates
5.5 Smart Waste Program
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. PROPOSED UPDATES TO INDUSTRY ADVISORY COMMITTEE TERMS OF REFERENCE – VOTING ITEM

5.1 Proposed Updated Terms of Reference
5.2 Proposed Updated Terms of Reference – Blackline version (compared to version included in the May 9, 2023 agenda package)
5.3 Proposed Updated Terms of Reference – Blackline version (compared with Feb 7, 2023 approved version)

6. REPORTS

6.1 Solid Waste and Recycling Industry Advisory Committee 2022/23 Summary – Draft report to Zero Waste Committee
Verbal update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

7. OTHER BUSINESS

7.1 2023 IAC Work Plan updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

7.2 2023 IAC Action Tracker and Summarize Meeting Action Items
Verbal Update
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

8. NEXT STEPS

8.1 Upcoming Meeting Schedule

9. INFORMATION ITEMS

9.1 Regional Waste Flows
9.2 Proposed Updated 2023 Meeting Schedule

Committee Co-Chairs:
Director Craig Hodge, Zero Waste
Committee Vice Chair
Polak, Mary - Waste Connections of Canada

Membership:
Abrams, Izzie - Waste Connections of Canada
Ahmadi, Taufiq – Maple Leaf Disposal
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Collins, James - Tymac Launch Service Ltd.
Coutts, Cindy – Encorp Pacific Canada
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Hankins, Grant – Canada Minibins
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Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
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Prasad, Shad - Cascade Recovery +
Shore, Cynthia - Republic Services
Sigmund, Sandy – Encorp Pacific Canada
Stefenelli, Nicole - Urban Impact Recycling Inc.
Victor, Nicole - Covanta
Zarbl, Michael - Major Appliances Recycling Roundtable

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Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Henderson, Paul – Metro Vancouver
Joy, Samantha - Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Minutes of the Solid Waste and Recycling Industry Advisory Committee held at 2:00 p.m. on Tuesday, July 11, 2023, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Mary Polak, Waste Connections of Canada (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Ken Carrusca, Cement Association of Canada
Jeremy Crawford, Waste Control Services Inc.
Christian Dietrich, Ecowaste Industries
Grant Hankins, MiniBins Canada
Jamie Kaminski, HSR Zero Waste
Gord Johnson, Empower Environmental/ Northstar
Leanne Koehn, Ridge Meadows Recycling Society
Sandy Sigmund, Encorp Pacific Canada
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Achilles Mallari, Sierra Waste Services Ltd.
Matthew McAra, GFL Environmental Inc.
Ralph McRae, Revolution
David Millman, Waste Management of Canada
Shad Prasad, Cascade Recovery +
Sandy Sigmund, Encorp Pacific Canada
Nicole Stefenelli, Urban Impact Recycling
Nicole Victor, Covanta
James Collins, Tymac Launch Service Ltd.
Josh Jansen Vandoorn, Anaconda Systems Ltd.
Lori Bryan, Waste Management Association of BC
Sean Kawakami, Convertus Canada Ltd.

MEMBERS ABSENT

Aiden Kiani, Lock-Block Ltd.
Taufiq Ahmadi, Maple Leaf Disposal
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Michael Zarbl, Major Appliances Roundtable
Maya Moucachen, Merlin Plastics
Jacqueline Lotzkar, Pacific Metals Recycling International
Edwin Berkhof, Evergen Infrastructure Corp.

METRO VANCOUVER (MV) STAFF:

Paul Henderson, General Manager, Solid Waste Services
Chris Allan, Operations Manager, Solid Waste Services
Chris Underwood Planning Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Brooke Atkinson, Engagement Specialist, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services

PREPARATION OF MINUTES: Jasmeen Dhillon, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

Tuesday, July 11, 2023
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda

   1.1. July 11, 2023 Meeting Agenda

2. Minutes

   2.1. June 6, 2023 Meeting Minutes

3. Republic Services Representation on Industry Advisory Committee

4. Zero Waste Committee Updates
   Zero Waste Committee meeting Agenda – July 13, 2023
   4.1. 5.4 Tipping Fee Bylaw Updates
   4.2. 5.5 Smart Waste Program
   Verbal Update
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. PROPOSED UPDATES TO INDUSTRY ADVISORY COMMITTEE TERMS OF REFERENCE – VOTING ITEM
   5.1. Proposed Updated Terms of Reference
   5.2. Proposed Updated Terms of Reference – Blackline version (compared to version included in the May 9, 2023 agenda package)
   5.3. Proposed Updated Terms of Reference – Blackline version (compared with February 7, 2023 approved version)

6. REPORTS
   6.1. Solid Waste and Recycling Industry Advisory Committee 2022/23 Summary – Draft report to Zero Waste Committee
   Verbal Update
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

7. OTHER BUSINESS
   7.1. 2023 IAC Work Plan updates
   Verbal Update
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

   7.2. 2023 IAC Action Tracker and Summarize Meeting Action Items
   Verbal Update
   Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

8. NEXT STEPS
   8.1. Updating Meeting Schedule

9. INFORMATION ITEMS

9.1. Regional Waste Flows
9.2. Proposed Updated 2023 Meeting Schedule

MEETING MINUTES

Craig Hodge, Co-Chair, called the meeting to order at 2:01 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting.

1. AGENDA

1.1 July 11, 2023 Meeting Agenda

Co-Chair Hodge called for additions or changes to the agenda. No additions were put forward.

2. MINUTES

2.1 June 6, 2023 Meeting Minutes

Co-Chair Hodge called for errors or omissions in the minutes of the June 6, 2023 Industry Advisory Committee meeting.

A member raised a concern that the content from flip charts used during the table discussions at the June 6, 2023 workshop was omitted from the *What We Heard* summary. It was requested that the *What We Heard* summary be amended to include content from the flip charts.

Co-Chair Hodge responded that the *What We Heard* summary would be reviewed for accuracy and requested members to forward further feedback directly to staff.

3. Republic Services Representation on Industry Advisory Committee

Co-Chair Hodge informed that Cynthia Shore, Republic Services has resigned. Pinky Vargas attended the June 6, 2023 meeting as an alternate for Cynthia. The Industry Advisory Committee Terms of Reference do not outline a process for replacing a member who has resigned. Pinky Vargas has been informed that she can attend as an observer until further notice.

Feedback was requested to provide clarity on the Member Resignation section of the Terms of Reference and general discussion questions were asked:

1. If a member resigns part way through the year, should there be a replacement?
2. Should an individual be able to join membership as a replacement?
3. If a member leaves a company, can the company appoint someone as the new representative?

Further discussion was deferred until later in the meeting, under Item 5.

4. Zero Waste Committee Updates

Zero Waste Committee meeting Agenda – July 13, 2023

4.1 5.4 Tipping Fee Bylaw Updates

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, gave a presentation outlining the Draft Tipping Fee Bylaw. The draft updates include:

1) Updating definitions
2) Clarification of record keeping requirements
3) Enhancing compliance promotion powers

It was noted that the scope of the applicability of the generator levy had not increased, specifically that loads containing only construction and demolition waste would not be subject to the generator levy.

Engagement with the waste management community will occur in advance of Zero Waste Committee/Board considering any proposed bylaw updates.

4.2 5.5 Smart Waste Program

Paul Henderson gave a presentation to introduce a new program being initiated by Metro Vancouver that will use location-based electronic devices to observe the movement of waste around the region.

During discussion on the Draft Tipping Fee Bylaw and Smart Waste Program, comments were offered regarding:

- Information was requested regarding how the benchmarks and utility costs were calculated
  - Information is from publicly available websites of the organizations sited
  - Additional information will be provided by staff, including sources of information from other jurisdictions
- Information was requested on whether the location-based devices would be deposited into front-end (stationary) bins or roll-off bins
  - location-based devices would be deposited into publicly accessible garbage containers and will move with the garbage, including potentially both front-end and roll-off containers
- Questions on whether construction and demolition loads would be subject to the generator levy
  - Loads of construction and demolition are not currently subject to the generator levy when delivered to a facility other than Metro Vancouver or City of Vancouver solid waste facility and the draft updates to the Tipping Fee bylaw make no changes with respect to the applicability of the generator levy to construction and demolition waste loads
- Information was requested on the extent to which the devices would be used including the frequency of use.
  - the expectation is that the devices would be used periodically to survey the movement of garbage around the region
- Members expressed concerns about trucks being monitored by someone other than their own company
- Members noted that they believed the use of the devices would require consent from the

waste management companies.

- Members expressed concern that the release of the draft documents occurred during the summer season when some members are on vacation and are unable to participate in a vote and/or discussion
- Are electronics not banned from landfill?
  - Draft updates to the Tipping Fee Bylaw contain an exemption for electronic location devices used to observe the movement of waste
- Members expressed concerns that the devices could cause fires and impact the environment.
  - The devices use AAA alkaline batteries which do not cause fires and are considered non-toxic.
- Members raised concerns that there was no engagement on the planned use of the devices in advance of the report being published.

5. PROPOSED UPDATES TO INDUSTRY ADVISORY COMMITTEE TERMS OF REFERENCE – VOTING ITEM

Paul Henderson referred to slides summarizing the proposed updates:

- Section 4 – Conflicts of Interest
  - Disclosure statement replaces the conflict-of-interest statement wording
  - Examples of information to be provided in the disclosure statements have been included in the Terms of Reference
  - Members should excuse themselves in matters that may place them in a conflict of interest unless explicitly requested to speak
  - Definition of conflict of interest: pecuniary or other interest that would cause a real or perceived conflict of interest for members to carry out duties
  - Co-Chairs have the power to remove any IAC member whose conflict of interest is inconsistent with fair and objective deliberation
- Section 5: Chairs
  - Nomination of Co-Chairs will be the meeting prior to the annual Co-Chair election, with additional nominations allowed on the day of the election.

During discussion, comments were offered regarding:

- Members spoke for and against updating the proposed Terms of Reference with a provision to allow a company to replace a member if the member leaves the Industry Advisory Committee.

It was MOVED and SECONDED

To update the Terms of Reference to be consistent with the draft provided in the meeting agenda.

It was MOVED and SECONDED

To amend the draft Terms of Reference presented in the meeting agenda with an additional provision as follows:

If a member leaves the Industry Advisory Committee, the company or association the member represents can appoint another representative for the remainder of the committee term.

During discussion, comments were offered regarding:

- If vote on amendment passes it will be included in the Terms of Reference draft which will undergo a second vote today.
- Debate on whether language would be amended in the Terms of Reference to identify if an individual or company is a member of the IAC
- IAC members must represent a company or member association
- Roberts Rules of Order need to be followed.

The AMENDMENT was CARRIED

5.1 Proposed Updated Terms of Reference

Co-chair Hodge referred to the Proposed Updated Terms of Reference included in the agenda package, and informed a vote would take place on the Terms of Reference with the latest amendment. Members were provided time to review.

The MOTION as amended was CARRIED

Co-Chair Hodge departed the meeting. Co-Chair Polak resumed the meeting.

6. REPORTS

6.1 Solid Waste and Recycling Industry Advisory Committee 2022/23 Summary – Draft report to Zero Waste Committee

Paul Henderson referred to the document titled *"Draft report to Zero Waste Committee"*, referencing, *"5.5 Smart Waste Program (SWP)"*, and provided a verbal update highlighting:

- The draft report to the Zero Waste Committee provides a summary of the activities the Industry Advisory Committee is working on
- The report references feedback from the Co-chairs that will be added to the report
- Next steps include:
  - Finalize the draft report
  - Attach Co-Chairs feedback
  - Present the report to the Zero Waste Committee
- Comments and feedback provided will be shared with the Co-chairs.

7. OTHER BUSINESS

7.1 2023 IAC Work Plan Updates

Paul Henderson referred to slides 26 and 27 shared via online presentation, highlighting the following addition to the 2023/24 work plan:

- Solid Waste Regulatory Framework

- Metro Vancouver Procurement Process – Presentation and discussion
- Recycling Statistics – Presentation and Discussion
- Solid Waste 2023 Budget and Capital Plan

7.2 2023 IAC Action Tracker and Summarize Meeting Action Items

Co-chair Polak reviewed the Action Tracker, and informed there were no updates.

A member asked about an item in progress related to insurance rates for waste and recycling facilities. Paul Henderson updated with the following:

- Paul has communicated with the insurance broker regarding the potential to access lower insurance costs for licensed facilities
- Staff will follow-up with the broker to consider facilities licenses and understand how they assess risk for facilities.

8. NEXT STEPS

8.1 Upcoming Meeting Schedule

Co-Chair Polak informed that upcoming meeting dates have not changed but that the format will change. September 7 was originally scheduled as an in-person meeting – the schedule will now be September 7 as an online meeting and October 3 as an in-person meeting and a workshop.

9. Information Items

9.1 Regional Waste Flows

- This item was included in the agenda package as an information item and was not discussed.

9.2 Proposed Updated 2023 Meeting Schedule

Co-chair Polak reviewed the upcoming meeting schedule and meeting platforms:

- Next online meeting: September 12, 2023
- Next in-person meeting: October 3, 2023
- Zero Waste Conference: November 1 and 2, 2023
  - IAC members can attend at no cost
  - Let staff know and to arrange for registration.

During a general discussion, the following comments were recorded:

- Request to have the IAC agendas published at least one week before a meeting
- Additional discussion on the Smart Waste program including questions on whether the devices would be used in construction and demolition containers and the applicability of the generator levy to construction and demolition waste loads
  - Additional information would be provided to Industry Advisory Committee members specifying the provision in the draft Tipping Fee Bylaw that exempts these loads
- Process for applying as a delegation to the Zero Waste Committee
  - Where a report is on the agenda for a meeting, delegations can apply to speak at

a committee meeting right up until the start of the meeting. Time restrictions are not applicable if there is a report on the agenda that a delegation would like to speak to.

- Information request on the bottom ash utilization pilot has been added to the meeting action tracker

Co-Chair Polak advised members that the meeting would be adjourned and informed that staff have committed to providing more information about the resources used in the Tipping Fee Bylaw presentation and the applicability of the Generator Fee Levy.

10. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:58 p.m.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, September 12, 2023
1:00 pm – 4:00 pm
A G E N D A

1. AGENDA

1.1 September 12, 2023 Meeting Agenda

2. MINUTES

2.1 July 11, 2023 Meeting Minutes

3. REPORTS

3.1 IAC Meeting Procedures
Designated Speaker: Paul Henderson, General Manager, Metro Vancouver

3.2 Performance Metrics Scope
Designated Speakers: Terry Fulton, Metro Vancouver and Veronika Bartlett, Morrison Hershfield

4. OTHER BUSINESS

4.1 Zero Waste Committee Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 October Workshop Planning
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.3 2023 IAC Action Tracker and Summarize Meeting Action Items
Verbal Update
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

4.4 Solid Waste Management Plan Public Engagement Update
Verbal Update
Designated Speaker: Samantha Joy, Engagement Specialist, Social Waste Services

4.5 2023 Zero Waste Conference IAC Member Attendance
Verbal Update
Designated Speaker: Samantha Joy, Engagement Specialist, Social Waste Services

5. CO-CHAIR NOMINATIONS

6. INFORMATION ITEMS

6.1 Regional Waste Flows
6.2 Industry Advisory Committee 2023 Work Plan
6.3 Additional Workshop Feedback

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair

Membership:

Abrams, Izzie - Waste Connections of Canada
Ahmadi, Taufiq – Maple Leaf Disposal
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Collins, James - Tymac Launch Service Ltd.
Coutts, Cindy – Encorp Pacific Canada
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Hankins, Grant – Minibins Canada
Johnson, Gord - Empower Environmental/ Northstar
JansenVandoorn, Josh - Anaconda Systems Ltd.
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Polak, Mary – Waste Connections of Canada
Prasad, Shad - Cascade Recovery +
Sigmund, Sandy – Encorp Pacific Canada
Stefenelli, Nicole - Urban Impact Recycling Inc.
Vargas, Pinky – Republic Services
Victor, Nicole - Covanta
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Joy, Samantha - Metro Vancouver
Henderson, Paul – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, September 12, 2023, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Achilles Mallari, Sierra Waste Services Ltd.
Aiden Kiani, Lock-Block Ltd.
Christian Dietrich, Ecowaste Industries
David Millman, Waste Management Association of Canada
Edwin Berkof, Evergen infrastructure Corp.
Gord Johnson, Empower Environmental/Northstar
Grant Hankins, Mini Bins Canada
Izzie Abrams, Waste Connections of Canada
James Collins, Tymac Launch Service Ltd.
Jamie Kaminski, HSR Zero Waste
Jeremy Crawford, Waste Control Services
Josh JansenVanddorn, Anaconda System Ltd.
Ken Carrusca, Cement Association of Canada
Leanne Koehn, Ridge Meadows Recycling Society
Lori Bryan, Waste Management Assoc. of BC
Mary Polak, Waste Connections of Canada
Maya Moucachen, Merlin Plastics
Michael Zarbl, Major Appliances Recycling Roundtable
Mike Lannin, Super Save Group
Nicole Stefenelli, Urban Impact Recycling
Nicole Victor, Covanta
Pinky Vargas, Republic Services
Sean Kawakami, Convertus Group
Shad Prasad, Cascade Recovery+

MEMBERS ABSENT

Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Matthew McAra, GFL Environmental Inc.
Ralph McRae, Revolution
Sandy Sigmund, Encorp Pacific Canada
Terryl Plotnikoff, Canadian Mattress Recycling
Taufiq Ahmadi, Maple Leaf Disposal

METRO VANCOUVER STAFF:

Nanette van Doorn, Comms and Education Coordinator, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Stephanie Liu, Senior Engagement Specialist, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Services
Zeenia Mizan, Communications Officer, Solid Waste Services

PREPARATION OF MINUTES: Megan Krempel, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

September 12, 2023
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda

   1.1. September 12, 2023 Meeting Agenda

2. Minutes

   2.1. July 11, 2023 Meeting Minutes

3. Reports
   3.1 IAC Meeting Procedures
   3.2 Performance Metrics Scope

4. Other Business
   4.1. Zero Waste Committee Updates
   4.2. October Workshop Planning
   4.3. 2023 IAC Action Tracker and Summarize Meeting Action Items
   4.4. Solid Waste Management Plan Public Engagement Update
   4.5. 2023 Zero Waste Conference IAC Member Attendance

5. Co-Chair Nominations

6. Information Items
   6.1. Regional Waste Flows
   6.2. Industry Advisory Committee 2023 Work Plan
   6.3. Additional Workshop Feedback

References:

1) IAC 2022 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

Co-Chair Craig Hodge called the meeting to order at 2:03 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting.

1. AGENDA

1.1 September 12, 2023 Meeting Agenda

Co-Chair Hodge called for additions or changes to the agenda. No additions were put forward. The Co-Chair extended gratitude to Mary Polak, former IAC Co-Chair, for her dedication to the IAC for the past year, and noted that nominations for a new Co-Chair would be welcomed in Item 5 of the agenda. Participants were reminded to use the Zoom "raised hand" function to provide questions or comments and for voting purposes.

2. MINUTES

2.1 July 11, 2023 Meeting Minutes

No errors or omissions were put forward.

3. REPORTS

3.1 IAC Meeting Procedures

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, referred to the IAC Meeting Procedures report provided with the agenda package and offered comments including:

- Staff will endeavour to post all materials related to Industry Advisory Committee meetings on the webpage one week prior to meetings (the terms of reference states 72 hours)
- Use of Zoom protocols and use of Zoom "raised hand" function to submit questions and to vote
- No virtual option for attendance at designated in-person meetings; observers must also attend in person
- Virtual meetings are live streamed through a link available publicly on the IAC webpage
- Virtual meeting recordings will be posted to the IAC webpage after each meeting
- Third-party note taker will continue to provide the record of the meetings

3.2 Performance Metrics Scope

Terry Fulton, Senior Project Engineer, Metro Vancouver, and Todd Baker, Morrison Hershfield , reviewed a presentation titled "*Performance Metrics Scope – Metro Vancouver's Solid Waste Management Plan Update*", and informed of a study on current and emerging metrics, and what might be applicable to the region. Feedback will be sought from IAC members and other advisory committees

During the presentation, the following was highlighted:

- Background and process
- Vision and guiding principles phase

- Retention of Morrison Hershfield and Delaney to assist through the plan process with both technical and engagement tasks
- Current suite of performance metrics
- Morrison Hershfield's scope of work:
  - Jurisdictional and organizational review to identify and assess potential alternative targets and performance metrics
  - Development of a list of potential performance targets that are meaningful and make sense for the Metro Vancouver region
  - Review of existing Metro Vancouver performance metrics
- Tracking performance through the 5Rs Waste Reduction Hierarchy, reducing greenhouse gas emissions, supporting social equity, increasing education and awareness, and transitioning to a circular economy.

Committee members were asked to provide input on available data, how the scope tied in with the broader goals and objectives of the solid waste management plan, where to focus research, what jurisdictions to include, and what targets and data were important.

During discussion and in response to questions, comments were offered regarding:
- Exploring possible metrics to track social equity
- Ensuring consistent accessibility to services
- Review applicability of metrics used in other jurisdictions
- Consider data privacy in the private sector and implications of requesting data from private facilities
- Accuracy of information

4. OTHER BUSINESS

4.1 Zero Waste Committee Updates

Paul Henderson advised that the Zero Waste Committee meetings are now being livestreamed. The next Zero Waste Committee meeting will be held on September 14, 2023, and will include the following reports: 5.1 *Waste-to-Energy Facility Environmental Monitoring* and *5.2 Reporting 2022 Update* and *Summary of Municipal Waste Collection Service Models*.

In response to a question, it was noted that the July 2023 Zero Waste Committee Meeting had not been recorded; however, the draft meeting minutes were available.

4.2 October Workshop Planning

Stephanie Liu, Senior Engagement Specialist, Metro Vancouver, provided an overview of the in-person Industry Advisory Committee meeting and workshop scheduled for October 3, 2023, noting the workshop will be facilitated by Engage Delaney. The workshop will focus on the smart waste program and the draft Tipping Fee Bylaw updates

IAC members were advised of the opportunity to contact Engage Delaney directly prior to the October 3, 2023 workshop with any comments on how to frame the discussion and make the most of the session.

4.3 2023 IAC Action Tracker and Summarize Meeting Action Items

Paul Henderson referred to the action tracker and provided a progress update.

4.4 Solid Waste Management Plan Public Engagement

Samantha Joy, Engagement Specialist, Solid Waste Services, gave an update on current public engagement opportunities supporting the solid waste management plan update. An email will be sent to Industry Advisory Committee members with more information on scheduled events and how to participate.

4.5 2023 Zero Waste Conference IAC Member Attendance

Committee members were invited to register for the 2023 Zero Waste Conference being held November 1-2, 2023, noting their attendance would be at no cost.

5. CO-CHAIR NOMINATIONS

Co-Chair Hodge called for nominations for the role of Co-Chair of the IAC Industry Advisory Committee. Hearing none, the Co-Chair called a second time for nominations. Hearing none, Co-Chair Hodge called a third time for nominations for the role of Co-Chair. Hearing none, the Chair deferred the Co-Chair nominations and election to the meeting scheduled for October 3, 2023. As per the IAC Terms of Reference, nominations can be made on the same day as the election. Anyone interested in the Co-Chair role is invited to contact Co-Chair Hodge directly.

Prior to the meeting close, Industry Advisory Committee member Ken Carrusca, who was not available to comment during the call for nominations for the IAC Co-Chair, nominated Michael Zarbl to be Co-Chair. Michael Zarbl accepted the nomination.

6. INFORMATION ITEMS

6.1 Regional Waste Flows

6.2 Industry Advisory Committee 2023 Work Plan

6.3 Additional Workshop Feedback

In reference to the information items, the Co-Chair extended thanks for additional feedback received from the June workshop, noting that comments would be included in the report for the Vision and Guiding Principle phase of the update.

Co-Chair Hodge thanked IAC members for their participation and looked forward to seeing them at the October 3, 2023 meeting which would be taking place at the Scandinavian Community Centre in Burnaby at 1:00 p.m.

7. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:54 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, October 3, 2023
1:00 pm – 4:00 pm In-Person Meeting
Scandinavian Community Centre
6540 Thomas Street, Burnaby, BC

A G E N D A

1. AGENDA
- **1.1 October 3, 2023 Meeting Agenda**

2. MINUTES
- **2.1 September 12, 2023 Draft Meeting Minutes**

3. WORKSHOP
- **3.1 Smart Waste Program and Draft Tipping Fees Bylaw Updates**
  Engage Delaney

4. CO-CHAIR ELECTION

5. INFORMATION ITEMS
- **5.1 Draft Tipping Fee Bylaw Updates Discussion Paper**
- **5.2 Smart Waste Program Discussion Paper**
- **5.3 Industry Advisory Committee 2023 Work Plan**

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair

Membership:

Abrams, Izzie - Waste Connections of Canada
Ahmadi, Taufiq – Maple Leaf Disposal
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Collins, James - Tymac Launch Service Ltd.
Coutts, Cindy – Encorp Pacific Canada
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Hankins, Grant – Minibins Canada
Johnson, Gord - Empower Environmental/ Northstar
JansenVandoorn, Josh - Anaconda Systems Ltd.
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Polak, Mary – Waste Connections of Canada
Prasad, Shad - Cascade Recovery +
Sigmund, Sandy – Encorp Pacific Canada
Stefenelli, Nicole - Urban Impact Recycling Inc.
Vargas, Pinky – Republic Services
Victor, Nicole - Covanta
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Joy, Samantha - Metro Vancouver
Henderson, Paul – Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 1:00 PM on October 3, 2023, at Scandinavian Community Centre

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Achilles Mallari, Sierra Waste Services Ltd.
Aiden Kiani, Lock-Block Ltd.
Christian Dietrich, Ecowaste Industries
David Millman, Waste Management Association of Canada
Dimitry Pantazopolous (Alternate for Mary Polak), Waste Connections of Canada
Edwin Berkof, Evergen infrastructure Corp.
Grant Hankins, Mini Bins Canada
Izzie Abrams, Waste Connections of Canada
James Collins, Tymac Launch Service Ltd.
Jamie Kaminski, HSR Zero Waste
Josh JansenVanddorn, Anaconda System Ltd.
Lori Bryan, Waste Management Assoc. of BC
Maya Moucachen, Merlin Plastics
Mike Lannin, Super Save Group
Nicole Victor, Covanta
Ralph McRae, Revolution
Sean Kawakami, Convertus Group
Shad Prasad, Cascade Recovery+

MEMBERS ABSENT

Jacqueline Lotzkar, Pacific Metals Recycling
Gord Johnson, Empower Environmental/ Northstar
Jeremy Crawford, Waste Control Services
Matthew McAra, GFL Environmental Inc.
Ken Carrusca, Cement Association of Canada
Leanne Koehn, Ridge Meadows Recycling Society
Michael Zarbl, Major Appliances Recycling Roundtable
Nicole Stefenelli, Urban Impact Recycling
Pinky Vargas, Republic Services
Sandy Sigmund, Encorp Pacific Canada
Taufiq Ahmadi, Maple Leaf Disposal
Terryl Plotnikoff, Canadian Mattress Recycling

METRO VANCOUVER STAFF:

Chris Allan, Division Manager, Solid Waste Operations
Chris Underwood, Division Manager, Solid Waste Planning
Lynne Vidler, Lead Senior Engineer, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Stephanie Liu, Program Manager, Solid Waste Services
Zeenia Mizan, Communications Officer, Solid Waste Services

WORKSHOP FACILITATION TEAM:

Kristi Merilees, Director, Engagement + Communications, Engage Delaney
Shahla Gulistani, Coordinator, Engagement + Communications, Engage Delaney

PREPARATION OF MINUTES: Shahla Gulistani, Engage Delaney

Solid Waste and Recycling Industry Advisory Committee Meeting

October 3, 2023
1:00 PM – 4:00 PM

Agenda

1. Agenda

   1.1. October 3, 2023 Meeting Agenda

2. Minutes

   2.1. September 12, 2023 Meeting Minutes

3. Workshop

   3.1. Smart Waste Program and Draft Tipping Fee Bylaw Updates Workshop

4. Co-Chair Election

5. Information Items
   5.1. Regional Waste Flows
   5.2. Industry Advisory Committee 2023 Work Plan

References:

1) IAC 2023 Committee Members List: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf
2) IAC Terms of Reference: http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf

Co-Chair Craig Hodge called the meeting to order at 1:04 PM and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting.

1. AGENDA

October 3, 2023, Meeting Agenda

Co-Chair Hodge called for additions or changes in the agenda. It was requested that the Co-Chair election be moved forward before the workshop.

2. MINUTES

September 12, 2023, Meeting Minutes

Co-Chair Hodge called for any errors or omissions in the minutes of the September 12, 2023, Industry Advisory Committee meeting. No additions were put forward.

3. CO-CHAIR ELECTION

The meeting proceeded to agenda item 4, the election of a new co-chair. Michael Zarbl, who was nominated at the September 12, 2023 meeting, was unable to attend but had expressed his willingness to stand for election. Lori Bryan was also nominated for the co-chair position. Lori accepted the nomination. No additional nominations were received, and the nominations were closed with Michael Zarbl and Lori Bryan being nominated.

The election process was explained, including the use of a show of hands, the ability to vote for multiple nominees, and the option for candidates to vote for themselves. Each organization represented had one vote.

A member asked whether a candidate could speak in advance of the election. Co-Chair Hodge agreed this made sense. Lori spoke and emphasized her 13 years of experience as the executive director of the Waste Management Association. She also highlighted her involvement in the original Province-led process that resulted in the establishment of the Industry Advisory Committee. . Lori expressed her commitment to addressing important industry issues and exploring practical solutions.

The election was conducted, and Lori Bryan was declared the new co-chair.

4. WORKSHOP – DRAFT TIPPING FEE BYLAW UPDATES AND SMART WASTE PROGRAM

Kristi Merilees, from Engage Delaney, facilitated a workshop on the draft Tipping Fee Bylaw updates and the smart waste program.

A high-level summary of the feedback received during the workshop will be provided to members. Detailed discussion notes are being retained as part of the full engagement record and will help to inform a revised draft Tipping Fee Bylaw and a draft smart waste implementation plan.

5. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:07 p.m.

Smart Waste Program and Draft Tipping Fee Bylaw Updates Workshop
Solid Waste and Recycling Industry Advisory Committee

Tuesday, October 3, 2023

Workshop Summary – These notes were prepared by Engage Delaney, with input from Metro Vancouver to provide additional information and context.

The following is a summary of what was heard at the October 3, 2023, Solid Waste and Recycling Industry Advisory Committee Workshop on the draft Tipping Fee Bylaw updates and smart waste program. This workshop was a component of a broader engagement program on the two initiatives. Separately, full engagement summary reports will be prepared for each of the draft Tipping Fee Bylaw updates and smart waste program, describing what was heard through engagement and how Metro Vancouver is responding to the feedback through development of a revised draft Tipping Fee Bylaw and a draft smart waste program implementation plan.

Presentation: Overview of the Draft Tipping Fee Bylaw Updates
Speaker: Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver

Paul Henderson provided a presentation on the draft Tipping Fee Bylaw updates, including details about the draft changes, benefits of the generator levy, and timeline/next steps. The draft bylaw includes updates to definitions, record keeping requirements, and exemptions.

Questions from the members related to definitions, and Metro Vancouver responses:

What is the distinction between generator and a hauler under the bylaw and what specifically is a generator?

- Generator: a person who generates Solid Waste, and includes a person who uses the services of a Waste Hauler for the pickup, transport, or delivery of Solid Waste
- Generator Levy: the levy payable by a Generator pursuant to this Bylaw at the rate set out at section 5.1
- Staff referenced the draft Tipping Fee Bylaw text which specifies a definition for Generator
- Staff will review the draft definitions to ensure clarity.

Questions from the members related to exemptions and records management requirements, and Metro Vancouver responses:

Is there anyone presently remitting the generator levy to Metro Vancouver other than through tipping fees?

To date, no hauler has remitted generator levy payments to Metro Vancouver except through tipping fees (as the generator levy is included in the tipping fee). On this basis, it is Metro Vancouver's understanding that all residential and commercial/institutional garbage is being delivered to Metro Vancouver or City of Vancouver solid waste facilities.

The records management requirement language used in the Tipping Fee Bylaw appears similar to the language used in a draft hauler licensing bylaw proposed several years ago, which was not approved by the Province. Has Metro Vancouver considered these issues?
While a detailed line-by-line comparison has not been conducted between the draft bylaw review and the historic proposed hauler licensing bylaw, there has been a thorough review of the draft bylaw provisions. Metro Vancouver has determined that the records management requirements in the draft bylaw are consistent with Metro Vancouver's authority under the *GVS&DD Act*.

Under what authority are the generator levy provisions of the Tipping Fee Bylaw enacted?
The generator levy provisions of the tipping fee bylaw are enacted under the authority of the *GVS&DD Act*.

Is it possible to obtain a copy of the document that grants Metro Vancouver the authority to include this language in the requirements and draft bylaw?
This authority is outlined in the *GVS&DD Act*, and the specific provisions added in 1995. The section of the Act that provides that authority will be shared with Industry Advisory Committee members.

Are municipal haulers that collect multi-family and commercial waste exempt from remitting the generator levy?
No. Provisions with respect to records management and remitting the generator levy apply to municipalities that collect multi-family and commercial/institutional waste. Municipalities collecting single family garbage are exempt from certain record keeping requirements as noted in the draft bylaw.

Is there a way to highlight what constitutes a new requirement and what has been modified regarding record-keeping?
A blackline document highlighting draft changes from the Tipping Fee Bylaw was attached to the July 2023 Zero Waste Committee meeting report on the draft Tipping Fee Bylaw updates. A comparison of the provisions related to records management requirements will be shared with Industry Advisory Committee members. Link: Comparison of Record Keeping Requirements

Are generators required to maintain records and share them with haulers, who would then share them with Metro Vancouver?
The records management requirements apply to haulers, not generators. Under the current and draft bylaw, haulers are responsible for maintaining records.

What rationale underlies the exemption of construction and demolition waste from the generator levy?
The generator levy exemptions for construction and demolition waste, along with source separated recyclables, are included in the current Tipping Fee Bylaw as well as the draft updated Tipping Fee Bylaw. As those materials are primarily managed at private facilities, creating a new fee on those materials would have a significant impact on those industries.

Small Group Discussion:

Industry Advisory Committee members were asked to work in small groups and share their feedback on draft records management requirements.

Questions or concerns regarding the small group discussion, and Metro Vancouver responses:

The information is very specific to each hauler and company and they do not feel comfortable sharing that in the group.

Please share any industry-level feedback or concerns and ways to mitigate those concerns.

Before we give any feedback on the requirements, the main concern is that our records will be out there and might get into the wrong hands.

Metro Vancouver has heard that concern and is looking for ways to mitigate that concern. One potential way is to have the process handled by a third party, or by the Environmental Regulation and Enforcement Group to protect the privacy of that information.

I feel uncomfortable answering any of these questions that are asking for my feedback before I understand the authority that Metro Vancouver has to ask for this type of detailed records and information and understand the licensing language.

Metro Vancouver is confident in having the authority with respect to requiring the records. Metro Vancouver's goal is for the records management requirements to reflect what is required from a bylaw compliance promotion perspective. Metro Vancouver also wants to ensure the requirements make sense from the haulers' perspective operationally.

Concern about expediting the process. It appears that Metro Vancouver already has had all the discussions internally and there is no room for changes. It would have been better to receive these documents first and then have the workshop to address our concerns.

Given the foundational issues with the bylaw, I would suggest for the consideration of this committee that the draft bylaw be presented to the Zero Waste committee and have Metro Vancouver pass it. We will then ask the court to determine whether or not Metro Vancouver has the authority to enforce this bylaw. This is more efficient and tangible than going back and forth.

In this consultation about the proposed bylaw, we are asked questions about what mechanics or metrics we used as opposed to asking about the foundations such as whether or not the generator levy is appropriate. Although the GVS&DD Act states Metro Vancouver has the right to require haulers to maintain records in accordance with the bylaw, it leaves a lot of vagueness in terms of what can or should be collected. You may have the authority but it does not mean it is right or wrong. Therefore, we should have been asked the foundational questions of the appropriateness of the levy.

Given Metro Vancouver advises that currently there is compliance with the generator levy requirements, why is this additional detail required?
Metro Vancouver's goal is to have a robust regulatory framework to ensure that if there is non-compliance with the bylaw provisions, appropriate tools are in place to encourage compliance.

Presentation: Smart Waste Program Overview

Speaker: Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver

Paul Henderson provided a presentation on the smart waste program, describing the following:

- The smart waste program was first introduced in the July 2023 Industry Advisory Committee meeting - involves putting electronic location based devices into publicly accessible multi-family and commercial/ institutional garbage containers. The data from that will be useful for enhancing understanding of the movement of waste around the region, assisting in developing specific planning for the region, and confirming compliance with the generator levy.
- Metro Vancouver seeking feedback to help us understand potential impacts and concerns and ways that we might be able to mitigate the concerns.
- Metro Vancouver will prepare a draft implementation plan that will outline for example how the program will be implemented, the number of devices expected to be used, reporting processes, etc.
- Metro Vancouver will invite written feedback on the draft implementation plan.

Questions or concerns regarding the smart waste program, and Metro Vancouver responses:

Has there been any consideration taken into account that device might fall and get stuck in the truck?
If an electronic device became stuck in a truck, location signals would continue to show movement of the device until the battery ran out – as such, the data would not provide accurate information on the destination or receiving facility of the garbage that was picked up at the same time as the device.

Before I answer questions in terms of feedback on this program, I want to know what type of data you are gathering with this, what frequency, and what it looks like. I would like to see a software demonstration. My concern is that this data would get into the wrong hands. Even if it is collected and kept with a third party it is still out there.
We are not intending to provide specific details of the devices that have been tested; however, we can provide examples of the type of data that is generated. The data will show us the location of the container initially, and then the device starts to move and finally ends up in one location – indicating the receiving facility. There is some information seen on how the trucks move following collection of the garbage, but the information is not precise given the technology available today.

It would be helpful to have a demonstration of the device.
Example data from trials will be shared with Industry Advisory Committee members. Link: Sample Device Data

Has Metro Vancouver finalized a specific technology or software to use yet?

The technology or software may change over time. Currently, devices using AAA alkaline batteries have been tested.

What type of containers/bins will have these devices?

Metro Vancouver expects that the devices would be deposited in publicly accessible residential and commercial/institutional garbage containers. This would include front-end and compacting containers.

Can the devices identify the name on the outside of the containers?

The trackers cannot. The identity of the name on the outside of the containers would be recorded by the person depositing the device in the container.

If future technology improvements make the data more precise, it could potentially harm haulers due to increased information collection.

Metro Vancouver will work to minimize potential impact based on concerns identified through the engagement process.

Are the devices following the trucks or the containers?

The devices provide location information. As such, they would provide information on the original location of the container where they are placed, and the devices would provide location information when they are emptied into a truck with the garbage and delivered to a facility.

Why is this information collected at all and why can't it be collected through less invasive means?

Other options such as vehicles following trucks were considered. Using the electronic devices was concluded to be the most efficient method and determined to have the least environmental impact and to not collect any personal information.

How many devices are going to be used and how long do the devices last?

The July Zero Waste Committee report notes approximately 200 per year could be used. Metro Vancouver's experience is that units can provide data for up to 3-4 months, depending on data broadcast intervals

Can Metro Vancouver consider setting a specific radius for the devices so that they show the general idea of the movement without revealing specific route information?

The information collected, based on the devices tested, has a low level of detail. Metro Vancouver will work towards mitigating the concerns identified to the extent practical.

Is it possible to manually adjust the frequency between signals, or is it pre-set?

The devices have a "heartbeat" (i.e., frequency of transmitting) while not in motion; once they are in motion they transmit as they are moved.

Has Metro Vancouver explored the possibility of having a vehicle follow the trucks around from place to place?

We have looked at a range of options and the electronic devices are the least invasive. The electronic devices are more efficient and collect less information (i.e., no identifying information on the truck or driver) than following trucks.

Concern: this process is less of a consultation and more of a collection of data to justify the decision that has already been made.

Response: A draft implementation plan will be prepared and circulated for written feedback. Metro Vancouver is committed to putting measures in place to mitigate concerns where practical.

Next Steps:

Metro Vancouver will consider engagement feedback from the Industry Advisory Committee and others, in the preparation of a revised draft Tipping Fee Bylaw and draft smart waste program implementation plan. Both will be shared with Industry Advisory Committee members for written comment.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, November 7, 2023
2:00 pm – 4:00 pm
A G E N D A

1. NEW CO-CHAIR INTRODUCTION

2. AGENDA

2.1 November 7, 2023 Meeting Agenda

3. MINUTES

3.1 October 3, 2023 Meeting Minutes

4. REPORTS

4.1 Disposal Ban Program Review
Designated Speakers: Klaryssa Lawrie, Associate, Dillon Consulting
Lynne Vidler, Lead Senior Engineer, Metro Vancouver

5. INDUSTRY ADVISORY COMMITTEE DRAFT 2024 WORK PLAN DEVELOPMENT

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

7. INFORMATION ITEMS

7.1 Regional Waste Flows
7.2 Industry Advisory Committee 2023 Work Plan
7.3 2023 Industry Advisory Committee Action Tracker and Summarize Meeting Action Items
7.4 MVRD Board Report – Report dated October 6, 2023, titled "External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee"
7.5 MVRD Board Report – Report dated October 6, 2023, titled "External Agency Status Report for the Solid Waste Management Plan Public/Technical Advisory Committee"

7.6 Performance Metrics Review Scope of Work

8. NEXT STEPS

8.1 2024 Meeting Schedule

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice Chair
Lori Bryan - Waste Management Association of BC

Membership:

Abrams, Izzie - Waste Connections of Canada
Ahmadi, Taufiq – Maple Leaf Disposal
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Collins, James - Tymac Launch Service Ltd.
Coutts, Cindy – Encorp Pacific Canada
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Hankins, Grant – Minibins Canada
Johnson, Gord - Empower Environmental/ Northstar
JansenVandoorn, Josh - Anaconda Systems Ltd.
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Polak, Mary – Waste Connections of Canada
Prasad, Shad - Cascade Recovery +
Shore, Cynthia - Republic Services
Sigmund, Sandy – Encorp Pacific Canada
Stefenelli, Nicole - Urban Impact Recycling Inc.
Vargas, Pinky – Republic Services
Victor, Nicole - Covanta
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Joy, Samantha - Metro Vancouver
Henderson, Paul – Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, November 7, 2023, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Edwin Berkhof, Evergen Infrastructure Corp
Ken Carrusca, Cement Association of Canada
Jeremy Crawford, Waste Control Services Inc.
Grant Hankins, Waste Management Assoc. of BC
Gord Johnson, Empower Environmental/Northstar
Josh Jansen Vandoorn, Anaconda Systems Ltd.
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Canada Ltd.
Aiden Kiani, Lock-Block Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Mike Lannin, Super Save Group
Achilles Mallari, Sierra Waste Services Ltd.
Matthew McAra, GFL Environmental Inc.
Ralph McRae, Revolution
David Millman, Waste Management Association of Canada
Maya Moucachen, Merlin Plastics
Dimitri Pantazopoulos (Alternate), Waste Connections of Canada
Shad Prasad, Cascade Recovery+
Sandy Sigmund, Encorp Pacific Canada
Nicole Stefenelli, Urban Impact Recycling
Pinky Vargas, Republic Services
Nicole Victor, Covanta
Michael Zarbl, Major Appliances Recycling Roundtable

MEMBERS ABSENT

Taufiq Ahmadi, Maple Leave Disposal
Christian Dietrich, Ecowaste Industries
James Collins, Tymac Launch Service Ltd.
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Terryl Plotnikoff, Canadian Mattress Recycling Inc.

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services
Lynne Vidler, Lead Senior Engineer

GUEST SPEAKER: Klaryssa Lawrie, Associate, Dillon Consulting

PREPARATION OF MINUTES: Sandra Moore, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

November 7, 2023
2:00 PM – 4:00 PM
Zoom

Agenda

1. New Co-Chair Introduction
2. Agenda
   2.1. November 7, 2023 Meeting Agenda
3. Minutes
   3.1. October 3, 2023 Meeting Minutes
4. Reports
   4.1. Disposal Ban Programs Review
5. Industry Advisory Committee Draft 2024 Work Plan Development
6. Other Business
   6.1. Zero Waste Committee Updates
7. Information Items
   7.1. Regional Waste Flows
   7.2. Industry Advisory Committee 2023 Work Plan
   7.3. 2023 Industry Advisory Committee Action Tracker and Summarize Meeting Action Items
   7.4. MVRD Board Report – Report Dated October 6, 2023, titled "External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee"
   7.5. MVRD Board Report – Report dated October 6, 2023, titled "External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee"
   7.6. Performance Metrics Scope of Work
8. Next Steps
   8.1. 2024 Meeting Schedule

Co-Chair Craig Hodge called the meeting to order at 2:01 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee meeting. Participants were reminded to use the Zoom "raise hand" function to provide questions or comments or for any voting that might be required, and to ensure their names were correctly identified in the Participant list.

1. NEW CO-CHAIR INTRODUCTION

Co-Chair Hodge welcomed new Co-Chair Lori Bryan, Waste Management Association of BC. Co-Chair Bryan offered appreciation for being voted in as the Co-Chair and provided background on being part of the Industry Advisory Committee and the history of its conception. It was noted that the active participation from Committee members will help guide the Industry Advisory Committee to serve its intended purpose, develop real solutions, and achieve success.

Co-Chair Hodge commented on preliminary discussions held with Co-Chair Bryan on next steps for the Industry Advisory Committee and remarked on looking forward to working together. Appreciation was extended to Metro Vancouver staff who helped facilitate the recent national Zero Waste Conference.

2. AGENDA

2.1 November 7, 2023 Meeting Agenda

This item was not considered.

3. MINUTES

3.1 October 3, 2023 Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of October 3, 2023.

During ensuing discussion, comments were offered related to:

- Concern that Committee members may not have seen a post, which was uploaded to the Industry Advisory Committee website under the meetings tab for 10/03/2023, titled "*GVS&DD Act Excerpt*", which explains the authority for the generator levy in Section 7B of the *Greater Vancouver Sewerage and Drainage District (GVS&DD) Act*
- Disagreement that Section 7B of the *GVS&DD Act* provides Metro Vancouver the authority to implement the generator levy
- Suggestion that the meeting minutes of October 3, 2023, include:
  - The explanation provided by Paul Henderson, General Manager, Solid Waste Services related to the *GVS&DD Act* (1995), offered during the October 3, 2023, meeting
  - The GVS&DD excerpt (posted to the Industry Advisory Committee website)
- Clarification that providing the GVS&DD excerpt to Committee members (via the post on the Industry Advisory Committee website) was a follow-up of the Action item identified at the October 3, 2023, meeting.

4. REPORTS

4.1 Disposal Ban Program Review

Klaryssa Lawrie, Associate, Dillon Consulting, provided an introduction, referred to a presentation titled "*Disposal Ban Program Review*", and highlighted the purpose, which was to review Metro Vancouver's Disposal Ban Program and determine efficiencies of the inspection program and application of surcharges.

Lynne Vidler, Lead Senior Engineer, Metro Vancouver, referred to a presentation titled "*Metro Vancouver Disposal Ban Program Review*" and highlighted the recommendations from the Consultant and the responding actions Metro Vancouver is taking or is planning to take.

During discussion and in response to questions, comments were offered regarding:

- Confirmation that the visual inspection process provides a good indication of what is in the loads
- Limitations with only inspecting the exterior of a load, and hope to continue the disposal ban program and initiate a pilot to look at other tools to demonstrate the maximizing of recycling
- The balance between adding additional inspectors with the cost incurred; the current level of inspectors ensures that haulers are not intentionally avoiding inspectors
- Surcharges for remediation; the tipping fee bylaw identifies different materials (e.g. hazardous materials have a larger surcharge if remediation is required
- Suggestion that the report is only validating something that is already known, and doubt in the value in bringing in a third-party consultant.

ACTION: *Metro Vancouver staff to remove pictures of Waste Collections of Canada trucks, depicted in the Disposal Ban Program Review Presentation.*

5. INDUSTRY ADVISORY COMMITTEE DRAFT 2024 WORK PLAN DEVELOPMENT

Paul Henderson, General Manager, Solid Waste Services, referred to the Industry Advisory Committee 2023 Work Plan provided with the agenda package and reported on items completed in 2023, items currently in progress, and items proposed to be carried into the 2024 work plan.

Co-Chair Bryan continued the discussion on possible items to be carried forward to the 2024 Industry Advisory Committee Work Plan, including:

- Organics Capacity
- C&D Capacity
- Recycled Product Markets
- Solid Waste Management Plan (SWMP) Update – Idea Generation
- Policy and Competition
- Reuse and Share Ideas.

During discussion on additional topics Industry Advisory Committee Members might want to focus on in 2024, the following topics were raised:

- The future of the Vancouver Landfill and long term planning
- Disposal contracts and how they fit in the disposal matrix within Metro Vancouver
- Recycling statistics, computation, and presentation
- Explanation of the past and future anticipated Solid Waste expenditures budget
- Residual Items Review, which is currently under a draft scope for consultation and will be brought to Committee members for discussion and updates as the study moves forward
- Recycled products markets
- Innovation and options to divert materials out of the region's waste streams, e.g. organics, and helping support other organizations' organics systems
- Future capacity and lifespan of the Waste to Energy facility

Action: *Metro Vancouver to identify the purpose of presentations being added to future Industry Advisory Committee Agendas – for information purposes or for discussion/feedback of Committee members.*

It was noted that internal discussions would ensue with the Industry Advisory Committee Co-Chairs on appropriate next steps to bring the draft 2024 Work Plan forward for the Committee's consideration and that Committee members will be presented with a draft 2024 Work Plan at the January 2024 meeting.

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates

Paul Henderson referred to an onscreen slide and highlighted items being brought forward to the Zero Waste Committee for information or decision:

- Scaling Up Regional Reuse, Repair, and Food Recovery
- 2024 Budget and Five-Year Financial Plan
- North Surrey and Langley Recycling Depot
- Notice of Bylaw Violation and Dispute Adjudication bylaw engagement
- District Energy Waste-to-Energy Facility.

During discussion and in response to questions, comments were offered regarding:

- Suggestion to solicit the expert advice of the IAC Committee members before submitting decision items to the Zero Waste Committee
- Industry Advisory Committee Co-Chairs will be discussing how to increase member participation related to linking its work with that of the Zero Waste Committee
- View that responses to questions about the lifespan and capacity of the Vancouver Landfill are not transparent
- Confirmation that the Zero Waste Committee meetings are open to the public and live-streamed
- The Design and Operations Plan included in the Operational Certificate for the Vancouver Landfill; the remaining life of the landfill depends on the annual deposits

- Suggestion that “less is more” as it relates to the 2024 Work Plan
- Suggestion to dedicate one topic at each IAC meeting for more in-depth discussion, e.g. engage on tipping fees prior to the increases being finalized, landfill closures, plans for the current incinerator, etc.

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 Industry Advisory Committee 2023 Work Plan

7.3 2023 Industry Advisory Committee Action Tracker and Summarize Meeting Action Items

7.4 MVRD Board Report – Report Dated October 6, 2023, titled “External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee”

7.5 MVRD Board Report – Report dated October 6, 2023, titled “External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee”

7.6 Performance Metrics Scope of Work

In reference to the information items, Co-Chair Hodge noted all were attached to the agenda package.

8. NEXT STEPS

8.1 2024 Meeting Schedule

Co-Chair Hodge referred to the proposed 2024 meeting dates included in the agenda package and informed that calendar invitations will be sent out to Industry Advisory Committee members as placeholders.

Industry Advisory Committee Members were thanked for their participation, comments, and feedback. It was noted that the next Industry Advisory Committee meeting would be held on January 9, 2024, via Zoom.

9. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:36 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, January 9, 2024
2:00 pm – 4:00 pm
A G E N D A

1. AGENDA

1.1 January 9, 2024 Meeting Agenda

2. MINUTES

2.1 November 7, 2023 Meeting Minutes

3. REPORTS

3.1 Vancouver Landfill
For information
Designated Speaker: Paul Henderson

4. INDUSTRY ADVISORY COMMITTEE 2024 KEY TOPICS

Small group (virtual breakout room) discussions:

- *Review list of possible key topics for 2024. (Attachment 1)*
  - *Does this list represent the topics you want to focus on for 2024?*
  - *What are your highest priorities?*
  - *Is anything missing?*
- *Share ideas for how IAC can discuss these topics. Possible approaches include:*
  - *Guest presenters*
  - *Member presentations*
  - *Roundtable discussions*
  - *Small group/Breakout sessions*
  - *Working groups/Sub-committees*

5. NEXT STEPS

5.1 2024 IAC Call for Membership Submissions – February 2024
Verbal Update
For information
Designated Speaker: Co-Chair

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates

Verbal Update
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

7. INFORMATION ITEMS

7.1 Regional Waste Flows

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie - Waste Connections of Canada
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Bryan, Lori - Waste Management Association of BC
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Coutts, Cindy – Encorp Pacific Canada
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Hankins, Grant – Minibins Canada
Johnson, Gord - Empower Environmental/ Northstar
JansenVandoorn, Josh - Anaconda Systems Ltd.
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Polak, Mary – Waste Connections of Canada
Prasad, Shad - Cascade Recovery +
Shore, Cynthia - Republic Services
Sigmund, Sandy – Encorp Pacific Canada
Stefenelli, Nicole - Urban Impact Recycling Inc.
Vargas, Pinky – Republic Services
Victor, Nicole - Covanta
Zarbl, Michael - Major Appliances Recycling Roundtable

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Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Joy, Samantha - Metro Vancouver
Henderson, Paul – Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, January 9, 2024, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Edwin Berkhof, Evergen Infrastructure Corp
Ken Carrusca, Cement Association of Canada
Jeremy Crawford, Waste Control Services Inc.
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Aiden Kiani, Lock-Block Ltd.
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Achilles Mallari, Sierra Waste Services Ltd.
Matthew McAra, GFL Environmental Inc.
David Millman, Waste Management Association of Canada
Maya Moucachen, Merlin Plastics
Dimitri Pantazopoulos (Alternate), Waste Connections of Canada
Shad Prasad, Cascade Recovery+
Sandy Sigmund, Encorp Pacific Canada
Nicole Stefenelli, Urban Impact Recycling
Pinky Vargas, Republic Services
Nicole Victor, Covanta

MEMBERS ABSENT

Taufiq Ahmadi, Maple Leave Disposal
James Collins, Tymac Launch Service Ltd.
Sean Kawakami, Convertus Canada Ltd.
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Ralph McRae, Revolution
Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Michael Zarbl, Major Appliances Recycling Roundtable

METRO VANCOUVER (MV) AND CITY OF VANCOUVER STAFF:

Brooke Atkinson, Senior Engagement Specialist, Solid Waste Services, Metro Vancouver
Lynn Belanger, Manager, Transfer and Landfill Operations, City of Vancouver
Nanette van Doorn, Communications and Engagement Consultant
Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver
Samantha Joy, Engagement Specialist, Solid Waste Services, Metro Vancouver
Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, Metro Vancouver
Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver
Zeenia Mizan, Program Assistant, Solid Waste Services

PREPARATION OF MINUTES: Justine Wiklo, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

January 9, 2024
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
   1.1. January 9, 2024 Meeting Agenda
2. Minutes
   2.1. November 7, 2023 Meeting Minutes
3. Reports
   3.1. Vancouver Landfill
4. Industry Advisory Committee 2024 Key Topics
5. Next Steps
   5.1. 2024 IAC Call for Membership Submissions
6. Other Business
   6.1. Zero Waste Committee Updates
7. Information Items
   7.1. Regional Waste Flows

Co-Chair Craig Hodge called the meeting to order at 2:01 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee (Industry Advisory Committee) meeting. Participants were reminded to use the Zoom "raised hand" function to provide questions or comments or for any voting that might be required, and to ensure their names were correctly identified in the Participant list.

1. AGENDA

1.1 January 9, 2024, Meeting Agenda

Co-Chair Hodge reviewed the January 9, 2024 meeting agenda, and advised that the agenda was posted on the Industry Advisory Committee webpage.

2. MINUTES

2.1 November 7, 2023, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of November 7, 2023.

There were no changes or additions to the meeting Minutes of November 7, 2023.

3. REPORTS

3.1 Vancouver Landfill

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided an overview of the Vancouver Landfill, noting the following highlights:

- The City of Vancouver owns and operates the Vancouver Landfill, located in the City of Delta
- The landfill has been in operation since 1966 and is an integral part of the regional solid waste system
- In 2022, residential, commercial, and institutional waste amounted to 1,001,881 tonnes
  - 638,104 tonnes were directed to the landfill
  - 218,260 tonnes were directed to waste-to-energy facilities
  - 145,517 tonnes were directed to contingency disposal
- In addition to the 638,104 tonnes of residential and commercial waste, additional materials such as construction and demolition waste, bottom ash, treatment plant residuals, and marine debris brought the total to 734,396 tonnes in 2022
- The Vancouver Landfill has a Operational Certificate approved capacity of 750,000 tonnes per year
- The total property area of the Vancouver Landfill is 320 Ha

- The following agreements are in place:
  - Tri-partite agreement between the City of Vancouver, Metro Vancouver, and the City of Delta, with a cost-sharing and revenue-sharing framework, expiring in 2037
  - Vancouver-Delta Agreement, which outlines the benefits to the City of Delta from the City of Vancouver, expiring the earlier of 2037, or at 20 million tonnes since 1997
- It is anticipated, based on current fill rates, that the Vancouver Landfill will reach 20 million tonnes in approximately 2030.
- Reducing waste will result in 20 million tonnes being reached later than 2030
- Following expiry of Vancouver Landfill agreements, will continue to manage residual disposal. A short-term option could be increased contingency landfill disposal.
- A study is underway to examine longer-term options on how residual garbage can be managed.
- Across North America, strategies employed following local landfill closure include options for local processing or sending waste to a remote landfill.

ACTION: *A draft scope of a study looking at options for managing residual garbage will be presented at a future Industry Advisory Committee meeting.*

4. INDUSTRY ADVISORY COMMITTEE 2024 KEY TOPICS

Co-Chair Bryan introduced a list of discussion topics that emerged from members' discussion at the November meeting and noted that the Committee would split into virtual breakout groups to discuss and provide feedback on additional topics of interest and the approach for delivery in Industry Advisory Committee meetings.

Committee members were asked to consider the following in their breakout groups:

- Review list of possible key topics for 2024:
  - Does this list represent the topics you want to focus on for 2024?
  - What are your highest priorities?
  - Is anything missing?
- Share ideas for how IAC can discuss these topics. Possible approaches include:
  - Guest presenters
  - Member presentations
  - Roundtable presentations
  - Small group/breakout sessions
  - Working groups/sub-committees.

Discussion Group 1 reported the following discussion highlights:

- Key topics included recycled product markets, concrete recycling, and reducing construction and demolition waste
- While recycling of demolition waste is important, demolition should be avoided more often
- Proper labelling around recycling is also important to ensure that recyclables are being brought back into the economy

- The priority for re-use should be expanded to all areas of waste, and incorporated into policy
- More public engagement is needed to educate on the need for compost facilities in Metro Vancouver to reduce public concerns over new facilities opening
- Presentations and guest presenters could be a good approach to working on these topics
- Interested in smaller breakout groups, or working groups for specific issues

Discussion Group 2 reported the following discussion highlights:

- Topics on the list were comprehensive and covered the interests of the group
- Based on the presentation on the Vancouver Landfill, it will be critical to look at the Vancouver Landfill and capacity, moving materials from waste to organics and recycling
- Member-driven approaches should be prioritized
- Presentations are needed to give the Industry Advisory Committee information, which can then lead to a working group or sub-committee for further discussion
- Agendas should be posted with enough time in advance for members to review the information
- There needs to be a clear focus from the start on the goal of each discussion and/or report

Discussion Group 3 reported the following discussion highlights:

- There are three overarching topics identified as extremely important:
    - The Vancouver Landfill closure and replacement strategy plan:
        - The Industry Advisory Committee needs to understand the issue and be involved at an early stage in the process, as there is a lot of expertise and knowledge that can support the strategy and plan
    - The overall infrastructure in the disposal, recycling, and recovery network, and long-term strategies to handle materials
    - Good policy and regulation that allows the industry to invest in and build infrastructure.

Discussion Group 4 reported the following discussion highlights:

- A significant issue is the solid waste management plan update, particularly with the landfill reaching capacity, many of the solutions can take 10-15 years to implement and will need to be addressed sooner rather than later
- Construction and demolition waste management strategies
- Insufficient organics processing capacity is a major consideration. Insufficient capacity leads to disposal of organics which compounds the issue of disposal capacity
- Need standardization of bylaws for organics processing across different municipalities.
- Incentives for producers to reduce packaging
- The list of topics needs to be narrowed down to ensure the priority topics can be discussed in adequate detail.

Paul Henderson enquired what approaches for discussion topics had been identified in Groups 3 and 4, and the following comments were offered:

- Member and guest presentations and roundtables to bring expertise to benefit Metro Vancouver

- There is uncertainty if sub-committees would be effective, but there is value in having discussions within the group rather than bringing in more consultants and external voices.

Co-Chair Bryan advised that the listed topics would be prioritized based on the discussion groups.

ACTION: *A draft 2024 work plan will be presented at the next Industry Advisory Committee meeting in February 2024.*

5. NEXT STEPS

5.1 2024 IAC Call for Membership Submissions

Co-Chair Hodge advised that the call for membership submissions would be sent out by email to Industry Advisory Committee members and contacts in the waste and recycling industry at the end of January 2024. Those interested in being part of the 2024 Solid Waste and Recycling Industry Advisory Committee must complete an online form (Statement of Interest) to continue as a member of the Committee. The first meeting of the 2024 Industry Advisory Committee will be on March 5, 2024.

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates

Paul Henderson provided an update from the Zero Waste Committee, noting the following highlights:

- The Zero Waste Committee will meet on January 11, 2024 — the meeting agenda has been posted online
- The agenda includes the Zero Waste Committee Work Plan, which is in alignment with the budget report from October 2023
- The executive summary of this Work Plan has the following key items to be considered:
  - The solid waste management plan update is in the idea generation phase. The draft vision and guiding principles will go to the Zero Waste Committee in the spring.
  - With the addition of recycling depots in North Surrey and Langley, there will need to be engagement with the Industry Advisory Committee and other industry stakeholders in the design and construction planning for the depots
  - The Reuse Days pilot with Urban Repurpose was a success, with as much as 300 kilograms per hour of materials for reuse being dropped off at pop-up events
  - Alternative fuel pilot is being planned for small-load waste
  - The District Energy System will increase the energy efficiency of the Waste-to-Energy Facility by providing heat and hot water communities in Vancouver and Burnaby
  - A carbon capture feasibility study is beginning for the Waste-to-Energy Facility
  - Enhancements to the School Tours program are underway

7. INFORMATION ITEMS

7.1 Regional Waste Flows

In reference to the information items, Co-Chair Hodge noted all were attached to the agenda package.

8. ADJOURNMENT

Co-Chair Hodge thanked Industry Advisory Committee members for their participation, comments, and feedback, and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on February 6, 2024.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:02 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, February 6, 2024
2:00 pm – 4:00 pm
A G E N D A

1. AGENDA

1.1 February 6, 2024 Meeting Agenda

2. MINUTES

2.1 January 9, 2024 Meeting Minutes

3. DRAFT 2024 IAC WORK PLAN – VOTING ITEM (See information item 7.2)

4. REPORTS

4.1 Concrete and Asphalt Recycling Opportunities Review
For input/feedback
Designated Speakers: Paul Henderson, Metro Vancouver and Eva Robertson, Morrison Hershfield

3.2 Residuals Management Options Review
For input/feedback
Designated Speakers: Paul Henderson, Metro Vancouver, Todd Baker and Curtis Jung, Morrison Hershfield

5. NEXT STEPS

5.1 2024 IAC Membership Call for Submissions – Submission date February 16, 2024
For information
Designated Speaker: Lori Bryan, Industry Advisory Committee Co-Chair

5.2 Waste-to-Energy Facility Tour Opportunity
For input/feedback
Designated Speaker: Lori Bryan, Industry Advisory Committee Co-Chair

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates

For information

Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

7. INFORMATION ITEMS

7.1 IAC January 2024 Meeting – Small Groups Discussion Feedback Summary

7.2 2024 Draft Work Plan

7.3 Regional Waste Flows

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie - Waste Connections of Canada
Ahmadi, Taufiq – Maple Leaf Disposal
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori - Waste Management Association of BC
Carrusca, Ken - Cement Association of Canada
Collins, James - Tymac Launch Service Ltd.
Coutts, Cindy – Encorp Pacific Canada
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Hankins, Grant – Minibins.com Canada
Johnson, Gord - Empower Environmental/ Northstar
JansenVandoorn, Josh - Anaconda Systems Ltd.
Kaminski, Jamie - HSR Zero Waste
Kawakami, Sean - Convertus Group
Kiani, Aiden - Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline - Pacific Metals Recycling Inc.
Mallari, Achilles - Sierra Waste Services Ltd.
McAra, Matthew – GFL
McRae, Ralph – Revolution
Millman, David - Waste Management of Canada
Moucachen, Maya - Merlin Plastics
Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Polak, Mary – Waste Connections of Canada
Prasad, Shad - Cascade Recovery +
Shore, Cynthia - Republic Services
Sigmund, Sandy – Encorp Pacific Canada
Stefenelli, Nicole - Urban Impact Recycling Inc.
Vargas, Pinky – Republic Services
Victor, Nicole - Covanta
Zarbl, Michael - Major Appliances Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Joy, Samantha - Metro Vancouver
Henderson, Paul – Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, February 6, 2024, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Edwin Berkhof, Evergen Infrastructure Corp
Ken Carrusca, Cement Association of Canada
Jeremy Crawford, Waste Control Services Inc.
Christian Dietrich, Ecowaste Industries
Grant Hankins, Waste Management Assoc. of BC
Josh Jansen Vandoorn, Anaconda Systems Ltd.
James Collins, Tymac Launch Service Ltd.
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Canada Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Mike Lannin, Super Save Group
Achilles Mallari, Sierra Waste Services Ltd.
Matthew McAra, GFL Environmental Inc.
Ralph McRae, Revolution
David Millman, Waste Management Association of Canada
Sandy Sigmund, Encorp Pacific Canada
Pinky Vargas, Republic Services
Michael Zarbl, Major Appliances Recycling Roundtable

MEMBERS ABSENT

Taufiq Ahmadi, Maple Leave Disposal
Gord Johnson, Empower Environmental/Northstar
Aiden Kiani, Lock-Block Ltd.
Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Maya Moucachen, Merlin Plastics
Dimitri Pantazopoulos (Alternate), Waste Connections of Canada
Shad Prasad, Cascade Recovery+
Nicole Stefenelli, Urban Impact Recycling
Nicole Victor, Covanta

GUEST SPEAKERS:

Todd Baker, Morrison Hershfield
Eva Robertson, Morrison Hershfield

METRO VANCOUVER (MV) AND CITY OF VANCOUVER STAFF:

Allen Jensen, Senior Engineer, Solid Waste Services
Chris Underwood, Division Manager, Solid Waste Planning
Lynne Vidler, Senior Engineer, Solid Waste Services
Nanette van Doorn, Communications and Engagement Consultant, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Stephanie Liu, Program Manager, Community Engagement
Terry Fulton, Senior Engineer, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services

PREPARATION OF MINUTES: Justine Wiklo, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

February 6, 2024
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
   1.1. February 6, 2024, Meeting Agenda
2. Minutes
   2.1. January 9, 2024, Meeting Minutes
3. Draft IAC Work Plan – Voting Item
4. Reports
   4.1. Concrete and Asphalt Recycling Opportunities Review
   4.2. Residuals Management Options Review
5. Next Steps
   5.1. 2024 IAC Call for Membership Submissions
   5.2. Waste-To-Energy Facility Tour Opportunity
6. Other Business
   6.1. Zero Waste Committee Updates
7. Information Items
   7.1. IAC January 2024 Meeting – Small Groups Discussion Feedback Survey
   7.2. 2024 Draft Work Plan
   7.3. Regional Waste Flows

Co-Chair Lori Bryan called the meeting to order at 2:03 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting. Participants were reminded to use the Zoom "raise hand" function to provide questions or comments or for any voting that might be required, and to ensure their names were correctly identified in the participant list.

1. AGENDA

1.1 February 6, 2024, Meeting Agenda

Co-Chair Bryan reviewed the February 6, 2024, meeting agenda. No additions were made.

2. MINUTES

2.1 January 9, 2024, Meeting Minutes

Co-Chair Bryan called for any additions or changes to the meeting Minutes of January 9, 2024.

There were no changes or additions to the meeting Minutes of January 9, 2024.

3. DRAFT 2024 IAC WORK PLAN – VOTING ITEM

Co-Chair Bryan noted that during the discussion groups at the January 9, 2024, Industry Advisory Committee meeting, Committee members had the opportunity to report back with input and recommendations for the 2024 Industry Advisory Committee Work Plan. The Draft Work Plan was shared on screen, with descriptions of how each item would be approached.

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, noted that this is a draft developed with feedback from the small-group breakout room discussions in the previous meeting. Additional comments were offered regarding:

- It is up to the committee to determine how they want to approach topic areas. The draft work-plan shows a range of topics and a potential approach for exploring the issues.
- There are some items that make sense for small group discussions, some for plenary sessions, and staff's suggestion is that the issue of residuals management/competition would be best dealt with through a working sub-group.

Co-Chair Bryan invited the Industry Advisory Committee members to note any additions or amendments to the draft work plan. Discussion ensued, and the following comments were offered:

- Suggestion that four additional topics be added to the 2024 Work Plan:
  - Disposal contracts, recycling statistics, generator levy, and solid waste capital programs
- Comment that the solid waste management plan update progress could be highlighted in the 2024 Work Plan and its timeline could be accelerated
- Clarification that the solid waste management plan update is currently in the Vision and Guiding Principles phase and that it will soon be moving to Idea Generation
- The draft Vision and Guiding Principles for the solid waste management plan update is planned to be presented to the Industry Advisory Committee at the April 2024 meeting

- Procurement processes and capital budget expenditures were added to the list of items for discussion by a working group, in combination with the generator levy, long-term disposal planning, and other related topics.
- Advancing Circular Economy could be considered as its own topic
- It is important to understand how recycling statistics are calculated
- In response to a member query on a deadline for the updated solid waste management plan, it was advised that there is no specific deadline, but the expectation is that the update will take an additional two to three years
- Concern that as large-scale solid waste projects are underway, these could be affected by the solid waste management plan update, and the long timeline could result in a misalignment:
  - Any projects underway are under the current solid waste management plan, and the updated plan is intended to enhance the existing one
- The prioritization of the solid waste management plan update timeline could be included for discussion, to identify how this work can be accelerated

It was MOVED and SECONDED
That the Solid Waste and Recycling Industry Advisory Committee approve the following additions to the 2024 Work Plan:

- Separation of Advancing Circular Economy to its own item
- Addition of Contingency Disposal Procurement Process, Generator Levy, and Capital Expenditures
- Addition of, Prioritizing the Timeline for the solid waste management plan update.

CARRIED

It was MOVED and SECONDED
That the Solid Waste and Recycling Industry Advisory Committee approve the 2024 Work Plan as amended.

CARRIED

4. REPORTS

Paul Henderson introduced Eva Robertson and Todd Baker from Morrison Hershfield, who have been contracted to provide consulting services on two studies to be presented to the Industry Advisory Committee for feedback and involvement.

4.1 Concrete and Asphalt Recycling Opportunities Review

Eva Robertson provided a presentation titled, "*Concrete and Asphalt Recycling Opportunities Review*", with the following highlights:

- Purpose of the presentation is to review the draft scope of work, get feedback and input, and identify opportunities for involvement from Industry Advisory Committee members
- The objective of the study is to identify options to reduce the downcycling of concrete and asphalt waste, by identifying barriers and solutions
- The study will determine best practices and leading-edge opportunities, while assessing the business case and related risks
- In 2021, 1.2 million tonnes of concrete and asphalt were recycled, with a recycling rate of 98%
- Proposed tasks include:

- A literature review on local regulations, bylaws, and standards
- Interviews and a workshop with industry representatives
- Business case report

4.2 Residuals Management Options Review

Todd Baker provided a presentation titled, "*Residual Waste Management Options Review*", with the following highlights:

- The purpose of this presentation is to gather feedback on the draft scope of work, and to communicate opportunities for Industry Advisory Committee member engagement
- For the purposes of this study, Residual Waste is defined as all residential and commercial/institutional waste remaining after the 3R's, and this study specifically looks at commercial, residential, and institutional waste
- There are approximately one million tonnes of residential, commercial and institutional waste per year that requires disposal, and the primary disposal facilities are the Waste-to-Energy Facility, the Vancouver Landfill, and three remote landfills
- Proposed tasks include:
  - A high level literature review to examine international best practices, approaches, and trends in similar regions with similar demographics
  - Methods of managing garbage in comparable jurisdictions will be reviewed, while compiling information on costs, risks, and greenhouse gas emissions
  - Case studies will be prepared to examine historical and current non-traditional, alternative technologies for waste management
  - Define the goals and key considerations for various approaches
  - Develop criteria for the evaluation of new/emerging technologies

Paul Henderson advised that while mass burning and traditional landfill techniques are not being examined under the case studies, they will still be considered as options for the region.

5. NEXT STEPS

5.1 2024 IAC Call for Membership Submissions

Co-Chair Bryan advised that an email had been sent to all Industry Advisory Committee members and waste and recycling industry contacts on January 25, 2024, with a call for membership submissions for the 2024 committee. An additional email will be sent out as a reminder. Those interested in being part of the 2024 Solid Waste and Recycling Industry Advisory Committee will need to reapply to be part of the 2024 Committee. The first meeting with the 2024 IAC will be on March 5, 2024.

5.2 Waste-to-Energy Facility Tour Opportunity

Paul Henderson advised that the Public and Technical Advisory Committee had expressed interest in a tour of the Waste-to-Energy Facility and that staff would like to extend the same opportunity to Industry Advisory Committee members. Further details will be provided at the next meeting. If there are only a few members interested in touring the facility then they can join the Public/Technical Advisory Committee tour.

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates

Paul Henderson provided an update from the Zero Waste Committee, noting the following highlights:

- Multi-family waste reduction has been added to the Work Plan
- There is information available on the Textiles Reduction Campaign, and the Zero Waste Conference Report
- The Manager's Report references an opportunity to provide written feedback on the updated draft Tipping Fee Bylaw updates and draft smart waste program implementation plan.
- Links to the drafts have been distributed, and there is an opportunity for additional written feedback over the next approximately 4 weeks.

Discussion ensued, and the following comments were offered:

- Members expressed concern with Metro Vancouver proceeding with Tipping Fee Bylaw updates and the smart waste program while in parallel engaging with Industry Advisory Committee members.
- The Generator Levy has been in place since 2018. Metro Vancouver has assessed that it does not require approval from the Minister of Environment
- Concern regarding communications around the Tipping Fee Bylaw and the smart waste program
- It was advised that both projects are proceeding as communicated

Co-Chair Bryan invited Industry Advisory Committee members to review the Zero Waste Committee Reports, and to ask for any clarification or provide feedback through Metro Vancouver staff.

7. INFORMATION ITEMS

7.1 IAC January 2024 Meeting – Small Groups Discussion Feedback Summary

7.2 2024 Draft Work Plan

7.3 Regional Waste Flows

In reference to the information items, Co-Chair Bryan noted all were attached to the agenda package.

8. ADJOURNMENT

Co-Chair Bryan thanked Industry Advisory Committee members for their participation, comments, and feedback, and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on March 5, 2024, via Zoom Video Conference.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:33 p.m.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, March 5, 2024
2:00 pm – 4:00 pm
A G E N D A

1. 2024 INDUSTRY ADVISORY COMMITTEE INTRODUCTIONS AND WELCOME

2. AGENDA

2.1 March 5, 2024 Meeting Agenda

3. MINUTES

3.1 February 6, 2024 Meeting Minutes

4. REPORTS

4.1 Integrated Solid Waste and Resource Management Plan Biennial Report
For input/feedback
Designated Speaker: Terry Fulton, Senior Project Engineer, Metro Vancouver

5. OTHER BUSINESS

5.1 IAC Facility Tour Opportunity
Verbal Update, Menti Meter
Designated Speaker: Samantha Joy, Engagement Specialist, Metro Vancouver

5.2 Zero Waste Committee and Other Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Metro Vancouver

6. CO-CHAIR NOMINATIONS

7. INFORMATION ITEMS

7.1 Regional Waste Flows – February

7.2 2024 Solid Waste and Recycling industry Advisory Committee Work Plan

7.3 2024 Solid Waste and Recycling Industry Advisory Committee Members

7.4 2024 Solid Waste and Recycling Industry Advisory Committee Meeting Schedule

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori – Waste Management Association of BC
Carrusca, Ken – Cement Association of Canada
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
Dimant, Jen – Capital Salvage
Gontovnick, Jeff – 1-800-GOT-JUNK?
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Jessa, Imran – Delta Textiles Exporters Inc.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kiani, Aiden – Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McAra, Matthew – GFL Environmental Inc.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Scaldaferri, Fabio – Pacific Mattress Recycling Inc.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Turner, John – BC Biocarbon Ltd.
Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
Vargas, Pinky - Republic Services
Young, Stewart, GFL Environmental Inc.
Zarbl, Michael - Major Appliance Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Joy, Samantha - Metro Vancouver
Henderson, Paul – Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, March 5, 2024, via Zoom Video Conference.

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Abrams, Izzie, Waste Connections of Canada
Berkhof, Edwin, Evergen Infrastructure Corp.
Carrusca, Ken, Cement Association of Canada
Crawford, Jeremy, Waste Control Services
Diamant, Jen, Capital Salvage
Dietrich, Christian, Ecowaste Industries
Hankins, Grant, Canada Minibins.com Ltd.
JansenVandoorn, Josh, Anaconda Systems Ltd.
Kaminski, Jamie, HSR Zero Waste
Kiani, Aiden, Lock-Block Ltd.
Koehn, Leanne, Ridge Meadows Recycling Society
MacNeil, Patrick, Wescan Disposal Ltd.
MacFarlane, Angus, Growing City
Mallari, Achilles, Sierra Waste Services Ltd.
McAra, Matthew, GFL Environmental Inc.
McRae, Ralph, Revolution Infrastructure Inc.
Millman, David, Waste Management of Canada Corp.
Moucachen, Maya, Merlin Plastics
Pantazopoulos, Dimitri, Waste Connections of Canada
Prasad, Shad, Cascade Recovery +
Sigmund, Sandy, Encorp Pacific Canada, Return-It
Turner, John, BC Biocarbon Ltd.
Van de Wetering, Jasper, Heidelberg Materials Canada Ltd.
Vargas, Pinky, Republic Services
Young, Stewart, GFL Environmental Inc.

MEMBERS ABSENT

Collins, James, Tymac Launch Service Ltd.
Deol, Harwant, Super Save Group
Gontovnick, Jeff, 1-800-GOT-JUNK?
Jessa, Imran, Delta Textiles Exporters Inc.
Johnson, Gord, Northstar
Kawakami, Sean, Convertus Canada Ltd.
Lannin, Mike, Super Save Group
Scaldaferri, Fabio, Pacific Mattress Recycling Inc.
Zarbl, Michael, Major Appliance Recycling Roundtable

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Services
Zeenia Mizan, Program Assistant, Solid Waste Services
Nanette van Doorn, Engagement and Communications Consultant, Solid Waste Services

PREPARATION OF MINUTES: Justine Wiklo, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

March 5, 2024
2:00 PM – 4:00 PM
Zoom

Agenda

1. Welcome and Introductions

2. Agenda
   2.1. March 5, 2024, Meeting Agenda

3. Minutes
   3.1. February 6, 2024, Meeting Minutes

4. Reports
   4.1. Integrated Solid Waste and Resource Management Plan Biennial Report

5. Other Business
   5.1. IAC Facility Tour Opportunity
   5.2. Zero Waste Committee Updates

6. Co-Chair Nominations

7. Information Items
   7.1. Regional Waste Flows – February
   7.2. 2024 Solid Waste and Recycling industry Advisory Committee Work Plan
   7.3. 2024 Solid Waste and Recycling Industry Advisory Committee Members

Co-Chair Craig Hodge called the meeting to order at 2:01 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting. Participants were reminded to use the Zoom "raised hand" function to provide questions or comments or for any voting that might be required, and to ensure their names were correctly identified in the Participant list.

1. INTRODUCTION AND WELCOME

Co-Chair Hodge welcomed new Industry Advisory Committee members and thanked returning members for their continued interest. Industry Advisory Committee members were reminded to submit their conflict statements, which are available on the Industry Advisory Committee webpage. Members are not permitted to vote on decision items without a signed conflict statement.

Co-Chair Lori Bryan facilitated a round of self-introductions.

Co-Chair Bryan advised that the Industry Advisory Committee will meet seven times in 2024, and three of those meetings will take place in person. The Terms of Reference were reviewed, and highlighted the importance of working constructively and collaboratively, and to be mindful of the Code of Conduct.

2. AGENDA

2.1 March 5, 2024, Meeting Agenda

Co-Chair Hodge reviewed the March 5, 2024, meeting agenda. No additions were made.

3. MINUTES

3.1 February 6, 2024, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of February 6, 2024. There were no changes or additions to the meeting Minutes of February 6, 2024.

4. REPORTS

4.1 Integrated Solid Waste and Resource Management Plan Biennial Report

Terry Fulton, Senior Project Engineer, Metro Vancouver, reviewed the Integrated Solid Waste and Resource Management Plan Biennial Report, noting the following highlights:

- The 2022 Annual report is combined with the Biennial report
- Biennial report includes recycling and waste data, waste prevention and reduction initiatives underway including the Food Recovery Network, Reuse Days, and Repair Cafes, updates on new Recycling and Waste Centres in Metro Vancouver, and details about the Waste-to-Energy Facility District Energy Project.
- The 2022 recycling rate is 65%, which is the same as 2021; however, there has been a decrease in waste generation
- The 35% disposed has been further separated to disposal facility and further split up by sector
- Reported concrete and asphalt numbers are unchanged from 2021, due to challenges in verifying increases in recycling quantities from private facilities

- The recycling rate is increasing, as waste generation is decreasing; however, these trends have leveled out in recent years.
- In 2022, the residential sector has seen an overall decrease in waste generation; however, the commercial sector has seen an increase as employees return to offices following the COVID pandemic
- It is difficult to get a reuse estimate; however, it is hoped that the methodology for this will improve through a performance metrics review being conducted by Morrison Hershfield. Reuse quantities are not included in the recycling calculations.
- Definitions in the report are based on the *British Columbia Environmental Management Act*
- The term “recycling rate” is used instead of “diversion rate”, as diversion rate is defined differently amongst jurisdictions, and the term "recyclables” is defined in the *Environmental Management Act*
- Based on feedback, the updated report format includes detailed methodology, assumptions, data sources, and construction and demolition recycling rates
- The next step is to present the report to the Public/Technical Advisory Committee for feedback, then present to the Zero Waste Committee. The report and feedback summary will then be submitted to the BC Ministry of Environment and Climate Change Strategy for review.

During discussion, the following comments were offered:

- This is the 2022 Biennial Report, with data from 2021 to 2022
- The 2021 Biennial Report refers to data from 2020 to 2021
- The Biennial Report is required by the Ministry of Environment and Climate Change Strategy
- Questions on how landfill cover materials specifically ground wood are accounted for. Landfill cover materials including ground wood are not included as recycling or disposal. Some communities do count landfill cover as recycling. Detail on how landfill cover is treated will be included in reporting to the Zero Waste Committee and Board.

5. OTHER BUSINESS

5.1 IAC Facility Tour Opportunity

Samantha Joy, Engagement Specialist, Metro Vancouver, advised that the June 11, 2024, Industry Advisory Committee meeting will be a shorter meeting followed by an optional tour of either the Waste-to-Energy Facility, the Vancouver Landfill, or the United Boulevard Facility.

A poll was conducted on Menti Meter, and the majority of participants selected the Waste-to-Energy Facility for the June 11, 2024, tour. It was noted that there will be other opportunities to tour the additional facilities in the future.

5.2 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Solid Waste Services, provided an update from the Zero Waste Committee, noting the following highlights:

- The March Zero Waste Committee Meeting was cancelled, and the next meeting will take place in April 2024

- The Waste Management Association of BC conference was in February 2024, and there was consideration on the hazardous materials such as bear spray, lithium-ion batteries, and vapes that have caused a number of fires in facilities
- There is a need to address the impact of hazardous materials, and a workshop is being considered to bring relevant parties together including waste industry, product stewards, and local governments
- A residuals management working sub-group with voluntary participation is also being put together, which will cover a range of topics including long-term disposal planning, competition, the generator levy, procurement, and capital budget
- A request will be sent out for Industry Advisory Committee members who are interested in participating in the working sub-group.

6. CO-CHAIR NOMINATIONS

Co-Chair Hodge advised that as per the Terms of Reference, the committee is to nominate a Co-Chair to be elected on April 9, 2024. Lori Bryan was nominated by Grant Hankins and accepted the nomination. Additional nominations can be made at the April 9 meeting from the floor.

7. INFORMATION ITEMS

7.1 Regional Waste Flows – February

7.2 2024 Solid Waste and Recycling Industry Advisory Committee Work Plan

7.3 2024 Solid Waste and Recycling Industry Advisory Committee Members

In reference to the information items, Co-Chair Hodge noted all were attached to the agenda package. Waste flows are published after the agenda package and are available just before the meeting each month.

ADJOURNMENT

Co-Chair Hodge thanked Industry Advisory Committee members for their participation, comments, and feedback, and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on April 9, 2024, in-person

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:01 p.m.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, April 9, 2024
1:00 pm – 4:00 pm
A G E N D A

1. AGENDA

1.1 April 9, 2024 Meeting Agenda

2. CO-CHAIR OPENING COMMENTS

3. MINUTES

3.1 March 5, 2024 Meeting Minutes

4. CO-CHAIR ELECTION

5. Industry Advisory Committee Residuals Management Working Group – Work Plan Item Follow-Up Discussion
For input/feedback
Designated Speakers: Co-Chair Bryan and Co-Chair Hodge

6. REPORTS

6.1 Solid Waste Management Plan – Draft Vision and Guiding Principles
For input/feedback – Small group discussions
Designated speakers: Terry Fulton, Senior Engineer, Metro Vancouver and Stephanie Liu, Program Manager, Community Engagement, Metro Vancouver
Suggested discussion questions:

- Any comments on the draft vision statement?
- Any comments on the draft guiding principles? Is there anything that should be added or removed?

6.2 Draft Issue/Opportunity Discussion Questions– Idea Generation
Designated speakers: Terry Fulton, Senior Engineer, Metro Vancouver and Veronica Bartlett, Morrison Hershfield (now Stantec)
For input/feedback – small group discussions
Suggested discussion question:

- Any comments on the draft issue/opportunity discussion questions? Is there anything that should be added or removed?

7. OTHER BUSINESS

7.1 Zero Waste Committee and Other Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Metro Vancouver

7.2 IAC May Meeting Date Potential Conflict
For input/feedback
Designated Speaker: Co-Chair Lori Bryan

8. INFORMATION ITEMS

8.1 Regional Waste Flows – March
8.2 2024 Solid Waste and Recycling Industry Advisory Committee Meeting Schedule
8.3 DRAFT – 2024 Industry Advisory Committee Member Biographies
8.4 Vision and Guiding Principles - Industry Advisory Committee Workshop Summary
8.5 Industry Advisory Committee 2024 Work Plan
8.6 DRAFT - Residuals Management Working Group Terms of Reference

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:
Abrams, Izzie – Waste Connections of Canada
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori – Waste Management Association of BC
Carrusca, Ken – Cement Association of Canada
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
Diamant, Jen – Capital Salvage
Gontovnick, Jeff – 1-800-GOT-JUNK?
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Jessa, Imran – Delta Textiles Exporters Inc.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kiani, Aiden – Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McAra, Matthew – GFL Environmental Inc.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Scaldaferri, Fabio – Pacific Mattress Recycling Inc.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Turner, John – BC Biocarbon Ltd.
Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
Vargas, Pinky - Republic Services
Young, Stewart, GFL Environmental Inc.
Zarbl, Michael - Major Appliance Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Doorn, Nanette van – Metro Vancouver
Joy, Samantha - Metro Vancouver
Henderson, Paul – Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Minutes of the Solid Waste and Recycling Industry Advisory Committee held at 1:00 p.m. on Tuesday, April 9, 2024, in person at the Anvil Centre, 777 Columbia Street, New Westminster, British Columbia.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Lori Bryan, Waste Management Association of BC (Co-Chair)
Edwin Berkhof, Evergen Infrastructure Corp.
Glen Furtado, The Cement Association of Canada
Jeff Gontovnick, 1-800-GOT-JUNK? Fraser Valley
Grant Hankins, Canada Minibins.com Ltd
Josh JansenVandoorn, anaconda-systems-limited
Gord Johnson, Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Canada Ltd.
Aiden Kiani, Lock-Block Ltd
Mike Lannin, Super Save Group of Companies
Angus MacFarlane, Growing City
Patrick Mac Neil, Wescan Disposal Ltd. (1998)
Achilles Mallari, Sierra Waste Services Ltd.
Ralph McRae, Revolution Infrastructure Ltd.
David Millman, Waste Management of Canada Corporation
Dimitri Pantazopoulos, Waste Connections Canada/Maple Leaf Strategies
Sandy Sigmund, Encorp, Return-It
John Turner, BC Biocarbon Limited
Jasper Van De Wetering, Heidelberg Materials Canada Limited
Pinky Vargas, Republic Services
Michael Zarbl, Major Appliance Recycling Roundtable

MEMBERS ABSENT

Izzie Abrams, Waste Connections of Canada
James Collins, Tymac Launch Service Ltd
Jeremy Crawford, Waste Control Services Inc.
Harwant Deol, Super Save Group
Christian Dietrich, Ecowaste Industries
Jen Dimant, Capital Salvage
Imran Jessa, Delta Textiles Exporters Inc.
Leanne Koehn, Ridge Meadows Recycling Society
Matthew McAra, GFL Environment Inc
Maya Moucachen, Merlin Plastics
Shad Prasad, Cascade Recovery+
Fabio Scaldaferri, Pacific Mattress Recycling Inc.
Stewart Young, GFL Environmental

OBSERVERS

Lynne Belanger, City of Vancouver
Ken Carrusca, The Cement Association of Canada
Cassandra Caunce, Ministry of Environment and Climate Change Strategy
Sue Maxwell, Zero Waste BC
Maxwell McMullin, Trash-It Junk Removal

CONSULTANT

Veronica Bartlett, Morrison Hershfield (now Stantec)

METRO VANCOUVER (MV) STAFF:

Adriana Velazquez, Senior Engineer, Solid Waste Planning
Alec Wu, EIT Solid Waste Planning
Chris Allan, Director, Solid Waste Operations
Chris Underwood, Division Manager, Solid Waste Planning
Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Stephanie Liu, Program Manager, Solid Waste Community Engagement
Terry Fulton, Senior Engineer, Solid Waste Services
Zeenia Mizan, Program Assistant, Solid Waste Services
Zack Ha, Administrative Assistant, Solid Waste Services

PREPARATION OF MINUTES: Jasmeen Dhillon, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

Tuesday, April 9, 2024
1:00 PM – 4:00 PM
In-Person

Agenda

1. AGENDA

   1.1. April 9, 2024 Meeting Agenda

2. CO-CHAIR OPENING COMMENTS

3. MINUTES

   3.1. March 5, 2024 Meeting Minutes

4. CO-CHAIR ELECTION

5. INDUSTRY ADVISORY COMMITTEE RESIDUALS MANAGEMENT WORKING GROUP – WORK PLAN ITEM FOLLOW-UP DISCUSSION
   For input/feedback
   Designated Speaker: Co-Chair Bryan and Co-Chair Hodge

6. REPORTS

   6.1. Solid Waste Management Plan – Draft Vision and Guiding Principles
   For input/feedback – Small group discussions
   Designated Speaker: Terry Fulton, Senior Engineer Metro Vancouver and Stephanie Liu, Program Manager, Community Engagement, Metro Vancouver
   Suggested discussion questions:
   - Any comments on the draft vision statement?
   - Any comments on the draft guiding principles? Is there anything that should be added or removed?

   6.2. Draft Issue/Opportunity Discussion Questions – Idea Generation
   For input/feedback – Small group discussions
   Designated Speaker: Terry Fulton, Senior Engineer Metro Vancouver, and Veronica Bartlett, Stantec
   Suggested discussion questions:
   - Any comments on the draft issue/opportunity discussion questions? Is there anything that should be added or removed?

7. OTHER BUSINESS

   7.1. Zero Waste Committee and Other Updates
   Verbal Update
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

8. INFORMATION ITEMS

8.1. Regional Waste Flows - March
8.2. 2024 Solid Waste and Recycling Industry Advisory Committee Meeting Schedule
8.3. DRAFT – 2024 Industry Advisory Committee Member Biographies
8.4. Vision and Guiding Principles – Industry Advisory Committee Workshop Summary
8.5. Industry Advisory Committee 2024 Work Plan
8.6. DRAFT – Residuals Management Working Group Terms of Reference

MEETING MINUTES

Co-Chair Craig Hodge called the meeting to order at 1:04 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting.

1. AGENDA

1.1 April 9, 2024 Meeting Agenda

Co-Chair Hodge called for additions or changes to the agenda. No additions were put forward.

2. CO-CHAIR OPENING COMMENTS

Co-Chair Lori Bryan relayed housekeeping items and reminders for members in attendance, or those previously absent.

3. MINUTES

3.1 March 5, 2024 Meeting Minutes

Co-Chair Bryan called for additions or changes to the meeting Minutes of March 5, 2024. None were identified by Industry Advisory Committee members.

4. CO-CHAIR ELECTION

4.1 Voting Process

Co-Chair Hodge reviewed the election process, which involves the election of one Co-Chair based on a simple majority among the Industry Advisory Committee members present. Voting members are defined as Industry Advisory Committee members who have held membership for at least one month prior to the day of the vote. The election and nomination process was further explained, and it was noted that Lori Bryan had been offered and accepted the Co-Chair nomination at the March 5, 2024, meeting.

4.2 Nominations

Co-Chair Hodge called for additional nominations for Co-Chair three times, with no nominations offered.

4.3 Election

There being only one nominee Co-Chair Hodge announced that Lori Bryan was the acclaimed Co-Chair for 2024.

5. Industry Advisory Committee Residuals Management Working Group – Work Plan Item Follow-Up Discussion

Co-Chairs Bryan and Hodge led a discussion on the Industry Advisory Committee Residuals Management Working Sub-Group, during which comments were offered regarding:

- Committee Meetings:
  - Co-Chairs leading the Committee with Metro Vancouver staff support
  - Key items of interest to Members should direct meeting agendas

- Terms of Reference:
  - Goals of the Terms of Reference are not being accomplished
  - Reference should be made to Committee members' work in the work plans
  - Should define staff roles
- Working Sub-Group:
  - Proposal: One Sub-Group to focus on key items
    - Long-term Disposal Planning
    - Generator Levy
    - Capital Budget
    - Competition
  - Intention of group is to work with, and report back to, the Industry Advisory Committee
  - Draft Terms of Reference for working sub-group has been developed
  - Currently 11 of 30 Industry Advisory Committee members have indicated interest in participating in the working sub-group
  - Consider changing the language to "Focus Group" instead of "Sub-Group"
  - The Ministry of Environment should observe the conduct of the Committee.
    - Members were reminded that the Ministry of Environment was present at the meeting.
  - Attendance in any working sub-group meetings should not be mandatory. Members should be allowed to attend based on topic
  - Consider adding supplementary meetings to the regular committee schedule instead of convening a separate working group

It was MOVED and SECONDED

That the Solid Waste and Recycling Industry Advisory Committee approve the formation of a Residuals Management Working Sub-Group to focus on key topics related to: Long-term Disposal Planning, Generator Levy, Competition, Procurement, and Capital Budget.

DEFEATED

(2 in favour, 20 opposed)

6. REPORTS

6.1 Solid Waste Management Plan – Draft Vision and Guiding Principles

Terry Fulton, Senior Engineer, Metro Vancouver and Stephanie Liu, Program Manager, Community Engagement, Metro Vancouver, jointly referred to an online presentation titled, "Solid Waste Management Plan Update", and highlighted the following topics:

- Timeline Update
- Vision and Guiding Principles – Definitions
- Vision and Guiding Principles Engagement – Timeline
- Engagement Summary - Participation
- Engagement Summary – Feedback / Common Themes
- Summary of Previous Feedback from IAC
- Draft Vision Statement and Guiding Principles
- Overarching Priorities

Solid Waste Management Plan Draft Vision

- "Together we build a thriving, sustainable region where nothing is wasted."

Solid Waste Management Plan Draft Guiding Principles

- Advocate for increased accountability from residents, business, and governments to reduce waste
- Build confidence about what happens to our waste and recycling and how we measure waste reduction and recycling
- Create a solid waste system that is resilient to climate change and future challenges
- Enable all users – regardless of their income, education, or life experience – to participate fully
- Foster innovation and collaboration solutions to support a vibrant regional economy
- Prioritize environmental stewardship by valuing and conserving materials and products
- Promote a solid waste and recycling system that is easy to use, convenient to access, and consistent across the region
- Take action to reduce the carbon footprint of materials used in our region.

Next Steps

- Share draft vision and guiding principles with First Nations, member staff, Advisory Committees, ,
- Present draft vision and guiding principles to Zero Waste Committee and Greater Vancouver Sewage and Drainage District Board.

Discussion – Small Group Discussions

The following questions were provided for small group discussion:

- *Any comments on the draft vision statement?*
- *Any comments on the draft guiding principles? Is there anything that should be added or removed?*

Following the small group discussions, attendees provided feedback. The feedback will be summarized and posted to the Industry Advisory Committee web page.

Next Steps

The following next steps were noted:

- Feedback from this meeting will be considered prior to presenting the draft Vision and Guiding Principles to the Zero Waste Committee
- Additional feedback and comments can be submitted to solidwasteoperations@metrovancouver.org.

6.2 Draft Issue/Opportunity Discussion Questions – Idea Generation

Terry Fulton referred to an online presentation titled, "Solid Waste Management Plan Update – Idea Generation Planning", highlighting:

- Objectives for the next phase of engagement

    - Generate ideas and potential solutions to issue/opportunity discussion questions
    - Updated goals will emerge from feedback during idea generation and from other research:
        - Goals can be used as part of the criteria to evaluate ideas during the options analysis phase
- Issue/Opportunity Discussion Questions:
    - Purpose:
        - Provide a framework and prompting questions for Idea Generation discussions
        - Build on feedback already received to date
- Advisory Committee Approaches:
    - Public / Technical Advisory Committee (PTAC):
        - Input on issue/opportunity discussion questions
        - Working groups separate from regular meetings
        - Fall presentation day
    - IAC:
        - Input on issue/opportunity discussion questions
        - Small groups in regular meetings
        - Fall workshop

Veronica Bartlett, Solid Waste Planner, Morrison Hershfield (now Stantec), referred to an online presentation titled, "Issue and Opportunity Discussion Questions", highlighting:

- Background and development of the Issue and Opportunity discussion questions
- Purpose of the idea generation:
    - What are the issues that need to be overcome to achieve our vision?
    - What are the opportunities?

Overview of Discussion Questions

An overview of the following discussion questions and example strategies was provided:

1) How do we implement waste prevention initiatives to reduce waste generation?
2) How do we increase environmental stewardship of products and materials?
3) How do we best support innovative and collaborative solutions to reduce waste?
4) How do we increase recycling and composting efforts after maximizing waste reduction and reuse?
5) How do we build confidence in what happens to our waste and recycling, and how do we measure waste reduction and diversion?
6) How do we reduce barriers to residents and businesses and continue to encourage good waste management decisions?
7) How do we further improve the infrastructure and systems for waste management across the region?

Each question relates to a leadership theme:

- Leadership at home – these actions are directed towards residents, including single family and multi-family residents

- Leadership at work – these actions are directed towards the commercial and institution, construction, and demolition sector
- Leadership in the community – these actions are directed towards MV, First Nations, member jurisdictions, electoral areas, and the waste and recycling industry.

What's next?
- Advisory committees and member jurisdictions to provide feedback
- Issues and opportunities discussion questions will be updated with the feedback

` **Discussion – Small Group Discussions**

The following questions were provided for small group discussion:
- Any comments on the draft issue/opportunity discussion questions?
- Is there anything that should be added or removed?

Following the small group discussions, attendees provided feedback. The feedback will be summarized and posted to the Industry Advisory Committee web page.

DEPARTED MEETING

Co-Chair Hodge departed the meeting at 3:35 p.m.

7. OTHER BUSINESS

7.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Solid Waste Services, referred to a slide shared via online presentation, highlighting:
- Waste-to-Energy Facility District Energy Project Update
- Zero Waste Collaboration Initiates – Future Delivery
- Create Memories, Not Garbage 2023 Campaign Results
- Appointment of Enforcement Officers and Deputy Solid Waste Manager
- Manager's Report:
  - Bottom Ash Pilot
  - Small load waste processes – made possible by Recycling and Waste Centres
  - Procurement updates

7.2 Meeting Date Conflicts
- Waste Expo: May 6-9, 2024 in Las Vegas, Nevada – May 7 meeting will be rescheduled to May 14
- Waste-to-Energy Facility facility tour and in-person meeting is tentatively postponed to September 10, 2024.
- June 11, 2024 meeting is now virtual
-

8. INFORMATION ITEMS

8.1 Regional Waste Flows – March

8.2 2024 Solid Waste and Recycling Industry Advisory Committee Meeting Schedule

8.3 DRAFT – 2024 Industry Advisory Committee Member Biographies

8.4 Vision and Guiding Principles – Industry Advisory Committee Workshop Summary
8.5 Industry Advisory Committee 2024 Work Plan
8.6 DRAFT – Residuals Management Working Group Terms of Reference

9. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:53 p.m.

Solid Waste and Recycling Industry Advisory Committee
Solid Waste Management Plan Vision and Guiding Principles Feedback Summary
April 9, 2024

At the April 9, 2024 Solid Waste and Recycling Industry Advisory Committee meeting, Metro Vancouver sought input and feedback from members on the following items related to updating the regional solid waste management plan:

- Draft Vision and Guiding Principles
- Draft Issue/Opportunity Discussion Questions – for Idea Generation phase

The draft vision statement, eight guiding principles, and seven discussion questions were presented to members (Attachment).

A summary of feedback received is presented below. Detailed discussion notes are being retained as part of the full engagement record. All feedback will be taken into consideration as Metro Vancouver finalizes the draft vision and guiding principles for the updated plan.

Draft Vision Statement	
Theme	**Feedback**
Framing of vision statement	• The vision is too broad/overarching/ambitious • Suggest to reframe the vision to a positive statement • Factor in use of energy and other resources “conserve materials as much as possible” • Include affordability in the vision statement
Draft Guiding Principles	
Theme	**Feedback**
Level of detail	• Phrases such as "Build confidence" and "Increase accountability" are too high level • Be more specific about “confidence” – are we increasing it by education, or metrics, or both? • Make the principles executable • The draft principles are fine as they are – small changes in the wording would not be enough to encompass the larger issues that need to be addressed
Goals and measurability	• The principles are idealistic and will not serve well as goals (Metro Vancouver clarified that goals will be developed separately from these guiding principles, in the next phase)

	• Questions on how these principles could be measured, including how to measure climate impact and factor in in energy use and emissions • Challenging to measure carbon footprint
Roles and responsibilities	• How accountable will Metro Vancouver be to the principles? Some specific parties need to take responsibility for change • We (industry) don't have the ability to action many of the guiding principles
Affordability and convenience	• Affordability for customers and financial implications for industry should be considered and emphasized in the principles more directly. This can be driven by policy. • Lack of local solutions for processing/facilities due to land and capital constraints • The principles are great in terms of inclusivity, but not realistic in terms of supporting the waste management system and the needs of the region • Focus on convenient systems
Education and transparency	• Prioritize building confidence in recycling and reuse systems • Focus on behaviour change
Further considerations/ priorities/focus	• Fostering competition should be a priority • Emphasize the importance of and industry's role in innovation • "Flexibility" is a term that should be used • "Foster innovation and collaborative solutions" – can include competition i.e. More diversity in the waste management system region-wide • Important for the public to know that the industry is doing everything it can • Need to define concepts and terms so they are universally understood

Draft Issue/Opportunity Discussion Questions	
Theme	**Feedback**
Level of detail	• Questions are very general – expected more in-depth questions at this stage • These seem like the same questions as guiding principles. Questions are very broad, high level • Are these questions focused enough to generate the data and feedback required? • Questions could be expanded to ensure better definition of the role of government, and how to manage achieving the objectives without stifling innovation
Roles, responsibilities, and process	• Industry should only be providing answers for number 7. Metro Vancouver should know the answers for 1 to 6, as these are based on analytics. • How do these questions influence the development of the plan? Need better understanding of the stages of the solid waste management plan update process. • Frustration around long timelines. Need to accelerate the plan update process. • Define the roles of government and industry stakeholders in managing waste in the region.
Additional suggestions/considerations	• Alignment with provincial guidelines may not necessarily support progress to reduce waste if regional goals are more ambitious. • Budget constraints may affect solid waste infrastructure in the coming years. • How do we implement these ideas further down the road? • These questions are going to promote very different answers from people depending on what industry or sector they represent. • Affordability should be considered more from the perspective of ratepayers. • Consider the audiences to be approached and use appropriate language. • Some questions ask different aspects of the same subject – consider consolidating related questions so there are fewer questions overall. • Focus on policy and infrastructure, economics, and material flow – how are questions tied with the policy?

In addition to direct feedback on the vision and guiding principles and issue/opportunity discussion questions, members offered feedback on specific actions and strategies that can be considered in the idea generation phase:

- Focus on policy, infrastructure, economics, and material flows
- Focus on more specific areas of work and targets (e.g. contamination rates for multi-family sector)
- Survey the general public on the effectiveness of campaigns. What compels people to do things? (e.g. relatable marketing, humorous ads)
- Engage with organizations such as Recycle BC. Some solutions will be based on what they require – bring more people to the table
- Advocate for increased visibility of recycled content on products so that public can make informed decisions

MEETING ATTENDEES:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Lori Bryan, Waste Management Association of BC (Co-Chair)
Edwin Berkhof, Evergen Infrastructure Corp.
Glen Furtado, The Cement Association of Canada
Jeff Gontovnick, 1-800-GOT-JUNK? Fraser Valley
Grant Hankins, Canada Minibins.com Ltd
Josh JansenVandoorn, anaconda-systems-limited
Gord Johnson, Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Canada Ltd.
Aiden Kiani, Lock-Block Ltd
Mike Lannin, Super Save Group of Companies
Angus MacFarlane, Growing City
Patrick Mac Neil, Wescan Disposal Ltd. (1998)
Achilles Mallari, Sierra Waste Services Ltd.
Ralph McRae, Revolution Infrastructure Ltd.
David Millman, Waste Management of Canada Corporation
Dimitri Pantazopoulos, Waste Connections Canada/Maple Leaf Strategies
Sandy Sigmund, Encorp, Return-It
John Turner, BC Biocarbon Limited
Jasper Van De Wetering, Heidelberg Materials Canada Limited
Pinky Vargas, Republic Services
Michael Zarbl, Major Appliance Recycling Roundtable

Attachment
Draft Vision and Guiding Principles (version 1)



Overview of Discussion Questions

1. How do we implement waste prevention initiatives to reduce waste generation?
2. How do we increase environmental stewardship of products and materials?
3. How do we best support innovative and collaborative solutions to reduce waste?
4. How do we increase recycling and composting efforts after maximizing waste reduction and reuse?
5. How do we build confidence in what happens to our waste and recycling, and how do we measure waste reduction and diversion?
6. How do we reduce barriers to residents and businesses and continue to encourage good waste management decisions?
7. How do we further improve the infrastructure and systems for waste management across the region?

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, May 14, 2024
2:00 pm – 4:00 pm
A G E N D A

1. AGENDA

1.1 May 14, 2024 Meeting Agenda

2. MINUTES

2.1 April 9, 2024 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Items of Interest
For Information
Designated speaker: Paul Henderson, Metro Vancouver
- *May 16 Mayors Committee Agenda: "Smart Waste Program and Draft Tipping Fee Bylaw Updates" information report*
- *Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw engagement*

3.2 Construction and Demolition Waste Management and Capacity
For input/feedback – small groups/plenary
Designated speaker: Adrianna Velaquez, Senior Project Engineer, Solid Waste
- *What are some of the current challenges for construction and demolition waste?*
- *What could be improved?*
- *What are some examples of different solutions?*

4. OTHER BUSINESS

4.1 Workplan review
Verbal update
Designated Speaker: Co-Chair Bryan

4.2 Zero Waste Committee and Other Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste

5. INFORMATION ITEMS

5.1 Regional Waste Flows – April

5.2 2024 Industry Advisory Committee Meeting Schedule
5.3 Industry Advisory Committee 2024 Work Plan

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
Diamant, Jen – Capital Salvage
Furtado, Glen – Cement Association of Canada
Gontovnick, Jeff – 1-800-GOT-JUNK?
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Jessa, Imran – Delta Textiles Exporters Inc.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kiani, Aiden – Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McAra, Matthew – GFL Environmental Inc.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Scaldaferri, Fabio – Pacific Mattress Recycling Inc.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Turner, John – BC Biocarbon Ltd.
Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
Vargas, Pinky - Republic Services
Young, Stewart, GFL Environmental Inc.
Zarbl, Michael - Major Appliance Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Henderson, Paul – Metro Vancouver
Joy, Samantha - Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, May 14, 2024, via Zoom Video Conference.

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Angus MacFarlane, Growing City
Achilles Mallari, Sierra Waste Services Ltd.
Christian Dietrich, Ecowaste Industries
Dimitri Pantazopoulos, Waste Connections of Canada
Glen Furtado, Cement Association of Canada
Harwant Deol, Super Save Group
Izzie Abrams, Waste Connections of Canada
James Collins, Tymac Launch Service Ltd.
Jamie Kaminski, HSR Zero Waste
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Jeremy Crawford, Waste Control Services
Leanne Koehn, Ridge Meadows Recycling Society
Maya Moucachen, Merlin Plastics
Michael Zarbl, Major Appliance Recycling Roundtable
Mike Lannin, Super Save Group
Patrick MacNeil, Wescan Disposal Ltd.
Pinky Vargas, Republic Services
Ralph McRae, Revolution Infrastructure Inc.
Shad Prasad, Cascade Recovery +
Stewart Young, GFL Environmental Inc.

MEMBERS ABSENT

Edwin Berkhof, Evergen Infrastructure Corp.
Jen Diamant, Capital Salvage
Jeff Gontovnick, 1-800-GOT-JUNK?
Grant Hankins, Canada Minibins.com Ltd.
John Turner, BC Biocarbon Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
Imran Jessa, Delta Textiles Exporters Inc.
Gord Johnson, Northstar
Sean Kawakami, Convertus Canada Ltd.
Aiden Kiani, Lock-Block Ltd.
Fabio Scaldaferri, Pacific Mattress Recycling Inc.
Matthew McAra, GFL Environmental Inc.
David Millman, Waste Management of Canada Corp.
Sandy Sigmund, Encorp Pacific Canada, Return-It

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Adrianna Velazquez, Senior Project Engineer, Solid Waste Services
Brooke Atkinson, Senior Engagement Specialist, Solid Waste Services
Chris Underwood, Division Manager, Solid Waste Services
Karen Storry, Senior Engineer, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Sahar Ahmadvand, Assistant Project Engineer, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Zeenia Mizan, Program Assistant I, Solid Waste Services

PREPARATION OF MINUTES: Justine Wiklo, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

May 14, 2024
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
   1.1. May 14, 2024, Meeting Agenda
2. Minutes
   2.1. April 9, 2024, Meeting Minutes
3. Reports and Items for Discussion
   3.1. Items of Interest
   For Information
   Designated speaker: Paul Henderson, Metro Vancouver
   - *May 16 Mayors Committee Agenda: "Smart Waste Program and Draft Tipping Fee Bylaw Updates" information report*
   - *Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw engagement*

   3.2. Construction and Demolition Waste Management and Capacity
   For input/feedback – small groups/plenary
   Designated speaker: Adrianna Velaquez, Senior Project Engineer, Solid Waste
   - *What are some of the current challenges for construction and demolition waste?*
   - *What could be improved?*
   - *What are some examples of different solutions?*

4. Other Business
   4.1. Workplan Review
   Verbal update
   Designated Speaker: Co-Chair Bryan
   4.2. Zero Waste Committee Updates
   Verbal Update
   Designated Speaker: Paul Henderson, General Manager, Solid Waste

5. Information Items
   5.1. Regional Waste Flows – April
   5.2. 2024 Industry Advisory Committee Meeting Schedule
   5.3. Industry Advisory Committee 2024 Work Plan

Co-Chair Craig Hodge called the meeting to order at 2:04 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting. Participants were reminded to use the Zoom "raised hand" function to provide questions or comments or for any voting that might be required, and to ensure their names were correctly identified in the Participant list.

1. AGENDA

1.1 May 14, 2024, Meeting Agenda

Co-Chair Hodge reviewed the May 14, 2024, meeting agenda. No additions were made.

2. MINUTES

2.1 April 9, 2024, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of April 9, 2024. There were no changes or additions to the meeting Minutes of April 9, 2024.

3. REPORTS

3.1 Items of Interest

Paul Henderson, General Manager, Solid Waste, Metro Vancouver, reviewed two items of interest:

- A report has been published in the upcoming May 16, 2024, Mayor's Committee meeting agenda updating on the smart waste program and draft Tipping Fee Bylaw updates
- Regarding Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw, all Industry Advisory Committee members should have received information via email about the engagement process. Feedback is welcome until May 31, 2024. The Notice of Bylaw Violation:
    - Provides an additional compliance promotion tool for *GVS&DD Solid Waste & Recyclable Material Regulatory Bylaw No. 181, 1996*
    - Establishes penalties u to $500 for violations of exiting Bylaw 181 provisions
    - Serves as an additional tool for Metro Vancouver to encourage Bylaw compliance.

3.2 Construction and Demolition Waste Management and Capacity

Adriana Velázquez, Senior Project Engineer, Solid Waste, reviewed a presentation on construction and demolition (C&D) materials, noting the following highlights:

- About half of waste and recyclable materials generated in the region come from the C&D sector
- Metro Vancouver's 2022 C&D waste composition study showed that more than half of the disposed material in the region is wood
- In 2022, there were 2,371 residential demolitions - limited information is available on how much of this is being repurposed through deconstruction or home relocation
- The Disposal Ban Program places a surcharge on disposal loads containing 5% or more of clean wood and any quantity of gypsum
- Metro Vancouver recently updated the C&D waste reduction and recycling toolkit to encourage reuse of building materials

- Current regulatory tools and frameworks include the tipping fee, a Solid Waste and Recyclable Material Bylaw, facility inspections, permitting, and enforcement
- A list of licensed facilities is posted online – this list is currently being updated
- 10 municipalities in Metro Vancouver have implemented diversion requirements for construction and demolition materials

Committee members joined small break-out groups to discuss construction and demolition waste. Co-Chair Hodge introduced the following questions for discussion:

- What are some of the current challenges for C&D waste?
- What could be improved?
- What are some examples of different solutions?

Co-Chair Hodge thanked participants for the discussion.

A summary of the input received during small group discussions and plenary report-back will be posted separately on the Industry Advisory Committee webpage under the Meetings header. Feedback from this session will be considered as part of the idea generation phase of engagement for the solid waste management plan update.

4. OTHER BUSINESS

4.1 Work Plan Review

Co-Chair Bryan reviewed the amended Work Plan, noting the following:

- The Work Plan has been updated to include dates when key topics will be presented
- Recycling capacity, product markets, and organics will be discussed at the next meeting in June 2024
- Long-term disposal planning and capital budget will be discussed at the meeting in July 2024
- In September 2024, the generator levy and competition will be the topics of discussion.

Based on feedback from the April Industry Advisory Committee meeting, an additional meeting was added to the work plan in July. A Zoom poll was conducted and it was decided that the meeting would occur virtually on July 9, 2024.

4.2 Zero Waste Committee Updates

Paul Henderson provided an update on Zero Waste Committee work, noting the following highlights:

- An update on two recycling depots being developed in Langley and North Surrey; completion of these facilities will provide consistent services across the region that maximize recycling opportunities
- A report updating on the food scraps campaign
- Items in the Manager's Report included a Waste-to-Energy facility operational certificate amendment application, and single-use items campaign update

Other updates included:

- Need for further recruitment for the Public/Technical Advisory Committee has been identified. Focused outreach to fill some identified sector representation gaps will be initiated.

- A recent article was published on the Vancouver Landfill in a Delta-based newspaper

5. INFORMATION ITEMS

5.1 Regional Waste Flows – April

5.2 2024 Industry Advisory Committee Meeting Schedule

5.3 Industry Advisory Committee 2024 Work Plan

In reference to the information items, Co-Chair Hodge noted all were attached to the agenda package.

ADJOURNMENT

Co-Chair Hodge thanked Industry Advisory Committee members for their participation, comments, and feedback, and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held via Zoom on June 11, 2024.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:40 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary – May 14, 2024

At the May 14, 2024, Solid Waste and Recycling Industry Advisory Committee meeting, committee members provided input and feedback on construction and demolition waste management.

A summary of feedback received is presented below.

Discussion Question	Feedback
What are some of the current challenges for construction and demolition waste management?	**Existing Facility capacity** • Not enough capacity to process and reuse C&D materials within the region with existing facilities • A large portion of material that used to be recycled, now can't be recycled. Historically, C&D MRFs separated put wood and sent it to CANFOR and other locations as alternative fuel. The remaining material was disposed to landfill. Construction has increased resulting in increased waste, but at the same time end market and disposal capacity has decreased. **Siting for processing activities (reuse and recycling)** • Lack of space (land) due to high price of real estate • Diminishing disposal capacity (land use and siting challenges) **Demolition and construction site space and sorting challenges** • Limited space at construction sites for on-site sorting and separate containers and systems for fast and easy material sorting • On-site separation is not always happening properly – materials are sent to landfill because of lack of information, resources, or buy-in by construction industry **Economics of recycling and reuse don't work** • It costs more to recycle C&D materials than to dispose of them. • More affordable options within the region for source separation and disposal are needed • Reuse and recycling of C&D waste does not seem competitive when in many cases landfilling is a more readily available and affordable option even in the case of out-of-region landfills • Deconstruction and other solutions are expensive – the construction industry is already burdened with high costs

	Lack of End Markets and Disposal Capacity
	• Lack of infrastructure for moving towards a circular economy:
	  o Historically pulp and paper industry was taking the wood waste but more forest industry facilities have been closing down
	  o Government could allow for C&D waste to be used as a source for bioenergy or bio-materials by facilitating and funding the processes that promote circular economy in general
	• With no where to take material, we still see material going to unlicensed facilities creating environmental liabilities for all parties. There are risks to the companies who take materials as they could be required to pay for the clean-up and subject to fines from the Ministry of Environment and Climate Change Strategy
	• Declining market for fuel switching due to declining pulp and paper industry – also a lack of access to this market for C&D as it is mainly processing forest products
	• No stable market for recycled wood - Market saturation with an increase in C&D material in an ever-growing region with increasing C&D activity
	• Viability of end markets is not consistent
	• Lack of an established product market and demand
	  o Current example market is cement kilns which have a limited capacity
	• Invest in finding the end use markets cases for all types of C&D material

Discussion Question	**Feedback**
What could be improved?	**Pricing** o Metro Vancouver should raise the price of disposal for C&D waste or stop accepting it altogether o Metro Vancouver needs to re-assess tipping fees and see how it impacts where people choose to take C&D materials. The current tipping fee is lower than most private C&D processing facilities. o When Metro Vancouver started accepting C&D waste and wood at transfer stations at a lower price, other facilities that accept and recycle these materials were forced to lower prices to remain competitive o Prices need to be set at a rate that licensed operators can profit and have the certainty they need to invest in new technologies. A suggestion that $300 per tonne would be more required for the market to make a profit.

	Incentives o Incentives to encourage wood recycling and reuse of products in new builds o Make it easier for people on demolition sites to separate materials o Additional fees for purchasing new materials that are recyclable (EPR) o Fund alternative technologies – biocoal, fuel alternatives, etc. o Easing the regulations that facilitate the energy and fuel generation from C&D wood waste o There is not enough dis-incentive for developers and property owners to demolish a house; the moving of existing houses should be incentivized **Consistent regulatory framework** o There needs to be a regulatory framework that forces the sorting of C&D waste at the site of demolition o Policies for encouraging source-separation of the material o Enforcement can be improved at C&D processing facilities; fines should be levied at existing source separation facilities that are not following guidelines
Discussion Question	**Feedback**
What are some examples of different solutions?	• Metro Vancouver to stop accepting C&D waste and let the private industry manage these materials • Incentivize the private processing facilities within the region • Adopt a system of off-site or out of region materials processing opportunities for industry - allow for industry to take materials out of region for processing and then back in for disposal • Reduce the cost of entry to the market within the Metro Vancouver region with incentives and partnerships • Review current regulations for taking materials out of region • Advance and fund the technologies such as gasification that can convert the C&D wood waste into energy and fuel such as: o Electricity o Aviation fuel or hydrogen o Biomass/Biocoal • Develop deconstruction protocols and policy • Foster new markets for materials to be reused, repurposed, and diverted • Research successful jurisdictions

	Additional comments
	• Alternative technologies to manage C&D waste are 5-10 years away, and this issue is pressing now • The site in south Vancouver (Southern Star) requires urgent action – the site is over capacity. o Issue: If Southern Star was to shut down it would cause challenges for the construction industry o Likely will have a large clean-up bill and it is unclear who will be responsible

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Angus MacFarlane, Growing City
Achilles Mallari, Sierra Waste Services Ltd.
Christian Dietrich, Ecowaste Industries
Dimitri Pantazopoulos, Waste Connections of Canada
Glen Furtado, Cement Association of Canada
Harwant Deol, Super Save Group
Izzie Abrams, Waste Connections of Canada
James Collins, Tymac Launch Service Ltd.
Jamie Kaminski, HSR Zero Waste
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Jeremy Crawford, Waste Control Services
Leanne Koehn, Ridge Meadows Recycling Society
Maya Moucachen, Merlin Plastics
Michael Zarbl, Major Appliance Recycling Roundtable
Mike Lannin, Super Save Group
Patrick MacNeil, Wescan Disposal Ltd.
Pinky Vargas, Republic Services
Ralph McRae, Revolution Infrastructure Inc.
Shad Prasad, Cascade Recovery +
Stewart Young, GFL Environmental Inc.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, June 11, 2024
2:00 pm – 4:00 pm
A G E N D A

1. AGENDA

1.1 June 11, 2024 Meeting Agenda

2. MINUTES

2.1 May 14, 2024 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Disposal Ban Exemption Pilot Program
For information and input
Designated Speaker: Paul Henderson, Metro Vancouver

3.2 Recycling and Organics Capacity and Product Markets
For input/feedback – small group discussions
Designated Speaker: Karen Storry, Senior Engineer, Metro Vancouver
With respect to recycling capacity and product markets:
- *What is currently working well?*
- *What could be improved? What should be prioritized?*
- *What are some examples of potential solutions? Are there additional things we should be considering?*

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. INFORMATION ITEMS

5.1 Regional Waste Flows
5.2 2024 Work Plan

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Berkhof, Edwin – Evergen Infrastructure Corp.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
Diamant, Jen – Capital Salvage
Furtado, Glen – Cement Association of Canada
Gontovnick, Jeff – 1-800-GOT-JUNK?
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Jessa, Imran – Delta Textiles Exporters Inc.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kiani, Aiden – Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McAra, Matthew – GFL Environmental Inc.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Scaldaferri, Fabio – Pacific Mattress Recycling Inc.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Turner, John – BC Biocarbon Ltd.
Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
Vargas, Pinky - Republic Services
Young, Stewart, GFL Environmental Inc.
Zarbl, Michael - Major Appliance Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Henderson, Paul – Metro Vancouver
Joy, Samantha - Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, June 11, 2024, via Zoom Video Conference.

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Edwin Berkhof, Evergen Infrastructure Corp.
Jeremy Crawford, Waste Control Services
Happy Deol, Super Save Group
Glen Furtado, Cement Association of Canada
Grant Hankins, Canada Minibins.com Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
Gord Johnson, Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Canada Ltd.
Mike Lannin, Super Save Group
Patrick MacNeil, Wescan Disposal Ltd.
Achilles Mallari, Sierra Waste Services Ltd.
Matthew McAra, GFL Environmental Inc.
Ralph McRae, Revolution Infrastructure Inc.
David Millman, Waste Management of Canada Corp.
Maya Moucachen, Merlin Plastics
Dimitri Pantazopoulos, Waste Connections of Canada
Shad Prasad, Cascade Recovery +
Ken Schultze (Alternate for Fabio Scaldaferri), Pacific Mattress Recycling Inc.
Sandy Sigmund, Encorp Pacific Canada, Return-It
John Turner, BC Biocarbon Ltd.
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Pinky Vargas, Republic Services
Stewart Young, GFL Environmental Inc.

MEMBERS ABSENT

Izzie Abrams, Waste Connections of Canada
James Collins, Tymac Launch Service Ltd.
Jen Diamant, Capital Salvage
Christian Dietrich, Ecowaste Industries
Jeff Gontovnick, 1-800-GOT-JUNK?
Imran Jessa, Delta Textiles Exporters Inc.
Leanne Koehn, Ridge Meadows Recycling Society
Aiden Kiani, Lock-Block Ltd.
Angus MacFarlane, Growing City
Michael Zarbl, Major Appliance Recycling Roundtable

METRO VANCOUVER (MV) AND CITY OF VANCOUVER STAFF:

Terry Fulton, Senior Project Engineer, Solid Waste Services
Zack Ha, Administrative Assistant, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Karen Storry, Senior Project Engineer, Solid Waste Services
Adrianna Velazquez, Senior Project Engineer, Solid Waste Services
Chris Clarke, Engagement Specialist, Solid Waste Services

PREPARATION OF MINUTES: Justine Wiklo, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

June 11, 2024
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
   1.1. June 11, 2024, Meeting Agenda
2. Minutes
   2.1. May 14, 2024, Meeting Minutes
3. Reports and Items for Discussion
   3.1. Disposal Ban Exemption Pilot Program
   For Information and input
   Designated speaker: Paul Henderson, Metro Vancouver
   3.2. Construction and Demolition Waste Management and Capacity
   For input/feedback – small group discussions
   Designated speaker: Karen Storry, Senior Project Engineer, Solid Waste
   With respect to recycling capacity and product markets:
   - *What is currently working well?*
   - *What could be improved? What should be prioritized?*
   - *What are some examples of different solutions? Are there additional things we should be considering?*
4. Other Business
   4.1. Zero Waste Committee Updates
   Verbal Update
   Designated Speaker: Paul Henderson, General Manager, Solid Waste
5. Information Items
   5.1. Regional Waste Flows
   5.2. 2024 Work Plan

Co-Chair Lori Bryan called the meeting to order at 2:03 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee meeting. Participants were reminded to use the Zoom "raised hand" function to provide questions or comments or for any voting that might be required, and to ensure their names were correctly identified in the participant list.

1. AGENDA

1.1 June 11, 2024, Meeting Agenda

Co-Chair Bryan reviewed the June 11, 2024 meeting agenda. No additions were made.

2. MINUTES

2.1 May 14, 2024, Meeting Minutes

Co-Chair Bryan called for any additions or changes to the meeting minutes of May 14, 2024. There were no changes or additions to the meeting minutes of May 14, 2024.

It was noted that the minutes indicate that the feedback summary from the small group and plenary discussions at the May meeting are posted on the Industry Advisory Committee website; however, that information item has not yet been posted. The minutes will be amended and members will be notified by email when the May meeting feedback summary is posted.

3. REPORTS

3.1 Disposal Ban Exemption Pilot Program

Co-Chair Hodge introduced the Disposal Ban Exemption Pilot program that is in development, noting that this is an initiative meant to incentivize recycling at the source. The program is in the design and development stage, so there are opportunities for Industry Advisory Committee members to provide input into the program design, and also participate in the pilot program itself.

Paul Henderson, General Manager, Solid Waste, Metro Vancouver, reviewed information on the Disposal Ban Exemption Pilot Program, noting the following highlights:

- The goal is to develop a pilot program to be implemented in the hauling community that will provide incentives for working with generators and processors.
- We are looking for early input from participants in the industry – specifically, how can haulers demonstrate working with their customers and processors. We want to understand how the hauling community can participate in encouraging more sorting at the source, to get recyclables out of the waste stream.
- The current disposal ban process relies on visual inspections, which has limitations, for instance items in black bags being challenging to see. Dillon Consulting will be conducting interviews to get feedback on the design of the program

Participants were asked to consider if they had any initial ideas on elements that could be included in a pilot program to incentivize haulers to encourage recycling, and the following comments were offered in discussion:

- Previously when hauling a load, if there was a lot of cardboard, it was possible to go into the back of the truck to remove and sort it. This is no longer allowed due to safety

concerns, which is understandable; however, it would be worthwhile having some the ability to remove recyclable materials from loads before disposing at the site

- For small haulers, the loads are inspected and charged, but the challenge is with large-scale commercial loads
- Customers need to have additional space to have separate bins for plastics and recyclable materials, and this can be a challenge
- There is the issue of capacity, with respect to where materials are accepted for recycling
- With direct hauls from customer recycling, the driver is not going to sort the materials themselves; there are always going to be recyclable materials that do not have anywhere to go, such as some plastics
- At a processing facility, the cost of recovery, as well as other impacts and safety measures, makes it challenging to remove materials from hauling trucks.
- Lack of consistency in protocols for sorting - some private facilities will hand-sort materials, while others may have excavators to sort.

It was noted that Metro Vancouver wants to work with haulers and contractors to discuss these challenges and will be reaching out to Industry Advisory Committee members to participate in this pilot program or provide input on program design through an interview with Dillon Consulting.

3.2 Recycling and Organics Capacity and Product Markets

Co-Chair Bryan advised that feedback from the key topic small group discussions is recorded as feedback summaries that will be included in the solid waste management plan update feedback logs for the Idea Generation phase of engagement.

Karen Storry, Senior Engineer, Metro Vancouver, reviewed a presentation on recycling capacity and product markets, noting the following highlights:

- The goal is to increase recycling through additional capacity
- Single family homes have well developed infrastructure and access to recycling; however, access for multifamily and commercial buildings need improvement
- Plastics, paper, and organics make up the majority of recycled materials; there are gaps when it comes to things like mattresses or bulky furniture with these items being inconsistently recycled
- Metro Vancouver has implemented several educational programs and campaigns, which have been used to increase participation and decrease contamination
- A review of regulations is a tool that could be used to increase capacity, such as increased producer responsibility, single-use and plastic waste reduction, and regulation on organic matter recycling. These all have an impact on both the capacity and quality of the market.
- Voluntary standards and guidelines also support increased recycling, such as the Canada Plastics Pact, which works to eliminate plastics that do not have recycling markets
- There is the need for convenience and accessibility, and it is also known there are challenges with land cost and availability.
- Siting and approvals for new facilities can be a lengthy and challenging process to navigate.

Co-Chair Bryan introduced the following questions regarding recycling capacity and product markets for discussion in breakout groups:

- What is currently working well?
- What could be improved? What should be prioritized?
- What are some examples of potential solutions?

Small group discussion took place for 20 minutes. During discussion, it was noted that the feedback summary notes would be shared to the Industry Advisory Committee webpage when they are completed. Members will be notified when the notes are posted.

A plenary discussion continued after the small group sessions, and the following comments were offered:

- In 2013, when municipal organics were introduced, there were three facilities in Delta and Richmond that were processing over 420,000 tonnes of organics.
  - In 2018, one of these facilities shut down, leaving a gap of 250,000 tonnes of capacity, although the Surrey Biofuel opened shortly after
- Metro Vancouver has allowed commercial loads to have up to 25% organics, and many haulers mix organics with waste loads and received no fines; this material is still in the Metro Vancouver waste system and is not being recovered.
- There are capacity issues around the Lower Mainland – space/land, number of receiving facilities, and end use markets.
- A secondary issue is that there is a lot of large particle wood that cannot be recycled
- A priority should be to recycle those 150,000 tonnes or more of organics that are currently in the waste stream
- There is a potential to contract with a third party, to develop additional processing capacity
- If an organization wanted to establish a compost facility an application to the municipality is required; however, siting new facilities is very challenging, not due to regulation but the broader community concerns about having waste facilities in proximity
- The City of Surrey's organics processing facility has been seen as very successful.

Co-Chair Bryan thanked participants for the discussion.

4. OTHER BUSINESS

4.1 Zero Waste Committee Updates

Paul Henderson provided an update noting that The Zero Waste Committee agenda has been published; the meeting is on June 13, 2024. Items on the agenda include:

- Tipping Fee Bylaw updates related to the generator levy
- The draft vision and guiding principles for the solid waste management plan update is going forward for consideration. This has been revised after feedback heard from the Industry Advisory Committee, and other advisory committees
- In the Managers Report, there is a note on a contract extension with Food Mesh food recovery network, as well as information on upcoming Waste-To-Energy Facility operations and maintenance

- An RFP for operation of the Waste-to-Energy Facility will be posted; the current operator does not intend to carry on operations beyond March 2025
- A media event hosted by Renewal Development on June 18, 2024 will feature a project to move houses from a Coquitlam neighbourhood to a First Nations community in Agassiz.
- The new software system for weigh scales is being launched, and provides a range of new benefits:
  - automated license plate reading
  - the ability to email weigh scale tickets
  - PDF invoices
- An inventory of available educational materials and information that is available to haulers is being compiled – Metro Vancouver will share the information once complete..

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 2024 Work Plan

In reference to the information items, Co-Chair Bryan noted all were attached to the agenda package.

ADJOURNMENT

Co-Chair Brian thanked Industry Advisory Committee members for their participation, comments, and feedback, and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on July 9, 2024, on Zoom, and will cover the topics of long-term disposal planning and Metro Vancouver capital plan.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:40 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary - June 11, 2024

At the June 11, 2024, Solid Waste and Recycling Industry Advisory Committee meeting, the committee members provided input and feedback on recycling and organics capacity and product markets.

A summary of feedback received is presented below.

Discussion Question	Feedback
What is currently working well?	**Recycling** • Increased availability of recycling options for different streams • In our region, there are options for recycling challenging products like polystyrene and soft plastics • Availability of recycling and waste centres help capture more recyclable materials • Better access for plastics and paper recycling compared to organics • Accessibility and convenience of recycling depots (one-stop shop approach) • Ability to collect materials (curbside blue bin, commercial/industrial); there is accessibility • Free furniture pick-up systems for residents (Facebook Marketplace, Craigslist) **Market dynamics, economic viability, and issues affecting profitability** • On the recycling side - open competitive market drives good competition
Discussion Question	**Feedback**

What could be improved? What should be prioritized?	**Behavioural challenges and related issues**
	• When contamination enters stream, the challenge is to separate materials and manage the contamination
	• Lack of understanding of and regulation on source-separation; people get confused
	• "Wish-cycling": people hope something can be recycled so they put it in recycling, which creates more problems in the system
	• Educate and reduce contaminated loads
	  o Can't trace back to specific trucks
	  o MV staff do not track down source of contamination

	o Results in increased investment into reducing contamination in loads ▪ Impacts product quality, and ultimately market uptake • Challenges with receiving materials that people don't know what to do with, so they throw into the compactor, which creates a problem o There is a difference between what "can" vs. "what is" being recycled effectively at processing facilities **Regional capacity** • In-region vs. out-of-region processing o What is real carbon footprint of in-region vs. out-of-region compost (e.g. North shore traffic) o Fraser valley (e.g. Abbotsford, Chilliwack) closer to end user o In-region not necessarily better o There is a lack of facilities to deliver compostable materials for processing; challenging to meet the high threshold and limited local capacity • For organics, out-of-region transportation appears to be only solution (very costly) • Lack of available processors for materials (certain kinds of plastics, organics). • Lack of processing capacity for bulky items (furniture). • Encourage reuse and exchange of materials **Market dynamics, economic viability, and issues affecting profitability** • Need consistent end markets and market price, which is not the case for majority of plastics and other materials today. • Markets for these products/materials are difficult to find; difficult to know where to take these products o Makes it unprofitable/difficult to do, costly for ratepayer • Profitability of recycling – if loads are contaminated, then it doesn't work. Heavily contaminated bins can't be recovered and become waste • Products that work well – ones with proven markets – are designed for recyclability, flexible packaging (examples: PET Clear bottles) – issue with some products is that they look "boring" on the shelf; enhancing packaging design could help incentivize greater uptake on product recycling

	• Different types of bins at construction sites would be helpful for sorting at source, but usually there isn't the required footprint to facilitate
	
	Regulatory environment and policy
	• Prioritize extended producer responsibility (EPR) for compliance
	• Role of Metro Vancouver
	  o Ensuring regulator is not competitor
	  o Hearing of RFPs/RFQs for Metro Vancouver organics or C&D facilities causes more uncertainty for investment
	  o To create more capacity, improve service, add technology, reduce residuals to landfill, we need to create regulatory certainty of the market
	• Ensure level playing field (through regulation)
	• Federal plastics prohibition does not take into consideration some of the market complexities, for example, flexible plastics bags in BC had recycling options
	• More legislation is needed for compostable plastic materials; compostable plastics are difficult for plastics processors to recycle
	• Need to understand barriers to develop infrastructure
	• Regulatory environment
	  o Creating more capacity/improvements to current process/access to technology
	• More transparency needed on what happens to organic and recyclable materials after they are collected
	
	Siting challenges
	• Zoning and licencing make it difficult to site organics processing facilities.
	• Land use
	  o Difficult, costly, and competitive to develop land
	  o Metro Vancouver making land available could level the playing field
	  o Same issue as for Construction and Demolition
	  o Developing recycling requires land and cost
	• Environmental challenges to find sites for processing of organics
	• Cost of land to successfully increase processing capacity
	• Collection of materials from commercial/institutional and construction and demolition sectors. Lack of space for containers

	Collaboration, technology and innovation • Investment in AI/technology could improve quality of product
Discussion Question	**Feedback**
What are some examples of potential solutions? Are there additional things we should be considering?	**Recycling** • Identify materials that are effectively recycled, and focus on ensuring those are separated effectively • Focus on recyclables that have a viable market • Provide more information about what can/can't be recycled to get cleaner streams – more valuable material going toward recycling • Need capacity for pre-sorting prior to materials going to processing facility – need a system to take contamination out even after 'source separation' from residents and businesses, as contamination still exists o Pricing needs to also reflect this extra step **Behavioural challenges and related issues** • Stop telling public to recycle something that can't be recycled effectively at the existing processing facilities with existing markets • Education is important; mostly needed on the commercial and multi-family side; residential is not as much an issue **Market dynamics, economic viability, and issues affecting profitability** • Metro Vancouver/member jurisdictions should have mandates to use compost material (e.g. wood chips) to drive end markets to allow recycling operations to flourish o Don't own/operate, but drive end markets • Need stable environment to allow competition to occur at pricing that can allow a business to get an adequate return **Regulatory environment and policy matters** • More leadership from all levels of government is needed to provide more regulatory certainty • Focus efforts on behavioural change, instead of where processing occurs (in, or out, or region) • Improving quality of material and adopting innovation o Consider AI solutions (e.g. for organics) ▪ automatically notifies the correct address o Include these things in RFPs/bylaws • Provide tax incentives for producers that incentivize design for recyclability

	• Create more capacity/improvements to current process/access to technology • There are still a lot of consumer products that are not recyclable that create contamination; need policy/requirements for products to ensure packaging is all recyclable • Appropriate mix of incentives and penalizations for producers who do no follow rules/regulations ("carrot and stick") **Collaboration, technology and innovation** • Metro Vancouver working with municipalities on licencing of organics processing facilities. Expedite process or other incentives. Partnerships to find beneficial uses • Better ways to separate clean wood from demolition loads that can be financially beneficial • Improve reporting from facilities and data tracking • Include recycled materials in procurement for new builds; there is a need to require an amount of recycled/reused materials • Develop a notification system for haulers who may be collecting from producers who are known to break rules

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Edwin Berkhof, Evergen Infrastructure Corp.
Jeremy Crawford, Waste Control Services
Happy Deol, Super Save Group
Glen Furtado, Cement Association of Canada
Grant Hankins, Canada Minibins.com Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
Gord Johnson, Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Canada Ltd.
Mike Lannin, Super Save Group
Patrick MacNeil, Wescan Disposal Ltd.
Achilles Mallari, Sierra Waste Services Ltd.
Matthew McAra, GFL Environmental Inc.
Ralph McRae, Revolution Infrastructure Inc.
David Millman, Waste Management of Canada Corp.
Maya Moucachen, Merlin Plastics
Dimitri Pantazopoulos, Waste Connections of Canada
Shad Prasad, Cascade Recovery +
Ken Schultze (Alternate for Fabio Scaldaferri), Pacific Mattress Recycling Inc.
Sandy Sigmund, Encorp Pacific Canada, Return-It
John Turner, BC Biocarbon Ltd.
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Pinky Vargas, Republic Services
Stewart Young, GFL Environmental Inc.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, July 9, 2024
2:00 pm – 4:00 pm
A G E N D A

1. AGENDA

1.1 July 9, 2024 Meeting Agenda

2. MINUTES

2.1 June 11, 2024 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Follow-up on organics management/capacity
For input/feedback
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

3.2 Draft Metro Vancouver 5-Year Capital Plan
For input/feedback
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

3.3 Long-Term Disposal Planning / Vancouver Landfill
For input/feedback
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

Small group and plenary discussions proposed questions:
- *What infrastructure is most important for Metro Vancouver to prioritize for public investment?*
- *How should the private sector be involved in infrastructure development for the region?*

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. INFORMATION ITEMS

5.1 Regional Waste Flows
5.2 2024 Work Plan

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
Diamant, Jen – Capital Salvage
Furtado, Glen – Cement Association of Canada
Gontovnick, Jeff – 1-800-GOT-JUNK?
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Jessa, Imran – Delta Textiles Exporters Inc.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kiani, Aiden – Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McAra, Matthew – GFL Environmental Inc.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Scaldaferri, Fabio – Pacific Mattress Recycling Inc.
Skei, Dayton – Evergen Infrastructure Corp.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Turner, John – BC Biocarbon Ltd.
Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
Vargas, Pinky - Republic Services
Young, Stewart, GFL Environmental Inc.
Zarbl, Michael - Major Appliance Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Henderson, Paul – Metro Vancouver
Joy, Samantha - Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, July 9, 2024, via Zoom Video Conference.

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Jeremy Crawford, Waste Control Services
Happy Deol, Super Save Group
Christian Dietrich, Ecowaste Industries
Grant Hankins, Canada Minibins.com Ltd.
Gord Johnson, Northstar
Jamie Kaminski, HSR Zero Waste
John Turner, BC Biocarbon Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
Sean Kawakami, Convertus Canada Ltd.
Aiden Kiani, Lock-Block Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Mike Lannin, Super Save Group
Angus MacFarlane, Growing City
Patrick MacNeil, Wescan Disposal Ltd.
Achilles Mallari, Sierra Waste Services Ltd.
Ralph McRae, Revolution Infrastructure Inc.
David Millman, Waste Management of Canada Corp.
Dimitri Pantazopoulos, Waste Connections of Canada
Shad Prasad, Cascade Recovery +
Ken Schultze, (Alternate for Fabio Scaldaferri, Pacific Mattress Recycling Inc.)
Dayton Skei, EverGen
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Pinky Vargas, Republic Services
Michael Zarbl, Major Appliance Recycling Roundtable

MEMBERS ABSENT

James Collins, Tymac Launch Service Ltd.
Jen Diamant, Capital Salvage
Glen Furtado, Cement Association of Canada
Jeff Gontovnick, 1-800-GOT-JUNK?
Imran Jessa, Delta Textiles Exporters Inc.
Matthew McAra, GFL Environmental Inc.
Maya Moucachen, Merlin Plastics
Sandy Sigmund, Encorp Pacific Canada, Return-It
Stewart Young, GFL Environmental Inc.

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Brooke Atkinson, Senior Engagement Specialist, Solid Waste Services
Chris Clarke, Engagement Specialist, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services
Zack Ha, Administrative Assistant, Solid Waste Services
Zeenia Mizan, Program Assistant, Community Engagement, Solid Waste Services

PREPARATION OF MINUTES: Megan Krempel, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

July 9, 2024
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
   1.1. July 9, 2024, Meeting Agenda
2. Minutes
   2.1. June 11, 2024, Meeting Minutes
3. Reports and Items for Discussion
   3.1. Follow-up on Organics Management Capacity
   For Information and input
   Designated speaker: Paul Henderson, Metro Vancouver, Solid Waste Services
   3.2. Draft Metro Vancouver 5-Year Capital Plan
   For input/feedback
   Designated speaker: Paul Henderson, Metro Vancouver, Solid Waste Services
   3.3. Long-Term Disposal Planning / Vancouver Landfill
   For input/feedback
   Designated speaker: Paul Henderson, Metro Vancouver, Solid Waste Services
   Small group and plenary discussions proposed questions:
   - *What infrastructure is most important for Metro Vancouver to prioritize for public investment?*
   - *How should the private sector be involved in infrastructure development for the region?*
4. Other Business
   4.1. Zero Waste Committee and Other Updates
   For information
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
5. Information Items
   5.1. Regional Waste Flows
   5.2. 2024 Work Plan

Co-Chair Lori Bryan called the meeting to order at 2:04 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting. The Co-Chair reviewed Zoom meeting protocols and welcomed new Industry Advisory Committee member, Dayton Skei, EverGen Infrastructure Corp.

In response to a query regarding the whether non-IAC members could attend meetings, it was noted that the virtual Industry Advisory Committee meetings are live-streamed and accessible to anyone via the Metro Vancouver website, including the public. In-person Industry Advisory Committee meetings are not live-streamed, but members of the public can attend and observe by contacting Metro Vancouver staff.

1. AGENDA

1.1 July 9, 2024, Meeting Agenda

Co-Chair Bryan reviewed the July 9, 2024, meeting agenda. No additions were made.

2. MINUTES

2.1 June 11, 2024, Meeting Minutes

Co-Chair Bryan called for any additions or changes to the meeting Minutes of June 11, 2024. There were no changes or additions to the meeting Minutes of June 11, 2024.

It was noted that Feedback Summary Reports of the small group discussions from May and June had been posted on the Industry Advisory Committee website. Anyone experiencing challenges with locating the reports was encouraged to contact Metro Vancouver staff.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Follow-up on Organics Management Capacity

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, provided follow-up information on organics management capacity and procurement processes that are under development, noting the following:

- Metro Vancouver operates six recycling and waste centres which receive 60,000 tons of organics per year broken into four categories of materials.
    - All five municipalities in the North Shore deliver single-family residential collection organics to the North Shore Recycling and Waste Centre, comprised typically of 70% yard waste and 30% food scraps.
    - Yard trimmings are accepted at all facilities at $113/tonne
    - Clean wood is at the same rate.
    - Since fall 2022, the North Shore Recycling and Waste Centre has accepted commercial organics (food scraps). This pilot program was possible because there was capacity to receive the materials into the existing receiving area, which is operated separately from the rest of the recycling centre.
    - At all facilities - Up to 100 kilograms (kg) of organics will be accepted at the same rates as Metro Vancouver facilities and regular commercial collection programs.
- Metro Vancouver has contracts for managing organics from Metro Vancouver facilities, with Arrow, Sea to Sky Soils, and Anaconda Systems
- The Metro Vancouver Board directed that in-region options be explored for managing organics

- Metro Vancouver is working on a procurement process designed to explore the potential to contract for the processing of some Metro Vancouver organics locally over the long term.
- An approach is being considered that would specify a radius from the centre of the Metro Vancouver solid waste system (United Boulevard Recycling and Waste Centre), and require that processing facilities be within this radius to reduce transportation issues
- Contract would be for new capacity, and not displace existing material
- Expectation it would take a number of years for capacity to be developed
- Currently working on details of the procurement process

3.2 Draft Metro Vancouver 5-Year Plan

Paul Henderson provided a high-level summary of a report recently presented to the Metro Vancouver Zero Waste Committee in regard to a draft Solid Waste Services Draft 5-Year Capital Plan. The draft plan, along with the five year financial plan, will be presented to the Board in October 2024.

Further comments were offered regarding:

- Projection – this is an opportunity to provide feedback before the capital plan and budget workshop in the fall
- Capital Plan drivers, including maintenance, resilience, upgrade, and opportunity:
    - Metro Vancouver will be clarifying the definitions of these categories
- 2025-2029 Solid Waste Capital Plan Expenditures:
    - Costs of approximately $60 million in capital per year over the 5-year period
- Need for re-budgeting:
    - Some projects taking longer to get into procurement than anticipated
    - Monies expected to be spent in 2024, would be moved to 2025
- Key projects:
    - Waste-to-Energy Facility District Energy project
    - Two recycling depots (North Surrey and Langley)
    - Biosolids processing
    - Facility maintenance and capital replacement
    - Solid waste facility land purchase 2029:
        - An allocation of $50 million set aside for land purchase for new solid waste facility
        - Land has become a significant component of facility costs
- Focus on capital investments and contracting with private sector to manage materials and build and manage facilities.

During discussion, comments were offered related to:

- The biosolids processing project has been in the works for a number of years
- Approval provided by the Province of BC for up to 25,000 tonnes/year of biosolids at the Waste-to-Energy Facility.
- Intention for bottom ash recycling is to contract with the private sector to provide processing of the material

3.3 Long-Term Disposal Planning / Vancouver Landfill

Paul Henderson provided an update on the residential and commercial institutional garbage data for 2023 and noted:

- 2023 data was similar to 2022 data
- Vancouver Landfill received 680,000 tonnes of garbage, 220,000 waste-to-energy tonnes, and 100,000 tonnes in contingency for a total of approximately 1 million tonnes of municipal solid waste in 2023
- Three landfills are being used for contingency disposal in Cache Creek, eastern Washington, and eastern Oregon
- Materials received at Vancouver Landfill included regular garbage, bottom ash, treatment plant residuals, and construction/demo waste for a total of 743,000 tonnes in 2023, close to the Operational Certificate annual limit of 750,000 tonnes per year
- Contingency is expensive and efforts were being made to get as close to 750,000 without going over
- The Vancouver Landfill, located in the City of Delta, is 225 hectares and sits on a property size totalling 320 hectares
- The Western 40 hectares received construction demo waste but is now closed
- Two sets of agreements:
    - Tripartite Agreement between MV, the City of Vancouver, and the City of Delta, expires in 2037
    - Vancouver-Delta Agreement expiries 2037 or at 20 million tonnes from 1997:
        - It is anticipated that the 20 million tonne limit will be reached by 2030; however, the physical site capacity is more than 20 million tonnes
        - The City of Delta has communicated that it has initiated financial conversations with the City of Vancouver and will consider an extension beyond the 20 million tonnes
- A Morrison Hershfield Study is conducting research on residuals management and how garbage is managed around the world in similar jurisdictions, including in Canada, the United States, Europe, Japan, and Australia:
    - The study will review options for residual waste management and emerging technologies.

Related to the issue of disposal capacity, a member shared that a proposal is in development for a private transfer station. The facility could receive 750,000 tonnes per year, is locate centrally in the Lower Mainland. Waste would be shipped to a remote disposal. Barge transport would be less costly than land or rail travel and involve lower greenhouse gas (GHG) emissions.

Industry Advisory Committee members moved into breakout groups and had 20 minutes to consider the questions below, or any other relevant questions put forward. Each breakout group included a Metro Vancouver staff note taker.

Questions for consideration:

- *What infrastructure is most important for Metro Vancouver to prioritize for public investment?*
- *How should the private sector be involved in infrastructure development for the region?*

Following the small group discussions, a representative from each group reported back on key highlights from their discussions.

Feedback summaries from the small group discussions will be posted to the Industry Advisory Committee web page separately from the minutes.

Discussion continued with committee members. Members were asked to provide further comment and consider what barriers existed for the private industry to invest in infrastructure.

Comments were offered related to:

- Obtaining a license/permit under the current regulation is done over a short amortization period:
    - Land in the Lower Mainland is expensive
    - Construction and equipment costs make it challenging
    - The process between the private sector and the regulator
- Investment certainty from a regulatory standpoint is necessary for private sector involvement
- Regulators can create uncertainty in the investment cycle and may prevent a group from achieving their rate of return and return on investment
- Suggestion there was a conflict with Metro Vancouver investing in R&D:
    - Private sector invests billions of dollars into innovation, and they would be competing with the regulators use of taxpayer's dollars who could ultimately "build their own mouse trap"
- Yard waste contract gains are not significant and a 20,000-30,000 tonne contract would not encourage development of anaerobic digestion infrastructure projects
- Suggestion that organics, with its higher energy potential, be captured by the Industrial, Commercial, and Institutional (ICI) sector
- The benefits of private sector involvement:
    - Private sector has substantial resources
    - Competition drives innovation
    - Segregation of organics
- Concerns with Metro Vancouver simultaneously being the regulator and the competition
- Our goal should be to align the solid waste management plan update for better outcomes for the environment
- Frustration over the accuracy of recycling rates and understanding how much actually goes to the landfill
- The importance of setting realistic targets and achievable goals in order for them to be backed by investments.

The Chair confirmed that the input and feedback were being captured and would be summarized, shared with the Zero Waste Committee, and included in the SWMP update.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson provided an update on recent discussions and activities of the Zero Waste Committee, and reported on:

- Capital Plan
- Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw:
    - Update to an existing GVS&DD bylaw that was put in place in May around liquid waste bylaws and the ability to apply up to $500 administrative penalties

    - This update identifies specific contraventions of Bylaw 181 for which notices of bylaw violations could be applied, and the amount of those notices of bylaw violations.
- Disposal Ban Program:
    - Annual update on Metro Vancouver's work with incentivizing haulers to work with their customers to encourage more recycling
- Proposed new commercial organics fee at the North Shore Recycling Waste Centre:
    - Have been receiving commercial organics at the facility since fall 2022
    - Organics were initially blended with other organics but now must be managed separately, which is more expensive
    - The proposed new fee for commercial organics will increase from $113/tonne to $140/tonne to and would take effect September 1, 2024
- 2023 waste composition data:
    - Similar waste composition information in 2023 as seen in 2022
- Manager's report:
    - Expanded reuse opportunities at North Shore Recycling Waste Centre
    - Working with non-profit organizations to expand the opportunity to drop off reusable materials at centres in Surrey and Coquitlam, potentially to accommodate the drop off of furniture
    - District Energy project RFI underway for contracts for the installation of six kilometres of pipe from the waste centre facility
    - Another RFQ process for the energy centre will be done at a later date.

A member emphasized the desire for stakeholders to be more involved in discussions on regional initiatives and projects. The Chair suggested sharing the summary report from the Industry Advisory Committee small group discussions with the Zero Waste Committee.

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 Industry Advisory Committee 2024 Work Plan

No questions were raised in relation to the Information Items.

The Industry Advisory Committee participated in a poll for whether members would prefer the October meeting to be in person or virtual. The October meeting would focus on the solid waste management plan update and idea generation. The poll results reflected a preference for an in-person meeting.

ADJOURNMENT

Co-Chair Bryan thanked members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on September 10, 2024, in person.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:55 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary – July 9, 2024

At the July 9, 2024 Solid Waste and Recycling Industry Advisory Committee meeting, committee members provided input and feedback on long term disposal planning and the solid waste capital budget.

A summary of feedback received is presented below.

Discussion Question	Feedback
What infrastructure is most important for Metro Vancouver to prioritize for public investment?	**Existing Facilities** • Invest in upgrading existing facilities, work with what we have – focus on recovery and sorting of materials • Invest in additional equipment – compactors • Prioritize getting recyclable materials out of the waste stream **Waste-to-Energy** • Look at the long-term capability of Waste-to-Energy Facility and the rationale of expanding with District Energy • Incineration is an alternative to landfill within the region when considering land availability and development costs. Understanding that there is opposition to incineration as well. **Landfill** • No further expansion of the landfill – opinion that the general public does not want that **Organics** • Need to look at other options to expand on organics disposal and processing site options. • Current challenges: There are a lot of organics in the region to deal with and this will only increase – a lot of organics are not being recycled due to lack of processing capacity and technology and high cost. **Incentives** • Encourage private investment in recycling • Develop sustainable end-use markets for recyclable materials Increase capacity and reduce or eliminate the need to ship waste out of the region by incentivizing development of new licensed private facilities

	New facilities • Need more construction and demolition waste disposal and recycling facilities • Re-use infrastructure and programs that stimulate end-use markets • Avoid any new public investment in developing infrastructure • Prioritize dedicated reuse infrastructure to help grow circular economy
Discussion Question	**Feedback**
How should the private sector be involved in infrastructure development for the region?	**Facility Ownership and Development** • Suggest Metro Vancouver sell all facilities and allow the private sector to purchase the facilities. Metro Vancouver will regulate, the private sector will manage and operate. • Allow the private sector to develop infrastructure: o Increase competitive space in the market (for industry) o Accelerated licensing timelines for new facilities and services • Align with regional/municipal goals while working with the private sector to develop infrastructure • Avoid public investment in infrastructure that can be replicated by private industry **Industry Leadership** • Private sector should be leading the way; providing capital and taking the risk – leading with innovation • Set up a percentage of fees to be collected for research and development (private sector to spearhead R&D) • Prioritize innovation to reduce waste **Public/Private Partnerships** • Need more collaboration in the future – can learn from New York City and London, UK. • Streamline procurement processes to lower overhead and decrease timelines • The private sector should be leading infrastructure development within a framework regulated by Metro Vancouver • Surrey Biofuel is an example of successful private investment in infrastructure development, working with government to deliver the service.
	Additional comments
	• Requirements of Bylaw 181 and the amended Tipping Fee Bylaw make infrastructure development more difficult for industry vs. Metro Vancouver

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)

Izzie Abrams, Waste Connections of Canada

Jeremy Crawford, Waste Control Services

Happy Deol, Super Save Group

Christian Dietrich, Ecowaste Industries

Grant Hankins, Canada Minibins.com Ltd.

Gord Johnson, Northstar

Jamie Kaminski, HSR Zero Waste

John Turner, BC Biocarbon Ltd.

Josh JansenVandoorn, Anaconda Systems Ltd.

Sean Kawakami, Convertus Canada Ltd.

Aiden Kiani, Lock-Block Ltd.

Leanne Koehn, Ridge Meadows Recycling Society

Mike Lannin, Super Save Group

Angus MacFarlane, Growing City

Patrick MacNeil, Wescan Disposal Ltd.

Achilles Mallari, Sierra Waste Services Ltd.

Ralph McRae, Revolution Infrastructure Inc.

David Millman, Waste Management of Canada Corp.

Dimitri Pantazopoulos, Waste Connections of Canada

Shad Prasad, Cascade Recovery +

Ken Schultze, (Alternate for Fabio Scaldaferri, Pacific Mattress Recycling Inc.)

Dayton Skei, EverGen

Jasper Van de Wetering, Heidelberg Materials Canada Ltd.

Pinky Vargas, Republic Services

Michael Zarbl, Major Appliance Recycling Roundtable

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, September 10, 2024
1:00 pm – 4:00 pm

Alan Emmott Centre
6650 Southoaks Crescent, Burnaby, BC

AGENDA

1. AGENDA

1.1 September 10, 2024 Meeting Agenda

2. MINUTES

2.1 July 9, 2024 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Weigh Scale Software System Upgrade
For information and feedback
Designated Speaker: Lynne Vidler, Lead Senior Engineer, Solid Waste Operations

3.2 Generator Levy and Competition
For input/feedback – small group discussions / full committee discussion
Designated Speaker (presentation): Paul Henderson, General Manager, Solid Waste Services

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 Waste-to-Energy Facility Tour Update
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

5. INFORMATION ITEMS

5.1 Regional Waste Flows
5.2 2024 Industry Advisory Committee Meeting Schedule (upcoming meetings)
5.3 2024 Work Plan

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:
Abrams, Izzie – Waste Connections of Canada
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
Diamant, Jen – Capital Salvage
Furtado, Glen – Cement Association of Canada
Gontovnick, Jeff – 1-800-GOT-JUNK?
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Jessa, Imran – Delta Textiles Exporters Inc.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kiani, Aiden – Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McAra, Matthew – GFL Environmental Inc.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Scaldaferri, Fabio – Pacific Mattress Recycling Inc.
Skei, Dayton – Evergen Infrastructure Corp.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Turner, John – BC Biocarbon Ltd.
Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
Vargas, Pinky - Republic Services
Young, Stewart, GFL Environmental Inc.
Zarbl, Michael - Major Appliance Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:
Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Henderson, Paul – Metro Vancouver
Joy, Samantha - Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 1:00 p.m. on Tuesday, September 10, 2024, in-person at the Alan Emmot Centre.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Aidan Kiani, Lock-Block Ltd.
Angus MacFarlane, Growing City
Christian Dietrich, Ecowaste Industries
Dayton Skei, EverGen
Dimitri Pantazopoulos, Waste Connections of Canada
Glen Furtado, Cement Association of Canada
Ken Schultze, (Alternate for Fabio Scaldaferri, Pacific Mattress Recycling Inc.)
Glen Furtado, Cement Association of Canada
Happy Deol, Super Save Group
James Collins, Tymac Launch Service Ltd.
Jamie Kaminski, HSR Zero Waste
Maya Moucachen, Merlin Plastics
Michael Zarbl, Major Appliance Recycling Roundtable
Mike Lannin, Super Save Group
Patrick MacNeil, Wescan Disposal Ltd.
Pinky Vargas, Republic Services
Ralph McRae, Revolution Infrastructure Inc.
Shad Prasad, Cascade Recovery +

MEMBERS ABSENT

Lori Bryan, Waste Management Association of BC
Achilles Mallari, Sierra Waste Services Ltd.
David Millman, Waste Management of Canada Corporation
Gord Johnson, Northstar
Grant Hankins, Canada Minibins.com Ltd.
James Collins, Tymac Launch Service Ltd.
Imran Jessa, Delta Textiles Exporters Inc.
Izzie Abrams, Waste Connections of Canada
Jasper van de Wetering, Heidelberg Materials Canada Ltd.
Jeremy Crawford, Waste Control Services Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Matthew McAra, GFL Environmental Inc.
Sandy Sigmund, Encorp Pacific Canada, Return-It
John Turner, BC Biocarbon Ltd.
Sean Kawakami, Convertus Canada Ltd.
Stewart Young, GFL Environmental Inc.

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Chris Clarke, Engagement Specialist, Solid Waste Services
Karen Storry, Senior Engineer, Solid Waste Services
Lynne Belanger, City of Vancouver
Lynne Vidler, Lead Senior Engineer, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Services
Zack Ha, Administrative Assistant, Solid Waste Services
Zeenia Mizan, Program Assistant, Solid Waste Services

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

September 10, 2024
1:00 PM – 3:00 PM
In-Person

Agenda

1. Agenda
   1.1. September 10, 2024, Meeting Agenda
2. Minutes
   2.1. July 9, 2024, Meeting Minutes
3. Reports and Items for Discussion
   3.1. Weigh Scale Software System Upgrade
   For Information and feedback
   Designated speaker: Lynne Vidler, Metro Vancouver, Solid Waste Operations
   3.2. Generator Levy
   For input/feedback
   Designated speaker: Paul Henderson, Metro Vancouver, Solid Waste Services
   Small group and plenary discussions proposed questions:
   - *What are your thoughts on the generator levy? What does it accomplish?*
   - *What challenges do you see with the generator levy and how can they be addressed?*
   - *How does the generator levy affect competition?*
   - *What alternative regulatory approaches could be considered for Metro Vancouver?*
     - *Where are those approaches successfully used?*
     - *What are the outcomes?*
4. Other Business
   4.1. Zero Waste Committee and Other Updates
   For information
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
   4.2. Waste-to-Energy Facility Tour
5. Information Items
   5.1. Regional Waste Flows
   5.2. 2024 Solid Waste and Recycling Industry Advisory Committee Meeting Schedule (upcoming meetings)
   5.3. Industry Advisory Committee 2024 Work Plan

Co-Chair, Director Craig Hodge, called the meeting to order at 1:03 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting.

1. AGENDA

1.1 September 10, 2024, Meeting Agenda

Co-Chair Hodge reviewed the September 10, 2024, meeting agenda. No additions were made.

2. MINUTES

2.1 July 9, 2024, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of July 9, 2024. There were no changes or additions to the meeting Minutes of July 9, 2024.

It was noted that a Feedback Summary Report of the July small group discussion is located on the committee webpage under the July meeting tab . Anyone experiencing challenges with locating the reports was encouraged to contact Metro Vancouver staff.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Weigh Scale Software System Upgrade

Lynne Vidler, Lead Senior Engineer, Solid Waste Operations, Metro Vancouver, reviewed information on the new scale software system upgrade, noting the following:

- Weigh scale software collects weights for inbound and outbound transactions, calculates cost per load based on Tipping Fee Bylaw provisions, and processes disposal ban surcharges.
- Field testing was completed at Central Surrey Recycling and Waste Centre in April and May 2024.
- Go-live dates that have been completed include Central Surrey (June 1, 2024), Maple Ridge (July 31, 2024), and Langley (August 20, 2024)
- Upcoming go-live dates include North Surrey Recycling and Waste Centre, Waste-to-Energy Facility, and North Shore Recycling and Waste Centre (expected October and November 2024)
- Upgraded features include:
  - Account customers will receive separate monthly invoices for updated facilities and non-converted facilities until all facilities are upgraded to new software
  - Fully integrated with Moneris point of sale system
  - Invoices out of the new software will now be emailed to the financial e-mail address on file; invoicing is completed on or around the 10th of each month.
  - Account customers receive emailed site tickets immediately after a vehicle has completed a transaction at a facility for all converted facilities.
  - Once all sites are fully updated, scheduled reports are to be sent on a daily, weekly, or monthly basis (customers can request their preference).
  - Software will enable future upgrade to touch screen unattended terminals and eventually the reduction of multiple cards per vehicle.
- Information required from account customers includes:
  - Any updated fleet vehicle information – new license plates or new vehicles missing from the account

- Any changes to billing or mailing address
- A contact for Finance to receive ticket copies, e-surcharges, and invoices
- An operations contact to resolve operational/vehicle issues when a driver visits a site
- All updates should be emailed to weighscalesystem@metrovancouver.org.

3.2 Generator Levy/Competition

Paul Henderson, General Manager, Solid Waste Services, shared a presentation on the Generator Levy and competition. Highlights included:

- Waste reduction and recycling achievements and an overview of facility locations
- Overview of the benefits of a public solid waste system
- Comparison of average tipping fees in comparable jurisdictions and an overview of the benefits of the generator levy from Metro Vancouver's perspective.
- Various examples of investments enabled by the generator levy were shared, including:
  - Two new recycling and waste centers (2022)
  - Residential disposal events in partnership with member jurisdictions
  - Mattress recycling and funding for municipal recycling depots
  - Recycling depot development at Langley and North Surrey recycling and waste centres
  - Waste-to-Energy Facility district energy development
  - Bottom ash beneficial use pilots
- Greater Vancouver Sewerage and Drainage District Board approved changes to Tipping Fee Bylaw related to the generator levy on June 28, 2024
- These changes include streamlined definitions, strengthened generator levy-related records management requirements, and improved enforceability of the bylaw
- Previous feedback received from the haulers regarding the generator levy.
- The Industry Advisory Committee feedback will be reported to the Zero Waste Committee, incorporated and included in the feedback for the Idea Generation phase of engagement on the solid waste management plan update, and considered in the next phase of engagement.

Paul Henderson asked if anyone had any initial questions or comments on the presentation shared. The following questions and comments were raised:

- Curiosity regarding Metro Vancouver's determining the tipping fee amount for Toronto and if private facilities were also considered
  - The response was that the Toronto tipping fee was listed on the City of Toronto's website; Metro Vancouver is aware that there are private facilities, but for this comparison, the fee considered was referenced from the City of Toronto website
- Further information was requested on why Metro Vancouver shared the tipping fees for Seattle and San Francisco
  - The response was that Metro Vancouver selected larger cities and systems that were more complex yet comparable to the Metro Vancouver model

Industry Advisory Committee members were separated into breakout groups and had 20 minutes to consider the questions below or suggest any other relevant questions. Each breakout group included a Metro Vancouver staff note taker, and a representative from each group provided a report back to the larger group on highlights of their discussions.

Questions for consideration:

- *What are your thoughts on the generator levy? What does it accomplish?*
- *What challenges do you see with the generator levy and how can they be addressed?*
- *How does the generator levy affect competition?*
- *What alternative regulatory approaches could be considered for Metro Vancouver?*
  - *Where are those approaches successfully used?*
  - *What are the outcomes?*

Following the small group discussions, a representative from each group reported back on key highlights from their discussions.

A feedback summary from the small group discussion will be posted to the Industry Advisory Committee web page separately from the minutes. The Chair confirmed that the input and feedback were being captured and would be summarized, reported to the Zero Waste Committee, and included in the plan update.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson provided an update on recent discussions and activities of the Zero Waste Committee:

- The *Integrated Solid Waste and Resource Management Plan* Biennial report was distributed for feedback; this feedback was reported to the Zero Waste Committee last week and will be provided to the Ministry of Environment and Climate Change Strategy
- The Waste-to-Energy Facility financial summary is an annual report where the cost of operating the Waste-to-Energy facility is summarized; this year, additional items were included in this summary, including:
  - Identification of debt associated with projects at Waste Energy Facility
  - Comparisons of the net cost for the Waste-to-Energy Facility, Vancouver Landfill, and contingency disposal; when accounting for recycling and waste center costs. The cost of managing waste through Metro Vancouver's contingency disposal contracts is roughly twice as much as the cost of managing waste at the Vancouver Landfill and Waste-to-Energy facility.
- Extended producer responsibility update:
  - The provincial government has a five-year plan that involves adding new materials to the EPR program, including mattresses, compressed canisters, fire extinguishers, medical sharps and other products, intended to be in place for 2025; however, feedback was received from the province in August 2024 that the regulations will not be updated this fall. The Board will write the province to stress the importance of including these materials in the regulations
- Manager's report:
  - Upcoming engagements include:
    - Notice of Bylaw Violation – adding Tipping Fee Bylaw provisions
    - A proposed amendment to the Waste-to-Energy Facility Operational Certificate to delay the reduction in discharge limits for sulphur dioxide and hydrogen chloride for 3 years
    - Solid waste management plan update - idea generation

- Single-use item and plastic waste prevention update
- Textiles update
- 2024 Smart Waste Program Report published in August 2024
- District Energy – British Columbia Utilities Commission exemption granted in August 2024

A member asked about a recently closed private facility where waste remains unattended at the site.

Paul Henderson explained that there is a regulatory process currently underway. The member requested that the outcome of this process be shared with the committee once details are publicly available.

4.2 Waste-to-Energy Facility Tour

The tour was postponed to accommodate in-person meetings in September and October 2024. A new date will be scheduled, and all members are welcome to attend. An invitation for the new tour date will be sent out in the next couple of weeks.

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 2024 Solid Waste and Recycling Industry Advisory Committee Meeting Schedule (upcoming meetings)

5.3 Industry Advisory Committee 2024 Work Plan

No questions were raised in relation to the Information Items.

ADJOURNMENT

Chair Hodge thanked members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on October 8, 2024, in person at Element Vancouver Metrotown, in Burnaby and would focus on idea generation for the solid waste management plan update.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:03 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary – September 10, 2024

At the September 10, 2024 Solid Waste and Recycling Industry Advisory Committee meeting, committee members provided input and feedback on the generator levy. A summary of feedback received is presented below.

This feedback will be considered as part of the idea generation phase of engagement on the solid waste management plan update, and will also be reported to the Zero Waste Committee.

Discussion Questions	Feedback

What are your thoughts on the generator levy?	• Understand the intent, but it seems overly complicated
	• Seems like a tax might work better rather than asking haulers to collect and remit
	• Recyclers benefit from a higher garbage tipping fee as it incentivizes recycling
	• Questions related to changing the current system, if we didn't have the generator levy:
	  • Who will take on the burden of social change initiatives, if not the public entity funding such initiatives (through generator levy)?
	  • Who will build recycling depots?
	• Generator levy is important to fund the system but should be funding work to create regulations that restrict materials from being disposed and invest in technology for source-separation.

What does it accomplish?	• Prevents the flow of waste outside the region by making it more costly to dispose of waste outside of Metro Vancouver • Discourages use of less costly private sites • Generator levy is important as it helps to fund recycling initiatives such as mattress recycling, education, and behaviour change campaigns • Generator levy helps to raise capital funds for the maintenance and development of Metro Vancouver facilities • Generator levy helps to pay for the recycling and waste system in Metro Vancouver, but it also stifles innovation and competition • Captures loss of revenue if waste is transferred out of the region • The generator levy is required to avoid taxation to fund the public system • Re-use programs are an example of solutions that address gaps in the system, which accompany the current approach led by Metro Vancouver and can be funded by the generator levy

Discussion Question	Feedback

What challenges do you see with the generator levy and how could these be addressed?	• Metro Vancouver has the advantage of being able to send waste out of the region at a lower rate than private businesses (as private businesses would pay the generator levy on top)
	• Generator levy's main focus is transferring waste to regional facilities (landfill/waste-to-energy). Instead, prefer to see money go into longer-term processing solutions (e.g. pre-sorting and pulling out some recyclables, equipment, processing capacity)
	• Recycling rates are set by the market and it fluctuates a lot; not a lot of money to be made so private companies may not be able to invest.
	• Neighbouring jurisdictions don't have the same rules so haulers from outside the region can avoid the levy (Metro Vancouver staff note: haulers from outside of the region picking up garbage within Metro Vancouver are obligated to pay the generator levy the same as local haulers).
	• No proof of stated benefits that the generator levy increases waste reduction, increases efficiency, and reduces GHG's.
	• People are not clear on what the levy is, and how it works exactly. A presentation on how it works would be helpful.
	  • Increase transparency on where materials go after being received at Metro Vancouver facilities.
	  • What about residuals from recycling facilities? Is that a loophole?
	  • Explain the provision that prevents the generator levy from being collected twice for the same waste (for example when a private facility sends waste to Metro Vancouver facility)
	• Metro Vancouver's comparisons to other jurisdictions are not applicable. For example, private facility rates in Toronto are much lower than the rates charged at City of Toronto facilities.

Discussion Question	**Feedback**
How does the generator levy affect competition?	• No compelling evidence supporting that the current approach is creating innovation. • Creates higher business costs across operations and supply chains. • The current price of $145 is not competitive (for private facilities). Metro Vancouver has funds and existing infrastructure, and being both regulator and competitor, it's not fair competition.

	• Comment that Metro Vancouver will not license any private facility to receive municipal waste in the region. • Currently haulers end up winning contracts based on proximity to facilities as opposed to other factors • Ensures that only Metro Vancouver can take waste out of the region, which has negatively impacted smaller waste businesses.
Discussion Question	**Feedback**

What alternative regulatory approaches could be considered for Metro Vancouver?	• Fees collected at solid waste facilities need to go up to encourage more recycling
	• Cost of the generator levy should be charged upfront (at the point of sale or the beginning of the product life cycle) rather than at the time of disposal; so the payment amount is still based on the level of consumption, but it's at the front end instead of the disposal end.
	  • For example: Everyone pays half a cent for items bought – including visitors – so it's not all borne by the residents since visitors create a lot of waste.
	• Distribute the costs more evenly throughout the system
	• Incentivize with lower disposal fees on items that are highly recyclable
	• Put in a mechanism to report tonnage for private transfer stations and use that to fund the public regulatory system
	• Politically, it would be better to have a higher levy so those costs are baked into the services provided to municipalities
	• Look and what Singapore, Taiwan, and other high-density populations where there's a lot of waste generation potential. Are there takeaways we can adopt?
	• Less government intervention/input; the private sector can be more nimble than the regional district or the province.
	• Standardize requirements through provincial regulation – need legislation passed to establish a broader approach to long term waste management
	• Look at how we're spending the money now, to help analyze how effectively the funds are being used; is there a way we can manage the money from generator levy better to increase value from our efforts?
	  • Example: San Francisco's disposal rate high because they apply a levy on waste, take money back from the levy and apply the surplus to subsidize recycling
	• Suggest Metro Vancouver put regional facilities up for auction and focus on regulating and compliance. Let private industry manage facilities and provide services.
	• Suggest a hybrid version where private sector can accept waste, pay a discounted generator levy to acknowledge their

	investment in infrastructure, and must accept the same materials as Metro Vancouver sites
Additional Comments	**Feedback**
	• Consistent political lobbying is needed within the industry • Our priority must be to remove recyclables from the waste. Focus on creating and enforcing restrictions and regulations that support resource recovery. • Government/Metro Vancouver does not have private sector expertise to effectively innovate and develop infrastructure. • Invest in and fund more diversion technologies and projects.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Aidan Kiani, Lock-Block Ltd.
Angus MacFarlane, Growing City
Christian Dietrich, Ecowaste Industries
Dayton Skei, EverGen
Dimitri Pantazopoulos, Waste Connections of Canada
Ken Schultze, (Alternate for Fabio Scaldaferri, Pacific Mattress Recycling Inc.)
Glen Furtado, Cement Association of Canada
Happy Deol, Super Save Group
James Collins, Tymac Launch Service Ltd.
Jamie Kaminski, HSR Zero Waste
Maya Moucachen, Merlin Plastics
Michael Zarbl, Major Appliance Recycling Roundtable
Mike Lannin, Super Save Group
Patrick MacNeil, Wescan Disposal Ltd.
Pinky Vargas, Republic Services
Ralph McRae, Revolution Infrastructure Inc.
Shad Prasad, Cascade Recovery +

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, October 8, 2024
1:00 pm – 4:00 pm
Element Hotel, Burnaby BC
A G E N D A

1. AGENDA

1.1 October 8, 2024 Meeting Agenda

2. MINUTES

2.1 September 10, 2024 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Progress Update on Solid Waste Management Plan Update Timeline
For Information / Feedback
Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 Solid Waste Management Plan Update: Idea Generation Workshop
For Input / Feedback: Small Group Discussions
Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services and Samantha Joy, Engagement Specialist, Solid Waste Services

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 Waste-to-Energy Facility Tour

4.3 Additional and upcoming engagement opportunities

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 2024 Work Plan

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
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Belanger, Lynn – City of Vancouver
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Joy, Samantha - Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 1:00 p.m. on Tuesday, October 8, 2024, in-person at the Element Hotel, Burnaby, BC.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Rob Cooney (alternate for Glen Furtado), Cement Association of Canada
Jeremy Crawford, Waste Control Services
Christian Dietrich, Ecowaste Industries.
Grant Hankins, Canada Minibins.com Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
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Achilles Mallari, Sierra Waste Services Ltd.
David Millman, Waste Management of Canada Corp.
Maya Moucachen, Merlin Plastics
Dimitri Pantazopoulos, Waste Connections of Canada
Shad Prasad, Cascade Recovery +
Ken Schultz (alternate for Fabio Scaldaferri), Pacific Mattress Recycling Inc.
Sandy Sigmund, Encorp Pacific Canada, Return-It
Dayton Skei, EverGen
John Turner, BC Biocarbon Ltd.
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Michael Zarbl, Major Appliance Recycling Roundtable

MEMBERS ABSENT

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
James Collins, Tymac Launch Service Ltd.
Harwant Deol, Super Save Group
Imran Jessa, Delta Textiles Exporters Inc.
Matthew McAra, GFL Environmental Inc.
Ralph McRae, Revolution Infrastructure Inc.
Pinky Vargas, Republic Services
Stewart Young, GFL Environmental Inc.

METRO VANCOUVER (MV) AND CITY OF VANCOUVER STAFF:

Chris Allan, Director of Operations, Solid Waste Services
Chris Clarke, Engagement Specialist, Solid Waste Services
Lynn Belanger, City of Vancouver
Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Services
Zack Ha, Support StaffAdmin Assitant, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services

PREPARATION OF MINUTES: Dione Costanzo, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting
October 8, 2024
1:00 PM – 3:00 PM
In-Person

Agenda

1. Agenda
   1.1. October 8, 2024, Meeting Agenda
2. Minutes
   2.1. September 10, 2024, Meeting Minutes
3. Reports and Items for Discussion
   3.1. Progress Update on Solid Waste Management Plan Update Timeline
   For Information and feedback
   Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Operations
   3.2. Solid Waste Management Plan Update: Idea Generation Workshop
   For input/feedback
   Designated speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services and Samantha Joy, Engagement Specialist, Solid Waste Services
   Small group and plenary discussions proposed questions:
4. Other Business
   4.1. Zero Waste Committee and Other Updates
   For information
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
   4.2. Waste-to-Energy Facility Tour
5. Information Items
   5.1. Regional Waste Flows
   5.2. 2024 Work Plan

Co-Chair, Director Craig Hodge, called the meeting to order at 1:08 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (Industry Advisory Committee) meeting.

Co-Chair Hodge noted that the meeting was being live streamed, and a public record of the meeting would be posted to the website.

1. AGENDA

1.1 October 8, 2024, Meeting Agenda

Co-Chair Hodge reviewed the October 8, 2024, meeting agenda. No additions were made.

2. MINUTES

2.1 September 10, 2024, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of September 10, 2024. There were no changes or additions to the meeting Minutes of September 10, 2024.

It was noted that a feedback summary from the September meeting has been published to the Industry Advisory Committee webpage under the September meeting tab. Anyone experiencing challenges with locating the report was encouraged to contact Metro Vancouver staff.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Progress Update on Solid Waste Management Plan Update Timeline

Terry Fulton, Senior Project Engineer, Sold Waste Services, shared a presentation about the Solid Waste Management Plan and reviewed the remaining priorities. The presentation highlighted the following:

- Project overview and committee involvement
- Process for moving the plan through the Idea Generation stage and public engagement to the Board of Directors for adopting goals and targets
- Discussion of the goals and evaluation criteria for performance indicators that will inform the Plan over the next year
- Timeline targeting of mid-2026 for Plan completion.

3.2 Solid Waste Management Plan Update: Idea Generation Workshop

Samantha Joy, Engagement Specialist, Solid Waste Services, shared a presentation on Idea Generation and the solid waste management plan update engagement.

Four questions were presented for discussion. Industry Advisory Committee members were divided into breakout groups and allocated time in two different roundtable groups, with 20 minutes each, to consider the questions below or any other relevant questions put forward. Each breakout group included a Metro Vancouver staff note taker.

Questions for consideration:

"As Metro Vancouver updates the plan, what ideas and actions can build on our success to:

- *Leverage knowledge and expertise through collaboration*

- *Plan for future waste management infrastructure and systems*
- *Enhance accountability for eliminating waste*
- *Promote confidence in recycling systems?"*

Following small group discussions, Samantha Joy initiated a full group discussion, and the following comments were offered:

- There is a need for regulatory certainty to move forward with plans and strategies as past uncertainly has stalled projects
- There is a disconnect between municipal and provincial government departments, particularly with multi-year delays in obtaining permits, that makes it difficult to build the necessary infrastructure for pursuing projects; aligning permitting processes with infrastructure goals is necessary to plan future systems.

In closing, it was noted that all ideas will be considered as input to the Idea Generation Phase. A summary of feedback from the small group discussions is available in a separate document posted to the Industry Advisory Committee web page.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Solid Waste Services, provided an update on recent discussions and activities of the Zero Waste Committee and highlighted:

- Solid Waste Services – Financial Plan 2025-2029 – projects the budget and tipping fees for the next 5 years along with the 2025 Solid Waste budget
    - The report will go to the Board on November 1 for approval
    - The report proposes a $7 per tonne increase in garbage tipping fees. The generator levy is also included in that report.
- Report on the single-use item reduction campaign called Create Memories Not Garbage that is run around Christmas time
- The City of Vancouver finalized an agreement regarding the piping for the District Energy project
- Procurement updates:
    - District energy (RFQ) for construction of the pipe system
    - Recycling and waste centres (RFQ) – operations and maintenance contract
    - Waste-to-Energy Facility (RFP) – operations and maintenance contract
- There is a new Executive Director at the Recycling Council of BC
- Metro Vancouver and the National Zero Waste Council provided letters in response to federal consultations on greenwashing and right-to-repair

- Feedback from Industry Advisory Committee small group discussion on the generator levy are posted on the website and will be reported to the Zero Waste Committee. The draft report to the Zero Waste Committee will be circulated to Industry Advisory Committee members for feedback before publishing.

- Seeking participants for interviews on development of a source reduction incentive program, focusing on processors and haulers to help maximize recycling among residents and businesses.

- The Independent Consultation and Engagement Panel provides a platform to share ideas and feedback on the Solid Waste Management Project; there will be an opportunity to present to the panel in early 2025, with a focus on receiving comments on how the engagement process has gone so far.

4.2 Waste-to-Energy Facility Tour

There is an Energy Waste Facility tour at 11:00 a.m. on November 22, 2024.

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 Industry Advisory Committee 2024 Work Plan

No questions were raised in relation to the Information Items.

In response to a question regarding a Co-Chair who has missed two meetings it was confirmed that, according to the terms of reference, regular attendance is required, and Co-Chairs can agree to remove any member for non-attendance. Staff regularly update the Co-Chairs on member attendance, and reach out to understand any barriers to participation.

In response to a question regarding Section 4, it was confirmed that the proposed tipping fee increase is $7 per tonne. The overall proposed tipping fee increase in 2025, about 5%, is driven by inflation and rising capital costs, as the portion of the budget allocated to capital has grown. Waste flow projections have also been adjusted based

ADJOURNMENT

Co-Chair Hodge thanked members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on November 5, 2024, via Zoom.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:49 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary – October 8, 2024

At the October 8, 2024 Solid Waste and Recycling Industry Advisory Committee meeting, committee members participated in a discussion idea generation for the solid waste management plan update. A summary of feedback received is presented below.

This feedback will be considered as part of the idea generation phase of engagement on the solid waste management plan update.

Discussion Topic	Feedback

Leverage knowledge and expertise through collaboration	**Information Sharing**
	• Collaboration on reporting out and tracking where materials are going:
	  o Improve data sharing
	  o Proprietary information can make it challenging for private industry to share information
	• Metro Vancouver needs to be able to listen and act on feedback of committees such as Industry Advisory Committee.
	• Continue the conversation past the solid waste management plan update.
	• Bring all advisory committees together to discuss issues (Public/Technical Advisory Committee, Regional Engineers Advisory Committee Solid Waste Sub-committee, Industry Advisory Committee)
	
	Education
	• Metro Vancouver can fund non-profits to take on education role, non-profits can build trust
	• More public education (for example for reducing contamination)
	  o Collaborate with Extended Producer Responsibility (EPR) agencies on education
	  o Collaborate with provincial and federal government
	  o Need more education on materials not included in EPR programs:
	  ▪ Priority items - lithium batteries, potentially hazardous waste in recycling bins
	  ▪ Difficult to get hard-to-recycle items through regulation and into programs because this is provincial jurisdiction - Metro Vancouver advocacy needed
	  o Outreach to businesses, property managers

	Innovation
	• Private sector could demonstrate where innovative technology is in place, for example AI sorting technology in Materials Recovery Facilities (MRF)
	  o No appetite for collaboration if you are competing with regulator
	• Consider collaboration on mixed solid waste recovery facility
	  o Example: Durham Regional District
	• Entrepreneurial workshop - getting people together to solve problems. Information sharing.
	
	Circular Economy
	• Leverage expertise from potential users to connect products to users
	• Mandated post consumer recycled content through bylaws
	
	Industry Representation
	• Industry representation on Zero Waste Committee
	• Make space for all voices (non-profits, women, underrepresented groups)
	• Connect executive chairs of waste industry associations (SWANA, WMABC, etc.) other executive chairs
	  o Will help to represent the waste industry in multi-sector situations (organics management, construction and demolition)
	  o Metro Vancouver could provide centralized location, make the connections, break down silos
	
	Shared Issues
	• Collaborate on emerging legislation from other orders of government
	  o For example the Federal plastics registry
	• Collaboration with adjacent regional districts/province for inter-jurisdictional issues
	
	Regulation and Incentives
	• Incentivize/encourage private industry
	  o Generator levy dis-incentivizes collaboration
	• Consider results-based regulation
	• Have a private utility to manage waste (e.g. BC Utilities Commission)

Discussion Topic	Feedback
Promote confidence in recycling system	**Education** • Use social media to get facts out. • Auditing and reporting are done but not known by the public – increase transparency and inform. • Identify the public's main concerns and address them. • Honesty builds trust: Be honest with the public and show the limitations, what we're doing, and how we're trying to improve – start with the definition of recycling. • Simplify: focus on tangible examples of recyclable products. • Show true stories of circularities happening in the region. **Data and Tracking** • Understand how much is residual waste and how much is being recycled – set a reasonable target to improve. • Have good metrics to track and report. Combine with public tours and media, key influencers, etc. • Eliminate performative recycling • Grow recycling through reduction (e.g. plastic ban) **Consider Enforcement** • Have inspectors at the generators and issue tickets/fines
Discussion Topic	**Feedback**
Plan for future waste management and infrastructure systems	**Best Practice Solutions** • Our problems are not unique we can consider other countries' best practices when considering solutions to our own waste management challenges in the region. • Improve systems to ensure the utility of outputs (end-use markets). Explore funding from a variety of sources including provincial/federal grants, solid waste fees, private sector partnership, innovation fund, etc. • Look to tested solutions, such as organics in Edmonton, for solid waste infrastructure strategies. **Regulation and Incentives** • Streamline regulations and shorten decision-making processes to facilitate private investment in infrastructure. • Improve permitting and licensing programs to move more quickly and be more accessible to a wider range of service providers. • Processing capacity for different streams; multiple years for permit approvals: preventing solutions being implemented. • Efforts to be compliant do not seem to reap any rewards in terms of moving through permitting processes any easier.

	• Consider the public-private partnership (P3) model; can be challenging, but need to consider all options. The profit motive cannot be a disincentive for a successful system. • Look to the province, and other levels of government, to help provide more support in searching for solutions to various problems. • Develop markets and identify investment opportunities; lack of certainty discourages private sector from taking on opportunities. • Look to results-based regulation • Improve engagement between government policy makers and industry – currently feels like government is out if touch with how the industry functions. • Consistency is needed for regulatory regimes, processing and permitting/licensing to allow for cost-effective infrastructure investment and operation (cross country/provincially/regionally). For example: public shingle recycling options at private landfills. • Foster opportunities for more private investment.
Discussion Question	**Feedback**
Enhance accountability for eliminating waste	**Governments** • From the point of view of haulers: Provide companies with some kind of certification that is acknowledged by industry or government. • Protect and incentivize the best actors and players. • Prioritize licensing programs for businesses that are actively investing in new technology – help protect businesses willing to take financial risk. • Orders of government to implement procurement policies. There should be industry mandates to produce and use recyclable materials. • Recognize that shifts in the industry and manufacturing may not be within the scope and control of Metro Vancouver. Some changes and shifts are global. • Focus on simplifying the materials that are put into the market, especially plastic. • Recycling definition should be more clear (there is a misconception that energy recovery is the same as recycling) • Enhance clarity and transparency of what materials go through Metro Vancouver and other facilities. **Waste and Recycling Industry** • Improve monitoring policies and incentives to ensure proper recycling and disposal and reduce contamination, otherwise no investment will be made.

	○ Private market can handle recycling if right infrastructure and incentives are in place. For example, there is a huge composting program in Nova Scotia. They have expansive use markets (e.g., landscaping) and there are no market shortages • There is not enough infrastructure capacity and incentives for recycling. An example of limited processing capacity is the organics processors • Work to level the industry playing field and facilitate healthy competition. Big manufacturers should not be allowed on the board of RecycleBC, as this is potentially a conflict of interest. • Competition issues can be solved by shifting the responsibility to the generator. **Business and Manufacturing** • Design for reparability and recyclability • Encourage or regulate manufacturers to reduce their footprint and minimize consumer packaging. • Encourage redesign and enhance accountability for future manufacturing and construction. • Celebrate and look to larger companies that have already started working at reducing footprint, materials, and packaging. • For construction and demolition waste (C&D), support innovative ideas and focus on marketing C&D waste. • Incentivize use of more recyclables at the procurement stage. • Think more globally and focus on moving up the waste hierarchy. **Waste and Recycling Generators** • Point of view of generators: Create regulations to encourage mandatory three containers for businesses. • Education is more of a natural process as people naturally eliminate waste and harmful products when they learn and find out about them. • Multi-family buildings show the lowest accountability for their waste (high contamination) – increase education and focus on these demographics. • A solution to the multi-family sector could be clear bags for everyone. • Need high enough surcharges to cover for increased costs of contamination. • Enforce EPR: The stewardship program is there, but is not being enforced.

	• Accountability should go back to the generator (not the haulers). • Focus on the compactors and record footage in multi-family buildings, this could raise privacy concerns. • Waste audits and inspections can help, especially in the Industrial Commercial Institutional (ICI) sector. But who would be held accountable in multi-family sector? Strata corporations?
Additional Comments	• Where will we see the practical infrastructure solutions being considered/implemented as part of this solid waste management plan update process (for all waste streams)? • Planning for capacity – need clear solutions for long-term solid waste streams • Need to look at infrastructure planning and using the existing system as a foundation • There is a need for advanced processing solutions • There will be operational challenges with some of the "big-ideas" solutions • Planning needs to consider logistical challenges for tighter geographic constraints and lack of industrial land continues to be an issue. • Real need for Industry Advisory Committee members to see how input is going to meaningfully impact outcomes (i.e., influence new solid waste management plan) • Disposal bans have been effective, however, there should be technology and infrastructure to process the diverted material at a reasonable cost. • Recycler's point of view for certain materials: In some cases, up to 95% of diverted material goes to landfills.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Rob Cooney (alternate for Glen Furtado), Cement Association of Canada
Jeremy Crawford, Waste Control Services
Christian Dietrich, Ecowaste Industries.
Grant Hankins, Canada Minibins.com Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
Gord Johnson, Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Canada Ltd.
Aiden Kiani, Lock-Block Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Mike Lannin, Super Save Group
Angus MacFarlane, Growing City
Patrick MacNeil, Wescan Disposal Ltd.
Achilles Mallari, Sierra Waste Services Ltd.
David Millman, Waste Management of Canada Corp.
Maya Moucachen, Merlin Plastics
Dimitri Pantazopoulos, Waste Connections of Canada
Shad Prasad, Cascade Recovery +
Ken Schultz (alternate for Fabio Scaldaferri), Pacific Mattress Recycling Inc.
Sandy Sigmund, Encorp Pacific Canada, Return-It
Dayton Skei, EverGen
John Turner, BC Biocarbon Ltd.
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Michael Zarbl, Major Appliance Recycling Roundtable

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, November 5, 2024, 2:00 pm – 4:00 pm
Virtual Zoom meeting
A G E N D A

1. AGENDA

1.1 November 5, 2024 Meeting Agenda

2. MINUTES

2.1 October 8, 2024 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Developing Goals and Targets for an Updated Plan
For information
Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 Solid Waste Management Plan Update – Performance Metrics Review
For information/feedback – Small group discussions
Lyndsay Seidel-Wassenaar, Project Lead, Sonnevera

- *What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?*
- *How do you see the waste and recycling industry being involved?*
- *What types of information/data could the recycling and waste industry reasonably provide?*

3.3 2025 IAC Draft Work Plan Development
For input/feedback – Plenary discussion
Designated Speaker: Lori Bryan, IAC Co-Chair

- *What are some potential topics the committee could focus on in 2025?*

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 2025 Meeting Dates (tentative)
For information/feedback
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

5. INFORMATION ITEMS

5.1 Regional Waste Flows
5.2 2024 Work Plan
5.3 2025 Draft Meeting Schedule

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:
Abrams, Izzie – Waste Connections of Canada
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Jessa, Imran – Delta Textiles Exporters Inc.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kiani, Aiden – Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McAra, Matthew – GFL Environmental Inc.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Scaldaferri, Fabio – Pacific Mattress Recycling Inc.
Skei, Dayton – Evergen Infrastructure Corp.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Turner, John – BC Biocarbon Ltd.
Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
Vargas, Pinky - Republic Services
Young, Stewart, GFL Environmental Inc.
Zarbl, Michael - Major Appliance Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:
Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Henderson, Paul – Metro Vancouver
Joy, Samantha - Metro Vancouver
Liu, Stephanie – Metro Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, November 5, 2024, virtual Zoom meeting.

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Jeremy Crawford, Waste Control Services
James Collins, Tymac Launch Service Ltd.
Happy Deol, Super Save Group
Christian Dietrich, Ecowaste Industries
Glen Furtado, Cement Association of Canada
Grant Hankins, Canada Minibins.com Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
Gord Johnson, Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Canada Ltd.
Aiden Kiani, Lock-Block Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Mike Lannin, Super Save Group
Angus MacFarlane, Growing City
Patrick MacNeil, Wescan Disposal Ltd.
Achilles Mallari, Sierra Waste Services Ltd.
David Millman, Waste Management of Canada Corp.
Dimitri Pantazopoulos, Waste Connections of Canada
Shad Prasad, Cascade Recovery +
Dayton Skei, EverGen
John Turner, BC Biocarbon Ltd.
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Pinky Vargas, Republic Services

MEMBERS ABSENT:

Imran Jessa, Delta Textiles Exporters Inc.
Matthew McAra, GFL Environmental Inc.
Ralph McRae, Revolution Infrastructure Inc.
Maya Moucachen, Merlin Plastics
Fabio Scaldaferri, Pacific Mattress Recycling Inc.
Sandy Sigmund, Encorp Pacific Canada, Return-It
Stewart Young, GFL Environmental Inc.
Michael Zarbl, Major Appliance Recycling Roundtable

METRO VANCOUVER STAFF PRESENT:

Brooke Atkinson, Senior Engagement Specialist
Chris Clarke, Engagement Specialist, Metro Vancouver
Nanette van Doorn, Communications Coordinator, Solid Waste Services
Paul Henderson, General Manager, Metro Vancouver
Samantha Joy, Engagement Specialist, Metro Vancouver
Stephanie Liu, Program Manager Community Engagement, Solid Waste Services
Terry Fulton, Senior Project Engineer, Metro Vancouver
Zack Ha, Administrative Assistant, Metro Vancouver

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

November 5, 2024
2:00 PM – 4:00 PM
Virtual, Zoom Meeting

Agenda

1. Agenda
   1.1. November 5, 2024, Meeting Agenda
2. Minutes
   2.1. October 8, 2024, Meeting Minutes
3. Reports and Items for Discussion
   3.1. Developing Goals and Targets for an Updated Plan
   For information
   Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services
   3.2. Solid Waste Management Plan Update – Performance Metrics Review
   For information/feedback
   Designated Speaker: Lyndsay Seidel-Wassenaar, Project Lead, Sonnevera
   Small group and plenary discussions proposed questions:
   - *What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?*
   - *How do you see the waste and recycling industry being involved?*
   - *What types of information/data could the recycling and waste industry reasonably provide?*

   3.3. 2025 IAC Draft Work Plan Development
   For input/feedback
   Designated Speaker: Lori Bryan, IAC Co-Chair
   Plenary discussion proposed question:
   • What are some potential topics the committee could focus on in 2025?
4. Other Business
   4.1. Zero Waste Committee and Other Updates
   For information
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
   4.2. 2025 Meeting Dates (Tentative)
   For information/feedback
   Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services
5. Information Items
   5.1. Regional Waste Flows
   5.2. 2024 Work Plan
   5.3. 2025 Draft Meeting Schedule

Co-Chair, Director Craig Hodge, called the meeting to order at 2:06 p.m. and welcomed at endees to the Solid Waste and Recycling Industry Advisory Commit ee (Industry Advisory Commit ee) meeting.

Co-Chair Hodge noted that the meeting was being live streamed, and a public record of the meeting would be posted to the website.

1. AGENDA

1.1 November 5, 2024, Meeting Agenda

Co-Chair Hodge reviewed the November 5, 2024, meeting agenda. No additions were made.

2. MINUTES

2.1 October 8, 2024, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of October 8, 2024. There were no changes or additions to the meeting Minutes of October 8, 2024.

It was noted that a feedback summary from the October meeting has been published to the Industry Advisory Committee webpage under the October meeting tab. Anyone experiencing challenges locating the report was encouraged to contact Metro Vancouver staff.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Developing Goals and Targets for an Updated Plan

Terry Fulton, Senior Project Engineer, Solid Waste Services, shared a presentation titled, "Developing Goals and Targets for an Updated Plan". The purpose of this presentation was to provide goals and context to frame the discussion on performance metrics questions that followed. The presentation highlighted the following:

- A summary of the plan components
- BC Waste Hierarchy vs. other hierarchies (which de-emphasize disposal)
- Considerations for updated targets
- Previous feedback on performance metrics
- Conceptual goals

3.2 Solid Waste Management Plan Update – Performance Metrics Review

Lyndsay Seidel-Wassenaar, Project Lead, Sonnevera, shared a presentation titled, "Performance Metrics Study Update". The highlights from the presentation include:

- Considerations for developing metrics
    - When selecting metrics, it is important to consider the key purpose of tracking information
    - Several metrics will be required to properly review and analyze different trends
- Summary of performance metrics project scope
- Considerations for developing a performance metrics applicability criteria
- Examples of performance metrics from a jurisdictional review

Lyndsay Seidel-Wassenaar shared that the next steps include continuation of this work over the next few months and to review with Metro Vancouver.

Co-Chair Hodge advised that attendees would be placed into smaller groups for the breakout discussions. Before proceeding to the breakout rooms, attendees were asked if they had any questions about the presentation that was just shared. The following questions and *responses* were provided:

- Why was Richmond used as a comparable jurisdiction when they are part of Metro Vancouver?
  - *Richmond had specific examples and areas that they are leading in (construction waste for example) that warranted more inquiry. In addition, we looked at cities outside of the Lower Mainland (e.g.Victoria) and other areas in North America and Europe.*
  - *Committee members were encouraged to share other jurisdictions that should be included in the research.*
- In the previous presentation shared by Terry Fulton, there was a list of concerns and considerations outlined. At what point are we addressing those and/or how will they be followed up to ensure they are addressed?
  - *All the feedback received from the Industry Advisory Committee this year is being considered as input to the solid waste management plan update. In addition, we are reporting to the Zero Waste Committee in November on feedback heard from the Industry Advisory Committee regarding the Generator Levy.*

Three questions were presented for discussion. Industry Advisory Committee members were divided into breakout groups and allocated time in four different roundtable groups, with 20 minutes each, to consider the questions below. Each breakout group included a Metro Vancouver staff note taker.

Questions for consideration:

- *What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?*
- *How do you see the waste and recycling industry being involved?*
  - *What types of information/data could the recycling and waste industry reasonably provide?*

Following the breakout, a representative from each group reported back on key highlights from their discussions. The following comments were either verbally shared in the Zoom meeting or the notes from the breakout session was shared onscreen for all attendees to see.

A summary of feedback from the small group discussions is available in a separate document posted to the Industry Advisory Committee web page.

3.3 2025 IAC Potential Topic Development

Co-Chair, Lori Bryan, shared a presentation titled, "Industry Advisory Committee Draft 2025 Work Plan Development" and provided a review of the different items discussed in 2024.

Committee members were asked the following question for consideration: "What are some potential topics the committee could focus on in 2025?" The following comments were offered:

- Need to determine which waste hierarchy will be used before determining new topics.
- Topics that were suggested, but not included, in 2024's plan can be revisited for the new plan.

A committee member asked about soil management and why this is not currently a Metro Vancouver solid waste issue?

- *Soil is a material that is not covered in the current Solid Waste Management Plan. Although it is a significant issue in the region looking at soil as a specific issue is considered out of scope*
- *Co-Chair Hodge recommended adding this topic to the list of potential topics for further discussion along with metrics.*

Co-Chair Bryan stated that the next steps include sharing the potential topic areas with attendees in January 2025. IAC members will vote on the work plan in early 2025. Co-Chair Bryan stated that any suggestions on what to include in the 2025 plan can be sent to Metro Vancouver staff for consideration and inclusion.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Solid Waste Services, provided an update on recent discussions and activities of the Zero Waste Committee and reported:

- The Consultation and Engagement Panel terms of reference was updated, which relates to creating a mechanism to add additional members to the panel.
- The Industry Advisory Committee Feedback Summary Report was circulated to the committee two weeks ago and did not receive additional feedback.
- There is a combined Zero Waste Committee and Public/Technical Advisory Committee meeting happening in November. This meeting is part of the engagement process for the Idea Generation phase of engagement for the solid waste management plan update. There are 14 individual presentations; each presenter has five minutes to present and receive questions:
  - The regular Zero Waste Committee meeting is at 1:00 p.m., and public participation meeting will take place at 2:00 p.m.
  - This meeting will be livestreamed, and participants can be viewed online.

4.2 2025 Meeting Dates (Tentative)

Samantha Joy, Engagement Specialist, Solid Waste Services, shared a slide with the tentative meeting dates for 2025. A finalized calendar will be shared in January. Members were reminded that the Co-Chairs can request more or less meetings than what is proposed as per the Terms of Reference.

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 2024 Work Plan

5.3 2025 Draft Meeting Schedule

No questions were raised concerning the Information Items.

ADJOURNMENT

Co-Chair Hodge advised attendees that the Waste-to-Energy Facility tour is taking place on November 22, 2024. Members can either advise Metro Vancouver staff they will be attending or respond to the calendar invite directly. Co-Chair Hodge thanked members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on January 7, 2025, virtually via Zoom.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:35 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary – November 5, 2024

At the November 5, 2024 Solid Waste and Recycling Industry Advisory Committee meeting, committee members participated in a discussion on applicability and selection of performance metrics for the solid waste management plan update. A summary of feedback received is presented below.

This feedback will be considered as part of the idea generation phase of engagement on the solid waste management plan update.

Discussion Questions	Feedback

With respect to performance metrics and applicability to the updated SWMP plan:
 	
What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?
	Confidentiality, accountability, and administration
	• Define the frequency and purpose of reporting – how and when will the data will be used.
	• Consider the administrative burden for haulers, processors, and Metro Vancouver staff.
	• Collaborate with industry to determine who is tracking and accountable for providing information and thresholds for businesses that are asked or required to report.
	• Determine who will have access to the data, how much will be shared, and ensure no impacts to business confidentiality.
	
	Measuring, Reporting, and Consistency
	• Prioritize measuring versus estimating:
	  • Enhance detail level (e.g. composition data versus tonnage)
	• Ensure the waste stream is consistent with what is being measured and how it is being tracked (tonnage)
	• Perform composition breakdowns for mixed loads (organics, recyclables)
	  • Waste composition studies should occur more often.
	• Consider how waste streams are changing – investigate if measuring by 'tonnes' is still the most applicable or if there is another more relevant metric (e.g. composition).
	
	Definitions, transparency, and practicality
	• Examine terminology – agreement on the definition of recycling is needed.
	  • Measure concrete and asphalt separately
	  • Do not track materials sent for incineration as recycled.

	• Track commodity markets from recycled materials to assess whether what we're recycling makes sense and if there is a market for it.
	• Targets have to be measurable/quantitative.
	• Interpret numbers based on what is recycled according to various materials rather than the overall percentage.
	• Ensure that chosen metrics support financial responsibility with taxpayer dollars by generating practical data that members and taxpayers can relate to and understand.
	• Ensure chosen metrics can provide meaningful/actionable insights.
	• Increase clarity and transparency with data that is generated from metrics.
	• Transparency about the materials that can't be recycled (no market), being sent to cement kiln and considered as recycling. Terminology is very important to define what materials are being considered recycled and where those materials end up
	  • E.g. RDF material being considered recycled even though being sent to cement kiln
	
	Application and performance indicators
	• Prioritize metrics that are business-related (e.g., cost per tonne, financial review, financial efficiencies at the landfill or waste-to-energy facility); metrics that members and taxpayers can relate to.
	• Adopt lifecycle view of materials and calculate greenhouse gases [GHGs] from extraction to the point of recycling.
	• Focus on reduction and reuse when considering the change of tracking method, materials tracked, and metrics used
	  • Anything that is not relevant to measuring reduction and recycling that is currently included should be reconsidered.
	• Choose metrics based on relevancy to the waste material
	• Track organics and recyclables
	• More metrics needed on C&D Waste and greater clarity is needed on data, in terms of what is being tracked (i.e., waste type, locations, etc).
	• Greatest factors/impacts that will influence diversion need to be looked at more closely.
	• Consider changing waste streams – the change in material and makeup of the waste stream over the years and into the future.
	• Base metrics on what's produced versus what is recycled

	• Report in terms of various materials rather than percentage in total. • Example: concrete and asphalt skew the statistics
Discussion Question	**Feedback**
How do you see the waste and recycling industry being involved? What types of information/data could the recycling and waste industry reasonably provide?	**Data Collection and sharing** • Example: WMABC launched a program to measure ICI waste materials disposed of or diverted. Took this on to help them advocate at government levels knowing there are a number of jurisdictions looking at this type of data for policy development. Launched this project internally with members. We are not submitting raw data to Metro Vancouver, but it will provide aggregated numbers. • In other jurisdictions, industry reports on waste and recycling quantities; assigned a 'generator number' etc (similar to hauler licensing) • Balance between confidentiality on one hand, and on the other hand and sharing the generation number to help advance recycling across the region **Collaboration with solid waste and recycling industry** • Report total tonnage – tonnage in should equal tonnage out • Report residual waste (from recycling facilities) • Include recycling amount exported vs recycled in BC • Comparison reports on Metro Vancouver waste how much is disposed of vs diverted, disposed of in different locations, Waste-to-Energy vs. landfill vs. other options • Tipping Fee Rates – increase them to drive diversion from landfill and stimulate market development and innovation in other waste streams (eg., shingles in 2010) • Develop mechanism for industry to report on efforts in this area (e.g. measuring GHGs, tonnage reported), still needs to be protected as it is highly sensitive due to competitive industry. • Needs a lot of discussion to get to what that mechanism could be so that private sector and government are in agreement.
Additional Comments	**Feedback**
	• To help enhance engagement, it could be helpful to have a waste hierarchy graphic with explanations to clarify what the terms mean (above and beyond the traditional three R's)

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Izzie Abrams, Waste Connections of Canada
Jeremy Crawford, Waste Control Services
James Collins, Tymac Launch Service Ltd.
Happy Deol, Super Save Group
Christian Dietrich, Ecowaste Industries
Glen Furtado, Cement Association of Canada
Grant Hankins, Canada Minibins.com Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
Gord Johnson, Northstar
Jamie Kaminski, HSR Zero Waste
Sean Kawakami, Convertus Canada Ltd.
Aiden Kiani, Lock-Block Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Mike Lannin, Super Save Group
Angus MacFarlane, Growing City
Patrick MacNeil, Wescan Disposal Ltd.
Achilles Mallari, Sierra Waste Services Ltd.
David Millman, Waste Management of Canada Corp.
Dimitri Pantazopoulos, Waste Connections of Canada
Shad Prasad, Cascade Recovery +
Dayton Skei, EverGen
John Turner, BC Biocarbon Ltd.
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Pinky Vargas, Republic Services

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, January 7, 2025
2:00 pm – 4:00 pm
Virtual Zoom meeting
A G E N D A

1. AGENDA

1.1 January 7, 2025 Meeting Agenda

2. MINUTES

2.1 November 5, 2024 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Notice of Bylaw Violation Engagement – Tipping Fee Bylaw Provisions
For information/feedback
Designated Speaker: Paul Henderson, General Manager, Metro Vancouver Solid Waste Services

3.2 Draft 2023 Recycling and Garbage Statistics
For information/feedback
Designated Speaker: Kelly Du, Project Engineer, Metro Vancouver Solid Waste Services

4. INDUSTRY ADVISORY COMMITTEE 2025 KEY TOPICS AND WORK PLAN DEVELOPMENT
For input/feedback

- *Review list of potential key topic areas for 2025.*
  - *Does this list represent the topics you want to focus on in 2025?*
  - *Is anything missing?*

5. NEXT STEPS

5.1 2025 IAC Call for Membership Submissions – February 2025
For information
Designated Speaker: Samantha Joy, Engagement Specialist, Metro Vancouver, Solid Waste Services

5.2 2025 Committee Meeting Dates
For information
Designated Speaker: Samantha Joy, Engagement Specialist, Metro Vancouver, Solid Waste Services

6. OTHER BUSINESS

6.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

6.2 Concrete and Asphalt Recycling Options Webinar
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

7. INFORMATION ITEMS

7.1 Regional Waste Flows
7.2 2025 Draft work plan topics
7.3 2025 Meeting Schedule
7.4 Letter to Minister of Environment and Parks - Expanding Product Categories in Extended Producer Responsibility

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Jessa, Imran – Delta Textiles Exporters Inc.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kiani, Aiden – Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McAra, Matthew – GFL Environmental Inc.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Scaldaferri, Fabio – Pacific Mattress Recycling Inc.
Skei, Dayton – Evergen Infrastructure Corp.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Turner, John – BC Biocarbon Ltd.
Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
Vargas, Pinky - Republic Services
Young, Stewart, GFL Environmental Inc.
Zarbl, Michael - Major Appliance Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Henderson, Paul – Metro Vancouver
Joy, Samantha - Metro Vancouver
Liu, Stephanie – Metro Vancouver
McDermott, Jon – City of Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, January 7, 2025, virtual Zoom meeting.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Achilles Mallari, Sierra Waste Services Ltd.
Christian Dietrich, Ecowaste Industries
David Millman, Waste Management of Canada Corporation
Dayton Skei, EverGen
Dimitri Pantazopoulos, Waste Connections of Canada
Glen Furtado, Cement Association of Canada
Gord Johnson, Northstar
Grant Hankins, Canada Minibins.com Ltd.
Izzie Abrams, Waste Connections of Canada
James Collins, Tymac Launch Service Ltd.
Jamie Kaminski, HSR Zero Waste
Jeremy Crawford, Waste Control Services
John Turner, BC Biocarbon Ltd.
Josh JansenVandoorn, Anaconda Systems Ltd.
Leanne Koehn, Ridge Meadows Recycling Society
Maya Moucachen, Merlin Plastics
Michael Zarbl, Major Appliance Recycling Roundtable
Mike Lannin, Super Save Group
Patrick MacNeil, Wescan Disposal Ltd.
Pinky Vargas, Republic Services
Ralph McRae, Revolution Infrastructure Inc.
Sean Kawakami, Convertus Canada Ltd.

MEMBERS ABSENT:

Aiden Kiani, Lock-Block Ltd.
Angus MacFarlane, Growing City
Fabio Scaldaferri, Pacific Mattress Recycling Inc.
Happy Deol, Super Save Group
Imran Jessa, Delta Textiles Exporters Inc.
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Matthew McAra, GFL Environmental Inc.
Sandy Sigmund, Encorp Pacific Canada, Return-It
Shad Prasad, Cascade Recovery +
Stewart Young, GFL Environmental Inc.

METRO VANCOUVER STAFF PRESENT:

Allen Jensen, Senior Project Engineer, Solid Waste Planning
Chris Clarke, Engagement Specialist, Solid Waste Services
Chris Underwood, Division Manager, Solid Waste Planning
Kelly Du, Project Engineer, Solid Waste Planning
Paul Henderson, General Manager, Solid Waste Services
Lynne Vidler, Lead Senior Engineer, Solid Waste Services
Samantha Joy, Engagement Specialist, Metro Vancouver
Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Planning

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting
January 7, 2025
2:00 PM – 4:00 PM
Virtual, Zoom Meeting

Agenda

1. Agenda
   1.1. January 7, 2025 Meeting Agenda
2. Minutes
   2.1. November 5, 2024 Meeting Minutes
3. Reports and Items for Discussion
   3.1. Notice of Bylaw Violation Engagement – Tipping Fee Bylaw Provisions
   For information/feedback
   Designated Speaker: Paul Henderson, General Manager, Metro Vancouver, Solid Waste Services
   3.2. Draft 2023 Recycling and Garbage Statistics
   For information/feedback
   Designated Speaker: Kelly Du, Project Engineer, Metro Vancouver, Solid Waste Services
4. Industry Advisory Committee 2025 Key Topics and Work Plan Development
   For input/feedback
   Review list of potential key topic areas for 2025
   Does this list represent the topics you want to focus on in 2025? Is there anything missing?
5. Next Steps
   5.1. 2025 IAC Call for Membership Submissions – February 2025
   For information
   Designated Speaker: Samantha Joy, Engagement Specialist, Metro Vancouver, Solid Waste Services
   5.2. 2025 Committee Meeting Dates
   For information
   Designated Speaker: Samantha Joy, Engagement Specialist, Metro Vancouver, Solid Waste Services
6. Other Business
   6.1 Zero Waste Committees and Other Updates
   For information
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
   6.2 Concrete and Asphalt Recycling Options Webinar
   For information
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
7. Information Items
   7.1 Regional Waste Flows

7.2 2025 Draft work plan topics
7.3 2025 Meeting Schedule
7.4 Letter to Minister of Environment and Parks - Expanding Product Categories in Extended Producer Responsibility

Co-Chair, Director Craig Hodge, called the meeting to order at 2:02 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee (Industry Advisory Committee) meeting.

It was noted that an entity shown as "AI" in the Zoom waiting room was not being given access to the meeting as only Industry Advisory Committee members were permitted.

Co-Chair Hodge noted that the meeting was being live-streamed, and a public record of the meeting would be posted to the website.

1. AGENDA

1.1 January 7, 2025, Meeting Agenda

Co-Chair Hodge reviewed the January 7, 2025, meeting agenda. No additions were made.

2. MINUTES

2.1 November 5, 2024, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of November 5, 2024. There were no changes or additions to the meeting Minutes of November 5, 2024.

It was noted that a feedback summary from the November small group discussions was published to the Industry Advisory Committee webpage. Anyone experiencing challenges with locating the report was encouraged to contact Metro Vancouver staff.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Notice of Bylaw Violation Engagement – Tipping Fee Bylaw Provisions

Paul Henderson, General Manager, Solid Waste Services, shared a presentation titled, "Notice of Bylaw Violation – Tipping Fee Bylaw Provisions". The presentation highlighted the following:

- Notices of Bylaw Violation are an administrative compliance promotion tool available to local governments
- The penalties are up to $500 per offence, with discounts for early payment and surcharges for late payment
- This is in place for 19 out of 21 member jurisdictions
- An engagement process is being launched in the next few weeks and will include:
  - Sharing information on potential amendments to the Notice of Violation Bylaw to include Tipping Fee Bylaw provisions
  - Comment and feedback period
  - Review and consideration of feedback received
  - Proposed bylaw amendments to Zero Waste Committee and Board for consideration

The following comments were offered in response to questions following the presentation:

- Prior to having authority to issue Notices of Bylaw Violation, the solid waste, liquid waste, and water functions only bylaw enforcement option was through the courts.
- The adjudication process involves a third-party independent of Metro Vancouver employees.

Committee members asked for more information on how the third-party adjudicators are selected.

3.2 Draft 2023 Recycling and Garbage Statistics

Kelly Du, Project Engineer, Metro Vancouver, Solid Waste Planning, shared a presentation titled, "2023 Annual Report – Integrated Solid Waste and Resource Management Plan Progress". Highlights from the presentation included:

- The data used to calculate disposal and recycling rates is from various sources, including municipal surveys, private facilities data, Metro Vancouver solid waste facilities weigh scale data, producer responsibility organization reports, and population data.
- Disposal and recycling data do not include: agricultural waste, industrial waste, forestry waste, water and wastewater treatment plant residuals, material managed on-site, excavation soils, landfill cover materials, and scrap metal from yards or automotive recycling.
- 2023 recycling highlights include increases in wood, gypsum, and plastic, which are common construction materials and could be correlated to the increase of new housing construction in 2023.
- The 2023 recycling rate remained at 65%, the same as 2022, and the region achieved a per capita disposal rate of 0.42 tonnes in 2023, a decrease from 0.44 tonnes in 2022.

To avoid skewing the data and to be conservative, Metro Vancouver fixed the concrete and asphalt numbers at the 2021 values. If the overall reported data for concrete and asphalt for all sources were used, the final value for recycling would have increased from 65% to 69%.

Actions to be integrated into future reporting include:

- Separately report materials that are used as fuel substitutes (i.e. Continue to report as recycling but state the quantities used as a fuel substitute). This data will be collected commencing in 2025.
- Integration of new metrics following the solid waste management plan update.
- Continue to review and improve reuse data and accuracy of recycled materials data.
- Explore using a dashboard format to increase accessibility of data.

The following comments were offered by members following the presentation:

- Concern about using 2021 values for concrete and asphalt, especially when other values are being used in real-time.
- Concrete and asphalt numbers should not be included in the calculation, as it is not within Metro Vancouver's control.
- Question as to whether the intent is to start counting material disposed at the Waste-to-Energy Facility as recycling.

Paul Henderson confirmed that garbage disposed at the Waste-to-Energy Facility would continue to be counted as disposal with the only materials counted as recycling being materials recovered from the facility for beneficial use (e.g. metal).

4. INDUSTRY ADVISORY COMMITTEE 2025 KEY TOPICS AND WORK PLAN DEVELOPMENT

Co-Chair, Lori Bryan, shared the list of potential topics for the 2025 committee work plan. Members were invited to review the list and share with the group if there were missing topics or topics deemed unnecessary.

The potential topics were broken down into two categories:

- General topics:
  - Circular Economy – Share, Reuse, Repair Update
  - Climate 2050 Roadmap
  - C&D Reduction Update
  - Public Education – the role of public and private education
  - Soil Management
- Solid Waste Management Plan Update Topics:
  - Adoption of a waste hierarchy and draft goals
  - Feedback on evaluation criteria
  - Idea generation report back
  - Metrics – targets and performance indicators
  - Options analysis workshop
  - Regulatory framework
  - Residuals framework (resulting from studies)

The following comments were offered regarding the potential topics:

- Disposal options should be included as a work plan topic.
- The residuals framework does have an element of disposal capacity, but this topic should be called out specifically as it is important.
- Members would like to be made aware of what Metro Vancouver is working on and how it can impact them and their work.
- Discussion on landfill capacity and options.
- Question with respect to the cost of contingency disposal reported in the September 2024 Zero Waste Committee report.
- Discussion about C&D residuals and continued interest in working on solutions for this market.
- Continued interest in planning for effective public and private collaboration.

In response to comments Paul Henderson noted:

- There was an annual report that went to the Zero Waste Committee in September 2024, which included the overall cost of three disposal options: Waste-to-Energy Facility, Vancouver landfill, and contingency disposal
- The primary cost of the recycling and waste centres is associated with the core operation of receiving and processing garbage.
- Recycling and waste centre costs are allocated proportionally to the portion of waste for each disposal option that is transferred through a recycling and waste centre.
  - In the Waste-to-Energy Facility, about 50% of all the materials that are delivered are direct haul; the cost of recycling and waste centres is all-inclusive.

- The cost that is used for the recycling and waste centres, cost per tonne, is based on the overall cost of running the facility.

- Regarding the Vancouver Landfill: the current Vancouver Landfill agreements specify a 20 million tonne limit in waste disposed since 1997. The physical capacity of the Landfill exceeds 20 million tonnes. Discussions are underway as to potential to update the agreements. The additional physical capacity beyond 20 million tonnes is estimated at 5 to 10 million tonnes depending on many factors.

Members were encouraged to forward any additional work plan topic suggestions to staff and Co-Chairs and were advised that a vote on the work plan would occur in February 2025.

5. NEXT STEPS

5.1 2025 IAC Call for Membership Submissions – February 2025

Samantha Joy, Engagement Specialist, advised that there is a call for committee membership submissions for the 2025 Industry Advisory Committee. The submission period is from January 15 to February 12, 2025. The online form will be available via a link in the email that will be sent out to committee members and industry contacts and on the Industry Advisory Committee webpage. The first meeting for the 2025 committee will take place on March 4, 2025.

Members were reminded that the committee requires existing members to re-apply each year if interested in continuing on the committee.

5.2 2025 Committee Meeting Dates

Samantha Joy, Engagement Specialist, shared the 2025 Meeting Dates and advised there were meeting time changes on the bolded dates. Members can consult the meeting calendar attached to the agenda package for more information. The schedule for 2025 is:

- January 7
- February 4
- March 4
- April 8 (in-person)
- **May 6**
- June 10
- **September 9**
- October 7 (in-person)
- **November 4**

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates

Paul Henderson informed that the next Zero Waste Committee meeting would be held on Thursday January 9, 2025, at 1:00 p.m., and is open to the public and will be live-streamed.

6.2 Concrete and Asphalt Recycling Options Webinar

Paul Henderson advised that the Concrete and Asphalt Recycling Options webinar will take place on Wednesday, January 22, 2025, from 9:30 a.m. to 12:00 p.m. If members are interested in attending, they can register for the webinar through the link that was emailed or contact Metro Vancouver staff for more information.

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 2025 Draft Work Plan Topics

7.3 2025 Meeting Schedule

7.4 Letter to Minister of Environment and Parks – Expanding Product Categories in Extended Producer Responsibility

No questions were raised in relation to the Information Items.

ADJOURNMENT

Co-Chair Hodge thanked members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on February 4, 2025, virtually via Zoom.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:20 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, February 4, 2025
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 February 4, 2025 Meeting Agenda

2. MINUTES

2.1 January 7, 2025 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Solid Waste Management Plan Update: Timeline Update
For information
Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Planning

4. VOTING ITEM: 2025 INDUSTRY ADVISORY COMMITTEE WORK PLAN

5. NEXT STEPS

5.1 2025 IAC Membership Call for Submissions Reminder – Submission date February 12, 2025
Verbal Update
Designated Speaker: Lori Bryan, Industry Advisory Committee Co-Chair

5.2 Co-Chair Nominations in March
Verbal update
Designated Speaker: Lori Bryan, Industry Advisory Committee Co-Chair

6. OTHER BUSINESS

6.1 WMABC Conference – February 27, 2025
For information
Designated Speaker: Director Craig Hodge, Industry Advisory Committee Co-Chair

6.2 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 2025 IAC Meeting Schedule

7.3 Incoming Correspondence: Ministry Response to Metro Vancouver's Letter Re: Expanding Product Categories in EPR

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Deol, Harwant – Super Save Group
Dietrich, Christian – Ecowaste Industries
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Jessa, Imran – Delta Textiles Exporters Inc.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kiani, Aiden – Lock-Block Ltd.
Koehn, Leanne – Ridge Meadows Recycling Society
Lannin, Mike – Super Save Group
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MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McAra, Matthew – GFL Environmental Inc.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
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Turner, John – BC Biocarbon Ltd.
Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
Vargas, Pinky - Republic Services
Young, Stewart, GFL Environmental Inc.
Zarbl, Michael - Major Appliance Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver
Belanger, Lynn – City of Vancouver
Henderson, Paul – Metro Vancouver
Joy, Samantha - Metro Vancouver
Liu, Stephanie – Metro Vancouver
Mizan, Zeenia – Metro Vancouver
Underwood, Chris – Metro Vancouver
Vidler, Lynne – Metro Vancouver

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, February 4, 2025, virtual Zoom meeting.

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)
Izzie Abrams, Waste Connections of Canada
James Collins, Tymac Launch Service Ltd.
Glen Furtado, Cement Association of Canada
Grant Hankins, Canada Minibins.com Ltd.
Gord Johnson, Northstar
Jamie Kaminski, HSR Zero Waste
Leanne Koehn, Ridge Meadows Recycling Society
Mike Lannin, Super Save Group
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Shad Prasad, Cascade Recovery +
Sandy Sigmund, Encorp Pacific Canada, Return-It
Dayton Skei, EverGen
Pinky Vargas, Republic Services
Michael Zarbl, Major Appliance Recycling Roundtable

MEMBERS ABSENT:

Edwin Berkhof, Evergen Infrastructure Corp.
Jeremy Crawford, Waste Control Services
Happy Deol, Super Save Group
Jen Diamant, Capital Salvage
Christian Dietrich, Ecowaste Industries
Jeff Gontovnick, 1-800-GOT-JUNK?
Josh JansenVandoorn, Anaconda Systems Ltd.
Imran Jessa, Delta Textiles Exporters Inc.
Sean Kawakami, Convertus Canada Ltd.
Aiden Kiani, Lock-Block Ltd.
Patrick MacNeil, Wescan Disposal Ltd.
Matthew McAra, GFL Environmental Inc.
Dimitri Pantazopoulos, Waste Connections of Canada
Fabio Scaldaferri, Pacific Mattress Recycling Inc.
John Turner, BC Biocarbon Ltd.
Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Stewart Young, GFL Environmental Inc.

METRO VANCOUVER STAFF PRESENT:

Allen Jensen, Senior Project Engineer, Solid Waste Planning
Brooke Atkinson, Senior Engagement Specialist, Solid Waste Services
Chris Underwood, Division Manager, Solid Waste Planning
Kelly Du, Project Engineer, Solid Waste Planning
Paul Henderson, General Manager, Solid Waste Services
Lynne Vidler, Lead Senior Engineer, Solid Waste Services
Samantha Joy, Engagement Specialist, Metro Vancouver
Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Planning

PREPARATION OF MINUTES: Megan Krempel, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

February 4, 2025
2:00 PM – 4:00 PM
Virtual, Zoom Meeting

Agenda

1. Agenda
   1.1. February 4, 2025, Meeting Agenda
2. Minutes
   2.1. January 7, 2025, Meeting Minutes
3. Reports and Items for Discussion
   3.1. Solid Waste Management Plan Update: Timeline Update
   For information
   Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Planning
4. Voting Item: 2025 Industry Advisory Committee Work Plan
5. Next Steps
   5.1. 2025 IAC Membership Call for Submissions Reminder – Submission date February 12, 2025
   Verbal Updated
   Designated Speaker: Lori Bryan, Industry Advisory Committee Co-Chair
   5.2. Co-Chair Nominations in March
   Verbal Update
   Designated Speaker: Lori Bryan, Industry Advisory Committee Co-Chair
6. Other Business
   6.1 WMABC Conference – February 27, 2025
   For information
   Designated Speaker: Director Craig Hodge, Industry Advisory Committee Co-Chair
   6.2 Zero Waste Committees and Other Updates
   For information
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
7. Other Business
   7.1 Regional Waste Flows
   7.2 2025 IAC Meeting Schedule
   7.3 Incoming Correspondence: Ministry Response to Metro Vancouver's Letter Re: Expanding Product Categories in EPR

Co-Chair Craig Hodge called the meeting to order at 2:04 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee (Industry Advisory Committee) meeting. Members were reminded to ensure their full name was visible on the Zoom platform so attendance could be confirmed and that they had access to the Zoom raised hand function in preparation for voting.

1. AGENDA

1.1 February 4, 2025, Meeting Agenda

Co-Chair Hodge reviewed the February 4, 2025, meeting agenda. No additions were made.

2. MINUTES

2.1 January 7, 2025, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the January 7, 2025 Industry Advisory Committee Meeting. No changes or additions were brought forward.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Solid Waste Management Plan Update: Timeline Updates

Terry Fulton, Senior Project Engineer, Solid Waste Planning, shared a presentation titled "Solid Waste Management Plan Update – Timeline Update". The presentation highlighted the following:

- Completion of many of the direction-setting steps, including the vision and guiding principles, and near completion of the idea generation phase
- Feedback from idea generation engagement will be summarized into a report and will inform the development of the options analysis phase
- Currently working towards submitting the draft updated solid waste management plan to the Province in 2026
- The solid waste management plan's goals will be closely tied to the waste hierarchy
- Targets will be used to measure progress
- Actions and strategies are specific components of the plan and include:
  - Regulatory framework
  - Residuals management options framework
  - Options analysis criteria
  - Recycling and waste centre requirements
- Opportunities for the Industry Advisory Committee to have input on:
  - Goals and hierarchy
  - Options analysis criteria
  - Targets and performance indicators
  - Framework for residuals management options decisions
  - Framework for regulatory initiatives
  - Evaluation of actions and strategies.

4. VOTING ITEM: 2025 INDUSTRY ADVISORY COMMITTEE WORK PLAN

The updated Draft Industry Advisory Committee Work Plan was reviewed, and the following highlighted:

- Previous feedback on what should be prioritized in the 2025 Work Plan:
  - The solid waste management plan update

    - Disposal options, including contingency disposal, waste-to-energy, and the Vancouver Landfill
    - Soil management
    - Carry-over items from the 2024 Work Plan
- The Work Plan was developed through input from the Industry Advisory Committee members, Co-Chairs, and the solid waste management plan project team
- Solid waste management plan update topics have been indicated with "SWMP" on the work plan

Paul Henderson, General Manager, Solid Waste Services, welcomed any additional proposals or amendments to the 2025 Work Plan prior to the vote.

During discussion, it was suggested that the "hierarchy for solid waste management" tied closely with solid waste management plan goals. The Work Plan was amended to include "Draft Goals and Hierarchy".

Co-Chair Hodge reminded members of the process for motions to be approved, per the Industry Advisory Committee Terms of Reference.

It was MOVED and SECONDED
That the Draft 2025 Solid Waste and Recycling Industry Advisory Committee Work Plan be approved as amended.

CARRIED

5. NEXT STEPS

5.1 2025 Industry Advisory Committee Membership Call for Submissions Reminder – Submissions date February 12, 2025

Committee members were reminded that 2025 Industry Advisory Committee membership submissions were due on February 12, 2025. The Committee members were thanked for their contributions to the committee over the past year and were encouraged to consider continuing participation on the committee. A final email reminder for membership submission would be sent on February 10, 2025. Members were invited to reach out to Metro Vancouver staff with any related questions.

5.2 Co-Chair Nominations in March

Co-Chair Hodge advised that nominations for the Industry Advisory Committee Co-Chair would be accepted at the March 4, 2025, Industry Advisory Committee Meeting. Additional nominations would be received up to the election at the April 2025 meeting.

6. OTHER BUSINESS

6.1 WMABC Conference – February 27, 2025

Co-Chair Hodge advised that the Waste Management Association of British Columbia (WMABC) Conference would be held on February 27, 2025, and would include industry presentations, learning sessions, and networking opportunities.

Lori Bryan, Co-Chair, further informed that the one-day WMABC Conference would be held at the Sheraton Hotel in Guildford, Surrey. Government and provincial updates would be

provided along with sessions related to deconstruction and reuse and pioneers of recycling, among other topics.

6.2 Zero Waste Committee and Other Updates

Paul Henderson reviewed the agenda for the February 6, 2025, Zero Waste Committee Meeting and noted the meeting would be livestreamed.

Meeting agenda topics include:

- An update on activities related to the Zero Waste Conference on November 27, 2025, and the National Zero Waste Council:
  - The Zero Waste Conference is to be held every two years
  - A potential theme being considered was making the business case for waste prevention
- Public /Technical Advisory Committee update to Terms of Reference
- Annual solid waste and recycling statistics
- Engagement panel recruitment is ongoing
- Procurement for recycling and waste centre operations and maintenance service contracts in light of five facility contracts expiring in 2025:
  - Two separate Request for Proposal processes; one for three larger facilities and another for two smaller ones.

A Committee member alerted Metro Vancouver staff that they had no longer been receiving email notifications of upcoming Zero Waste Committee Meetings. Metro Vancouver staff noted they would look into the past process and follow up with the member. Staff would additionally circulate an invitation to "save the date" for the Zero Waste Conference on November 27, 2025, noting that the fee would be waived for Industry Advisory Committee members.

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 2025 IAC Meeting Schedule

7.3 Incoming Correspondence: Ministry Response to Metro Vancouver's Letter Re: Expanding Product Categories in EPR

No additional questions or comments were put forward regarding the information items.

A comment was offered in regard to the ambitious Industry Advisory Committee Work Plan and the hope that the Industry Advisory Committee could work hard to accomplish many of the work plan items. Chair Hodge acknowledged the members of the Industry Advisory Committee and felt confident about the group's achievements over the coming year.

ADJOURNMENT

Co-Chair Hodge thanked members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting (for 2025 Committee members only) would be held on March 4, 2025, virtually via Zoom.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:35 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, April 8, 2025
1:00 pm – 4:00 pm
Anvil Centre

A G E N D A

1. AGENDA

1.1 April 8, 2025 Meeting Agenda

2. MINUTES

2.1 March 4, 2025 Meeting Minutes

3. REPORTS

3.1 SWMP: Introduction to Options Analysis and Engagement Overview
For information
Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

4. ITEMS FOR DISCUSSION

4.1 SWMP: Draft Hierarchy and Goals
For information/feedback
Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

- *Is there anything missing from the draft hierarchy and goals?*
- *Is there anything that should be changed or removed?*
- *Any other feedback?*

4.2 SWMP: Draft Metrics
For information/comment
Designated Speaker: Lindsay Seidel-Wassenaar, Project Lead, P.Eng., Sonnevera

4.3 SWMP: Draft Options Analysis Criteria
For information/feedback
Designated Speaker: Karen Storry, Senior Engineer, Solid Waste Services
Plenary discussion:

- *Is there anything missing from the draft criteria?*
- *Is there anything that should be changed or removed?*
- *Any other feedback?*

5. OTHER BUSINESS

5.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

6. IAC CO-CHAIR NOMINATIONS AND ELECTION - VOTING ITEM

7. INFORMATION ITEMS

7.1 Regional Waste Flows
7.2 2025 IAC Meeting Schedule
7.3 2025 IAC Work Plan
7.4 IAC 2025 Committee Member Biographies

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Janzen, Tessa – Recycle BC
Johnson, Gord – Northstar
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
Punja, Rustam – Geocycle Canada Inc.
Prasad, Shad – Cascade Recovery +
Skei, Dayton – Evergen Infrastructure Corp.
Skoropada, Lorne – Ridge Meadows Recycling Society
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Van Beusekom, Brent – product Care Association
Vargas, Pinky - Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael - Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 1:00 p.m. on Tuesday, April 8, 2025, in-person meeting held at the Anvil Centre in New Westminster.

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair) (via teleconference)
Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Agassiz, Sam – West Coast Reduction Ltd.
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
Janzen, Tessa – Recycle BC
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
MacFarlane, Angus – Growing City
MacNeil, Patrick – Wescan Disposal Ltd.
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Skei, Dayton – Evergen Infrastructure Corp.
Skoropada, Lorne – Ridge Meadows Recycling Society
Vargas, Pinky – Republic Services
Zarbl, Michael – Major Appliance Recycling Roundtable

MEMBERS ABSENT:

Abrams, Izzie – Waste Connections of Canada
Collins, James – Tymac Launch Service Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Johnson, Gord – Northstar
Kawakami, Sean – Convertus Canada Ltd.
Lannin, Mike – Super Save Group
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Van Beusekom, Brent – product Care Association
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.

METRO VANCOUVER STAFF PRESENT:

Ahmadvand, Sahar, Assistant Project Engineer, Solid Waste Planning
Allan, Chris, Director, Solid Waste Operations
Fulton, Terry, Senior Project Engineer, Solid Waste Planning
Henderson, Paul, General Manager, Solid Waste Services
Joy, Samantha, Engagement Specialist, Solid Waste Community Engagement
Liu, Stephanie, Program Manager, Solid Waste Community Engagement
Mizan, Zeenia, Program Assistant, Solid Waste Services
Storry Karen, Senior Engineer, Solid Waste Planning
Underwood, Chris, Division Manager, Solid Waste Planning

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

April 8, 2025
1:00 PM – 4:00 PM
In-Person Meeting (Anvil Centre, New Westminster)

Agenda

1. Agenda
   1.1 April 8, 2025 Meeting Agenda

2. Minutes
   2.1 March 4, 2025 Meeting Minutes

3. Reports
   3.1 Solid Waste Management Plan: Introduction to Options Analysis and Engagement Overview
   For information
   Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

4. Items for Discussion
   4.1 Solid Waste Management Plan: Draft Hierarchy and Goals
   For information/feedback
   Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services
   Small group discussion:
   - Is there anything missing from the draft hierarchy and goals?
   - Is there anything that should be changed or removed?
   - Any other feedback?

   4.2 Solid Waste Management Plan: Draft Metrics
   For information/comment
   Designated Speaker: Lindsay Seidel-Wassenaar, Project Lead, P.Eng., Sonnevera

   4.3 Solid Waste Management Plan: Draft Options Analysis Criteria
   For information/feedback
   Designated Speaker: Karen Storry, Senior Engineer, Solid Waste Services
   Plenary Discussion:
   - Is there anything missing from the draft criteria?
   - Is there anything that should be changed or removed?
   - Any other feedback?

5. Other Business
   5.1 Zero Waste Committee and Other Updates
   For information

Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

6. Industry Advisory Committee Co-Chair Nominations and Election – Voting Item

7. Information Items
   7.1 Regional Waste Flows
   7.2 2025 Industry Advisory Committee Meeting Schedule
   7.3 2025 Industry Advisory Committee Work Plan
   7.4 Industry Advisory Committee 2025 Committee Member Biographies

Co-Chair Craig Hodge, called the meeting to order at 1:05 p.m. and welcomed at endees to the Solid Waste and Recycling Industry Advisory Commit ee (Industry Advisory Commit ee) meeting. Members were advised that the meeting was being live-streamed.

Co-Chair Hodge requested a brief roundtable of introductions take place as the meeting was in-person and the members do not often have the opportunity to meet face-to-face.

1. AGENDA

1.1 April 8, 2025, Meeting Agenda

Co-Chair Hodge reviewed the April 8, 2025, meeting agenda. No additions were made.

2. MINUTES

2.1 March 4, 2025, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the March 4, 2025, Industry Advisory Committee meeting. It was noted that Ralph McRae was in attendance for this meeting and this needed to be reflected in the Minutes. No other changes or additions were brought forward.

3. REPORTS

3.1 Solid Waste Management Plan: Introduction to Options Analysis and Engagement Overview

Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, Metro Vancouver, shared a presentation titled "Solid Waste Management Plan Update" and highlighted:

- The local solid waste system involves many players with different roles and responsibilities, including Federal and Provincial government, First Nations, Metro Vancouver, member jurisdictions, businesses and institutions, non-profits, and residents.
- The new plan will identify how the region can continue to reduce waste, increase reuse and recycling, reduce greenhouse gas emissions, and work towards a circular economy.
- The upcoming "Options Analysis" phase will evaluate ideas that were generated in the previous phase.

Co-Chair Hodge invited members to share related questions and/or comments on the presentation. No comments were made.

4. ITEMS FOR DISCUSSION

4.1 Solid Waste Management Plan: Draft Hierarchy and Goals

Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, shared a presentation titled "Solid Waste Management Plan – Goals and Hierarchy" and highlighted:

- The draft hierarchy shows priorities for managing waste, beginning with reduce (prevent, use less), followed by reuse (reuse for original purpose, repair, and repurpose), recycle as

material, recycle as energy (fossil fuel substitutes), and disposal (landfill and Waste-to-Energy)
- Four draft goals were shared: (1) Prioritize waste prevention (2) Keep materials in use as long as possible (3) Make it easier to recycle effectively and (4) Dispose of remaining garbage responsibly.

Co-Chair Hodge welcomed questions and comments from members before breaking out into small groups for continued discussions. The following questions and comments (Q/C) and responses (*R*) were captured:

Q/C: Has Metro Vancouver completed a "scorecard" to determine how well strategies were implemented during the 2011 Solid Waste Management Plan?

R: There has been a bi-annual review of the plan's progress with respect to achieving the goals and strategies, which is published every two years. A part of the "Idea Generation" phase for the upcoming plan included reviewing of the previous ideas and identifying previous actions that could still be appropriate for an updated plan for consideration during options analysis

Members broke out into small groups for continued discussion on the presented draft hierarchy and goals. Metro Vancouver staff ensured they had representation with each group and took notes on the discussion. Groups were asked to consider the following questions:
- Is there anything missing from the draft hierarchy and goals?
- Is there anything that should be changed or removed?
- Any other feedback?

The committee reconvened, and members were invited to highlight important discussion points to share with the larger group.

A feedback summary from the small group discussion will be posted to the Industry Advisory Committee web page separately from the minutes.

4.2 Solid Waste Management Plan: Draft Metrics

Lindsay Seidel-Wassenaar, Project Lead, P.Eng., Sonnevera, joined the Industry Advisory Committee meeting via teleconference and shared a presentation titled "Solid Waste Management Plan – Metrics" and highlighted:
- Performance metrics and indicators enable monitoring of the plan goals and actions.
- Work that has already taken place includes completing a jurisdictional/organizational scan, interviews with jurisdictions/organizations, data summary and comparison, and assessment of metrics against criteria.
- Performance metrics applicability criteria include: specificity, data type, data quality, data source, effort, and data accessibility.
- Next steps include:
  - Finalizing the performance metrics report with recommended primary metrics

- Publishing a draft report and distributing to the Industry Advisory Committee for feedback.
- Using the report to inform discussions on targets after options are analyzed.

Co-Chair Hodge opened the floor for members to respond to the information presented. The following questions and comments (Q/C) and responses (*R*) were captured:

Q/C: What is the consideration for the waste stream change? Composition of waste stream has significantly changed – how is this being considered in the metrics presented?

R: The current plan has a primary goal centered around recycling however Metro Vancouver intends to include a suite of metrics in the updated plan which will help to provide a more complete picture.

R: Having a suite of metrics will allow us to follow the trends more accurately. This data is ever-changing, so it is important to look at it from a variety of angles.

Q/C: How can you determine the "score"?

R: Most of the metrics have current data for the baseline measurements. The next step is setting the targets, but identifying the metrics is the first step.

Q/C: As the world continues to evolve and composition changes, is there going to be a mechanism to analyze information over time? Will there be a way to normalize what we are seeing to ensure that apples are not being compared to apples when there is a significant, yet unique, occurrence?

R: It is important to look at "per capita" rather than "total" data for this reason. Per capita calculations can help normalize information rather than looking at the totals. The annual reporting process aims to provide additional context to help identify changes that may correspond to economic, social or other factors.

R: Extensive waste composition data coupled with information from external sources helps to indicate and explain how waste is changing over time.

4.3 Solid Waste Management Plan: Draft Options Analysis Criteria

Karen Storry, Senior Engineer, Solid Waste Services, Metro Vancouver, shared a presentation titled "Options Analysis Criteria and Process" and highlighted:

- This phase involves evaluating ideas generated in the Idea Generation phase to produce a list of potential actions for the updated plan.
- The draft idea evaluation criteria is presented in four categories: Economic, Environmental, Social, and General.

Members were invited to share comments in a plenary discussion and the following questions were shared:

- Is there anything missing from the draft criteria?
- Is there anything that should be removed or changed?
- Any other feedback?

The following questions and comments (Q/C) and responses (*R*) were captured:

Q/C: This is a good, inclusive list, but what happens when they conflict? For example, if something is better for the environment but is not affordable. How will the decision-making process manage this?

R: There will be a standardized way of looking at the information coming forward, and a thorough assessment will be made. These decisions will also be brought forward to members for their input with ongoing opportunities to provide feedback along the way.

Q/C: Unsure what "collaboration" means.

R: In this context, it refers to initiatives that can be done by working with other parties.

Q/C: Consideration should be made to include "open competitive markets" and "investments in infrastructure" under the economic category.

Q/C: Minimize risk and liability by ensuring the system does not create risk for the future.

Q/C: Does "resilience" consider economic challenges?

R: "Resilience" is not just an "environmental" element (the category it is placed in currently), and consideration will be given to where this is best represented.

R: Suggestion to create a new section where criteria that are applicable to multiple categories can be captured separately.

Q/C: Suggestion to change "general" to "operational" or something more functional.

Q/C: Collaboration needs to be broader than just "economic".

Q/C: How do we measure "reuse" as this happens informally all the time? The depots are making great efforts and there is massive recycling taking place, but no one is getting credit for it.

R: In previous annual reports, the annual reuse by tonnes was estimated. It was recently pulled out as there is a need to better quantify this, and this is a goal Metro Vancouver is working towards. It is difficult to measure this when it is informally being done.

R: A suite of metrics will help support this work. Having secondary suite of metrics to reflect how things are evolving. It does not give the entire tonnage picture but can demonstrate progress over time.

It was noted that any additional comments and feedback can be submitted to Metro Vancouver staff.

5. OTHER BUSINESS

5.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, gave the following updates:

- Ashcroft Ranch sale has been completed. Metro Vancouver previously owned a ranch for the last 25 years – the land was purchased initially with the intention of developing a new landfill. The ranch was sold for $28 million (market value) to local First Nations.

Zero Waste Committee updates:

- There was no meeting in March 2025
- In April, a report proposing updates to the Notice of Bylaw Violation Bylaw to include Tipping Fee Bylaw provisions, will be going to the Board at the end of April 2025.

6. INDUSTRY ADVISORY COMMITTEE CO-CHAIR NOMINATIONS AND ELECTION – VOTING ITEM

Co-Chair Hodge advised members that a Co-Chair will be elected for a one-year term by a 50% plus one majority vote of voting members present. Voting members are defined as Industry Advisory Committee members who have held membership for at least one month prior to the day of the vote.

It was noted that Lori Bryan was nominated at the March 2025 Industry Advisory Committee meeting.

Nominations were called by Co-Chair Hodge three times prior to proceeding with the election. No other nominations were made and Co-Chair Hodge congratulated Co-Chair Lori Bryan for serving another year as Co-Chair.

7. INFORMAITON ITEMS

7.1 Regional Waste Flows

7.2 2025 Industry Advisory Committee Meeting Schedule

7.3 2025 Industry Advisory Committee Work Plan

7.4 Industry Advisory Committee 2025 Committee Member Biographies

Co-Chair Hodge stated that the next in-person meeting is planned for October 2025. In-person meetings allow a deeper discussion of related topics, and members are encouraged to submit topics of interest. This will be further explored during the May 2025 meeting.

It was noted that the Committee Member Biographies have been provided, and any required changes should be submitted to Metro Vancouver staff.

The landfill tour will take place on September 18, 2025, and more details will be sent to members soon.

ADJOURNMENT

Co-Chair Hodge thanked members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held online on May 6, 2025.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:55 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary – April 8, 2025

At the April 8, 2025, Solid Waste and Recycling Industry Advisory Committee meeting, committee members provided input and feedback on the draft hierarchy, goals, and criteria for the updated solid waste management plan. A summary of feedback received is presented below.

Discussion Questions	Feedback
Draft Hierarchy *Is there anything missing?* *Anything that should be changed or removed?* *Other feedback?*	**Industry representation** • Concern for businesses that deal in disposal – perception that they are ranked lower in the hierarchy. • Composting and anerobic digestion are not included. Compostable products, where do they fit (recycled as material or recycled as energy?) We know fibre can be composted, recycled as energy with the disposal side of things. • What about cement production which produces energy, which then produces a product. Why should it not count as high priority as recycled as material rather than recycled as energy? • The hierarchy doesn't specifically include metal recycling – why isn't it included? It's a good percentage of what is generated. • Animal rendering – where does that even fit? **Definitions and Hierarchy priorities** • May be hard for average consumer to understand the applicable meaning of "reduce". • Possibly expand on definitions of what would fall under each classification – definition is important for each of the steps. • Need to define "recycle". • Alternative to "recycle as energy" is "waste-to-industry" or "recycle as energy for industry" because you're driving economic value so put it higher in the hierarchy. • First two items in the hierarchy are manufacturer or consumer driven. Haulers have no ability to reduce, but they will recover materials. • Counter view: Onus on waste collectors to educate customers about waste prevention as well – so industry does have a role. • "Recycle for energy" isn't actually recycling – it is displacing fossil fuel but not actually recycling anything. • "Reduce" should be up to government; everything below that is more relevant to industry/private sector action.

	• Disagree with not including Waste-to-Energy/landfill outputs in "recycle as energy"; not clear why this would be separated out.
	• "Recycle as energy"; should be understood as looking for opportunities to replace fossil fuel use with cleaner alternatives – this seems confusing when Waste-to-Energy outputs are not represented in the same way.
	• "Repurpose" or "use as fuel" makes more sense than "recycle as fuel".
	• "Recycle as energy" should also be greyed out (like disposal) or moved to the bottom of the hierarchy with disposal.
	• Anything to do with fuel should go at the bottom.
	• Create more definitions and differentiations to describe the two sections of recycle as disposal and recycle as energy –
	• "Recycle as energy" is confusing. It is ultimately the same thing as Waste-to-Energy so why is it classified differently?
	
	Hierarchy Design
	• Hierarchy doesn't need to be a triangle; consider other ways to model it visually.
	• Suggest splitting the bottom disposal triangle to ensure we account for waste-to-energy and landfill separately without indicating one is preferable over the other.
	• Bottom triangle should be bifurcated and pointing in a different direction all together.
	• Waste-to-Energy should not be at the very bottom as disposal, because we're still producing something of value.
	  • Disposal at the landfill can also involve opportunity to extract landfill gas as a beneficial use. So, in both Waste-to-Energy and landfill, you are getting beneficial use as a byproduct of the method of managing waste
	
	General Comments and Feedback
	• New proposed Hierarchy:
	  - *Reduce*
	  - *Reuse*
	  - *Recycle as new or alternative material - define what this means – materials recycled, break that down*
	  - *Recycle as energy – define further what this means*
	  - *WTE*
	  - *Landfill*
	• Metro Vancouver is a distinct market – focus on that while considering the hierarchy – consider the end markets always while applying the hierarchy

	• If we have a mandate to divert, there is no incentive to do better. It kills innovation when we say we can convert materials into a fuel for energy. • Materials are more valuable than energy.
Discussion Questions	**Feedback**
Draft Goals *Is there anything missing?* *Anything that should be changed or removed?* *Other feedback?*	**Goal 1 – Prioritize waste prevention** • Change to "waste reduction and prevention" • Prioritizing waste prevention seems counter productive to promoting market growth. The need to prevent waste is a good goal, but it needs to be done sustainably so industry can adapt as necessary to changing market dynamics. **Goal 2 – Keep materials in use as long as possible** • It should more clearly state that that materials and products are kept cycling in their highest and best value/use. **Goal 3 – Make is easier to recycle effectively** • What does this mean for waste and recycling industry? • Challenged by practical aspects – how is this achieved? • Words like "effectively" and "responsibility" are not well defined or actionable; subjective/ambiguous. • Begins at the consumer level. If there's no incentive, then the problems begin. Education is core. **Goal 4 – Dispose of remaining garbage responsibly** • If you're following the hierarchy – it makes this goal irrelevant. **General comments** • Affordability is missing in the goals - it was a top priority in the guiding principles • Missing references to collaboration and competition. • Didn't see anything about technology or innovation – how can we promote innovation in Metro Vancouver? • Should add a goal related to investment in business and industry.
Discussion Questions	**Feedback**
Draft Criteria *Is there anything missing?* *Anything that should be changed or removed?*	• Add in the liability component. • Have separate column that holds themes more broadly applied – like resilience. • Collaboration – move to a general category that applies to all of the themes – not just economic. • Consider adding an operational column – practicality of application of each of the criteria to each theme

Other feedback?	• Remove "general" – change to "operational" • Does the criteria address out of region disposal facilities processing garbage within Metro Vancouver region? • What happens if two criteria are opposing? Is there a hierarchy for how to chose? Are the criteria weighted equally or are some more important?
Discussion Questions	**Feedback**
Metrics *Any questions?*	• How to tangibly measure reuse – there's lots that happens informally – how to quantify that? • Are we tracking from a specific point in time as a baseline? • As the economy changes is there a mechanism built-in to account for changes and maintain integrity of the data?
Additional Comments	
	• General public is frustrated by the constant changes in what counts as recyclable materials; more consistent messaging across municipalities will help. • What about when licensed facilities in Metro Vancouver are sending materials to landfills State-side that local authorities want closed? Will issues like these be addressed within the plan? • Very expensive to remove compost residuals properly in landfill vs. burning it. Need regulations to encourage compliance. • Need to have cost penalties to make consumers feel the same pain as collectors and processors if they don't recycle properly. • If a customer isn't ready to pay more to do the right thing, the hauler is then paying or investing in cameras and enforcement methods etc. which is not cost effective. It only works if all companies play by the same rules. • Need incentives for consumers but also end up spending a lot of money policing that.

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair) (via teleconference)
Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Agassiz, Sam – West Coast Reduction Ltd.
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
Janzen, Tessa – Recycle BC
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
MacFarlane, Angus – Growing City
MacNeil, Patrick – Wescan Disposal Ltd.
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Skei, Dayton – Evergen Infrastructure Corp.
Skoropada, Lorne – Ridge Meadows Recycling Society
Vargas, Pinky – Republic Services
Zarbl, Michael – Major Appliance Recycling Roundtable

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, May 6, 2025
2:30 pm – 4:30 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 May 6, 2025, Meeting Agenda

2. MINUTES

2.1 April 8, 2025, Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Updated Draft Hierarchy and Goals
For information / Q&A
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 Recycling and Waste Centre Strategy Development
Small group discussions
Designated speaker: Paul Henderson, General Manager, Solid Waste Services

- *Is there anything missing or that should be changed in the draft guiding principles for the recycling and waste centre strategy?*
- *Are there any comments on the possible elements for the development of the recycling and waste centre strategy?*
- *Any other comments or suggestions?*

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 Upcoming Meetings and Key Topics
Designated speaker: Lori Bryan, IAC Co-Chair

4.3 Review of the Industry Advisory Committee Terms of Reference
Designated Speaker: Director Hodge, IAC Co-Chair

5. INFORMATION ITEMS

5.1 Regional Waste Flows
5.2 2025 IAC Meeting Schedule
5.3 2025 IAC Updated Work Plan

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Janzen, Tessa – Recycle BC
Johnson, Gord – Northstar
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
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Vargas, Pinky - Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael - Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:30 p.m. on Tuesday, May 6, 2025, virtual zoom meeting.

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair) (via teleconference)
Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Agassiz, Sam – West Coast Reduction Ltd.
Atkinson, Brooke
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Gauci, Joanne Gauci – NZWC
Hankins, Grant – Canada Minibins.com Ltd.
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
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Skoropada, Lorne – Ridge Meadows Recycling Society
Van Beusekom, Brent – product Care Association
Vargas, Pinky – Republic Services
Zarbl, Michael – Major Appliance Recycling Roundtable

MEMBERS ABSENT:

Abrams, Izzie – Waste Connections of Canada
Dietrich, Christian – Ecowaste Industries
Furtado, Glen – Cement Association of Canada
JansenVandoorn, Josh – Anaconda Systems Ltd.
Janzen, Tessa – Recycle BC
Johnson, Gord – Northstar
Kawakami, Sean – Convertus Canada Ltd.
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Skei, Dayton – Evergen Infrastructure Corp.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Von Stefenelli, Nicole – Urban Impact Recycling Lt

METRO VANCOUVER STAFF PRESENT:

Allen Jensen, Senior Project Engineer, Solid Waste Planning
Chris Underwood, Division Manager, Solid Waste Planning
Karen Storry, Senior Engineer, Solid Waste Planning
Paul Henderson, General Manager, Solid Waste Services
Lynne Vidler, Lead Senior Engineer, Solid Waste Services
Samantha Joy, Engagement Specialist, Metro Vancouver
Stephanie Liu, Program Manager, Community Engagement, Solid Waste
Terry Fulton, Senior Project Engineer, Solid Waste Planning

PREPARATION OF MINUTES: Jasmeen Dhillon, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

May 6, 2025
2:30 PM – 4:30 PM
Virtual, Zoom Meeting

Agenda

1. Agenda
   1.1 May 6, 2025 Meeting Agenda

2. Minutes
   2.1 April 8, 2025 Meeting Minutes

3. Reports
   3.1 Updated Draft Hierarchy and Goals
   For information/Q&A
   Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

   3.2 Recycling and Waste Centre Strategy Development
   Small group discussions
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4. Other Business
   4.1 Zero Waste Committee and Other Updates
   Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

   4.2 Upcoming Meetings and Key Topics
   Designated Speaker: Lori Bryan, IAC Co-Chair

   4.3 Review of the Industry Advisory Committee Terms of Reference
   Designated Speaker: Director Hodge, IAC Co-Chair

5. Information Items
   5.1 Regional Waste Flows
   5.2 2025 Industry Advisory Committee Meeting Schedule
   5.3 2025 Industry Advisory Committee Work Plan

MEETING MINUTES

Co-Chair, Director Craig Hodge, called the meeting to order at 2:30 p.m. and welcomed at endees to the Solid Waste Industry and Recycling Advisory Commit ee (Industry Advisory Commit ee) meeting. Members were advised that the meeting was being live-streamed and a recording would be posted to the Industry Advisory Commit ee webpage.

1. AGENDA

1.1 May 6, 2025, Meeting Agenda

Co-Chair Hodge reviewed the April 6, 2025, meeting agenda. No additions were made.

2. MINUTES

2.1 April 8, 2025, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the April 8, 2025, Industry Advisory Committee meeting. No additions or changes were made.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Updated Draft Hierarchy and Goals

Terry Fulton, Senior Project Engineer, Solid Waste Services, shared a presentation titled "Updated Hierarchy and Goals" and highlighted:

- The waste hierarchy provides an indication of priorities, a decision-making framework, a way to categorize ideas, and is linked closely to plan goals.
- Next Steps:
  - Goals and hierarchy to Zero Waste Committee and Greater Vancouver Sewerage and Drainage District Board
  - Fall: Options analysis and target setting discussions
  - Early 2026: Review and comment on draft updated solid waste management plan

Co-Chair Hodge invited members to share related questions and/or comments on the presentation. The following questions and comments (Q/C) and *responses* (*R*) were captured:

Q/C: The Provincial government includes fuel substitutes in its definition of recycling, but other countries have excluded creating fossil fuels from their definitions. Has Metro Vancouver confirmed that fuel substitutes should be included in the recycling section?

R: Metro Vancouver is not bound by the Provincial hierarchy; however, the current practice is to count material used as a fuel substitute as recycling.

Q/C: So this was a decision by Metro Vancouver to include materials used as fuel substitute in the recycling definition? There have been many voices saying that this is not

appropriate. This does a disservice to the recycling industry who are trying very hard to find markets for materials that can be recycled.

R: *One of the potential metrics and targets for the updated plan could include tracking and maximizing the amount of material that is recycled into new products and materials. Metro Vancouver will continue to be responsive to feedback on potential metrics. Ultimately it is our board that will make the decisions. They will hear all the feedback we've heard from all audiences throughout the plan update process.*

Q/C: I believe this requires more discussion before it's adopted because this is ultimately going to hold us back from achieving our goals.

3.2 Recycling and Waste Centre Strategy Development

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, shared a presentation titled "Recycling and Waste Centre Strategy Development – Component of an updated Solid Waste Management Plan" and highlighted:

- Draft Guiding Principles for Recycling and Waste Centre Strategy:
  - Consistent and maximized reuse and recycling opportunities
  - Best practices in facility design, construction, and operation
  - Reasonable and consistent drive times
  - New facilities developed in areas with expected future growth
  - Resilient and cost-effective service delivery
- Recycling and Waste Centre Strategy: possible elements to include:
  - Describe future upgrades to existing facilities
  - Outline potential locations for future facilities
  - Highlight plans to expand reuse and recycling
  - Identify best practices in facility design, construction, and operation.

The members broke into small groups for continued discussion on the presented draft guiding principles and possible elements for the Recycling and Waste Centre Strategy. Metro Vancouver staff took notes on the discussion. Groups were asked to consider the following questions:

- *"Is there anything missing or that should be changed in the draft guiding principles for the Recycling and Waste Centre Strategy?"*
- *"Are there any comments on the possible elements for the development of the Recycling and Waste Centre Strategy?"*
- *"Any other comments?"*

The group reconvened, and one representative from each small group was asked to highlight main ideas discussed to share with the larger group. The following comments were provided:

- Need to provide deeper definitions, including scientific data and percentages
- How to determine reasonable and consistent drive times?
- Effective cost savings measures need to be prioritized
- Ensure investment in capital structures to ensure longevity

- Define “best practices”
- Clarification needed on “resilience” and “service delivery”
- Collaboration with private sector is still a high priority for this committee
- Determining services available at private and public facilities is a priority for this committee

Co-Chair Hodge invited other committee members to share related questions and/or comments on the breakout activity. The following questions and comments (Q/C) were captured:

Q/C: Previously, facilities served single-family and multi-family, and industrial, commercial or institutional would go to the private sector.

Q/C: The primary customer at Metro Vancouver’s facilities is not business, it is small vehicles.

Q/C: Need economies of scale, should have one central facility, and have drop-off facilities serving industrial/commercial/institutional, multi-family, and single-family, and create a consistent flow of material.

A feedback summary from the small group discussions will be posted to the Industry Advisory Committee web page separately from the minutes.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, shared a presentation titled “Other Business” and highlighted:

- May 2025 Zero Waste Committee meeting cancelled
- Used oil is now accepted at the Langley Recycling and Waste Centre
- National Zero Waste Council is the recipient of the Knowledge and Insights Leadership award through the Canada Plastics Pact.

Co-Chair Hodge invited members to share related questions and/or comments on the presentation. No comments were made.

4.2 Upcoming Meetings and Key Topics

Co-Chair Lori Bryan shared a presentation titled “Upcoming Meetings” and highlighted the remaining meeting dates and key topics for 2025. The committee was invited to give feedback on the preferred topic for the second in-person meeting in October and to review the remaining key topics in the workplan to ensure they will have the chance to give input on the topics of most interest.

Co-Chair Hodge opened the floor for members to respond to the information presented. The following questions and comments (Q/C) and *responses* (*R*) were captured:

Q/C: Add “SWMP: Options Analysis/Targets” topic to the October meeting.

Q/C: Industry Advisory Committee members can direct additional topic ideas to Co-Chair Hodge or Co-Chair Bryan.

Q/C: Request that Metro Vancouver inform the Industry Advisory Committee members on goals and targets proposed to include in the draft solid waste management plan before the fall. Members will comment on specifics at the October meeting.

Q/C: Industry is waiting to understand their role within the region’s waste management plan. Currently it there is too much uncertainty around private industry capital investment as we wait to see the draft plan.

R: A draft plan should be prepared by early 2026, and Metro Vancouver will seek feedback from the Industry Advisory Committee.

Q/C: Are there any items on the list that do not seem relevant to the Industry Advisory Committee, or anything that needs to be weighed in on prior to that draft?

Q/C: The topics have been discussed, and the concrete and asphalt study report was reviewed two years ago. There are consultations and documentation on all these topics.

R: We will add the concrete and asphalt recycling report as an information item rather than as a workplan item and note the change on the workplan.

Q/C: Prepare four to five topics from the plan with a summary for review by the Industry Advisory Committee at the October meeting.

Q/C: Find private sector opportunities within this plan.

Q/C: The intent of the Industry Advisory Committee was to deal with big, hard topics, and we are not talking about those hard issues. In today’s working group, what was presented was too lofty and generalized, with insufficient detail. This industry is stalled due to uncertainty in regulation, and as a result there has been no capital investment. Metro Vancouver should put together the draft plan and let industry comment on it.

R: Part of the work will involve defining the role of the private sector.

R: The September meeting will be a good time to provide an outline of the solid waste management plan.

R: The "Concrete and Asphalt Recycling Opportunities Review" will be circulated; the key interests are noted, with a need to focus on the key items.

R: This is an Industry Advisory Committee for industry input. Metro Vancouver will provide Industry Advisory Committee feedback to the Zero Waste Committee. The Industry Advisory Committee also provides valuable feedback on relevant items apart from updating the solid waste management plan.

4.3 Review of the Industry Advisory Committee Terms of Reference

Co-Chair Hodge shared that the committee terms of reference requires regular review.

- The Industry Advisory Committee will review the Terms of Reference at least every 18 months, for consideration on whether any amendments or modifications are required.
- Requesting the Industry Advisory Committee review the Terms of Reference prior to the June 2, 2025, meeting and reach out to staff or Co-Chairs with any changes required.

Co-Chair Hodge invited members to share related questions and/or comments on the Terms of Reference. No comments were made.

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 2025 Industry Advisory Committee Meeting Schedule

5.3 2025 Industry Advisory Committee Work Plan

ADJOURNMENT

Co-Chair Hodge thanked members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held online on June 10, 2025.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 4:30 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary – May 6, 2025

At the May 6, 2025, Solid Waste and Recycling Industry Advisory Committee meeting, committee members provided feedback on the draft guiding principles and elements for a recycling and waste centre strategy that will be a component of the updated solid waste management plan. A summary of feedback received is presented below.

Discussion Topic	Feedback
Draft Guiding principles for a recycling and waste centre strategy	**Best practices in facility design and operation:** • Need to define "recycling" • Need to define "best practices" • Recycling and waste centres – suggestion they be renamed: "diversion centres" • Suggestion to show private facilities as well as public ones on the regional waste facilities map **Reasonable and consistent drive times:** • May be different for different people what reasonable times and distance – things like traffic flows, time of days, other factors like directions need to be considered • Need a working definition of "reasonable drive times" **Resilient and cost-effective service delivery:** • Cost effective is in the eye of beholder – what does it mean in this context? Definition needed. • What does resilient and cost-effective delivery mean? Need more quantifiable data to really understand what they mean. **General comments:** • What are the numbers and data that are driving these guiding principles? • More defined terms and objective are needed – these draft principles are too vague • Desire to learn about Metro Vancouver's goals and objectives and get clarity about what level participation is available from waste and recycling industry. • Key issue: what is the role of private sector if Metro Vancouver develops competitive facilities? For private sector, can't invest in business if no certainty. • Recycling is all about economies of scale. Is this strategy focusing on providing services that private industry that cannot meet?

Discussion Topic	Feedback
Draft elements of a recycling and waste centre strategy	• Include an element on effective cost saving measures while still maintaining or improving the current level of diversion. • With regards to "describe future updates to facilities", suggest prioritizing AI and other structural/capital investments to ensure longevity. This is an area that private sector could collaborate. • Potential locations and reduction of GHG emissions are linked and important as the population increases throughout the region. Changes to zoning can negatively impact the potential and existing locations for recycling facilities. Important that municipalities set aside areas in their OCP to allow for these facilities to be built and operated. • Identify the type of waste that Metro Vancouver is targeting – who are the customers? • Include expansion of services in the draft elements.
Committee Function	**Feedback**
	• Suggestion to convene a working group outside of the IAC to give feedback on this topic – target users of the facilities. • Preference is to have consensus or a voting system when determining decisions regarding the solid waste management plan update.
	Additional comments / questions
	• Why are solid waste facilities owned and managed by Metro Vancouver instead of the private sector? • Is this strategy going to address the lack of infrastructure?

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair) (via teleconference)
Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Agassiz, Sam – West Coast Reduction Ltd.
Atkinson, Brooke
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Vargas, Pinky – Republic Services
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metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, June 10, 2025
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 June 10, 2025 Meeting Agenda

2. MINUTES

2.1 May 6, 2025 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 SWMP: Regulatory Strategy
For small group discussion
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 SWMP: Idea Generation Engagement Summary Report Back
For information/Q&A
Designated speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 September Facility Tour and Zero Waste Conference Registration
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

5. INFORMATION ITEMS

5.1 Concrete and Asphalt Recycling Opportunities Review
5.2 Regional Waste Flows
5.3 2025 IAC Work Plan

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
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Zarbl, Michael - Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held virtually at 2:00 p.m. on Tuesday, June 10, 2025.

MEMBERS PRESENT:

Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Abrams, Izzie – Waste Connections of Canada
Furtado, Glen – Cement Association of Canada
Johnson, Gord – Northstar
Hankins, Grant – Canada Minibins.com Ltd.
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
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Van Beusekom, Brent – Product Care Association
Vargas, Pinky – Republic Services
Zarbl, Michael – Major Appliance Recycling Roundtable

MEMBERS ABSENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Agassiz, Sam – West Coast Reduction Ltd.
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
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Muir, Wesley – Veolia North America (Canada)
Prasad, Shad – Cascade Recovery +
Skoropada, Lorne – Ridge Meadows Recycling Society

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Lynn Belanger – City of Vancouver
Chris Clarke – Engagement Specialist, Metro Vancouver
Terry Fulton, Senior Project Engineer, Metro Vancouver
Joanne Gauci – Policy Coordinator, Metro Vancouver
Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver
Allen Jensen – Senior Project Engineer, Metro Vancouver
Samantha Joy, Engagement Specialist, Metro Vancouver
Stephanie Liu, Manager, Solid Waste Community Engagement, Metro Vancouver
Zeenia Mizan – Program Assistant, Metro Vancouver
Nanette van Doorn – Communications Advisor, Metro Vancouver
Lynne Vidler, Lead Senior Engineer, Metro Vancouver

PREPARATION OF MINUTES: Sandra Moore, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, June 10, 2025
2:00 pm – 4:00 pm
Zoom Teleconference

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1. AGENDA
1.1 June 10, 2025 Meeting Agenda

2. MINUTES
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3. REPORTS AND ITEMS FOR DISCUSSION
3.1 SWMP: Regulatory Strategy
For small group discussion
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 SWMP: Idea Generation Engagement Summary Report Back
For information/Q&A
Designated speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

***4.* OTHER BUSINESS**
4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 September Facility Tour and Zero Waste Conference Registration
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

5. INFORMATION ITEMS
5.1 Concrete and Asphalt Recycling Opportunities Review
5.2 Regional Waste Flows
5.3 2025 IAC Work Plan

Co-Chair Craig Hodge, called the meeting to order at 2:01 p.m. and welcomed at endees to the Solid Waste and Recycling Industry Advisory Commit ee meeting. Housekeeping reminders were provided, including that the meeting was being live-streamed and would be posted to the Industry Advisory Commit ee webpage.

1. AGENDA

1.1 June 10, 2025, Meeting Agenda

Co-Chair Hodge reviewed the June 10, 2025, meeting agenda. No additions were made.

2. MINUTES

2.1 May 6, 2025, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the May 6, 2025, Industry Advisory Committee meeting and clarified that the minutes are prepared by an external notetaker as required by the committee Terms of Reference. It was further noted that meeting minutes are not taken during the breakout sessions, but key comments are captured by Metro Vancouver staff members. Summaries of the small group feedback are provided following the sessions, posted on the website, and, if relevant, included in the feedback log for the solid waste management plan update. It was suggested that the small group feedback summaries could be included as an attachment to the minutes moving forward.

Co-Chair Hodge noted that concerns that had been raised by a member through email regarding certain discussions not captured in the minutes.

The following remarks were offered by a committee member, with *responses* noted as follows:

- Concern regarding a discussion about the progress and process of the solid waste management plan update at the last meeting not being included in the minutes.
    - Specifically feedback on the draft hierarchy and disagreement on the inclusion of energy recovery being classified as recycling.
    - Further feedback that the committee wants meaningful opportunities to contribute to the solid waste management plan and requested a draft for comment at the earliest date possible.
- With regard to previous minutes being amended, concerns raised about not notifying members when amended minutes are published
- Concern about insufficient time to review meeting minutes prior to a meeting
    - *Agreement that the timing of the distribution of the minutes can be reviewed, to ensure members receive the minutes promptly*
    - *Clarification that following the discussion and feedback received at the previous meeting regarding the updated hierarchy and goals for the updated plan, Metro Vancouver staff are working on an updated version that incorporates feedback received from this committee and others and which will be circulated to the members*

for review and comment

- *Members were encouraged to review the minutes and identify if any key points are missing, and are provided an opportunity at each meeting to offer comments*
- *Confirmation that any previous updates requested to the minutes have been completed and amended minutes reposted to the web page. In future, members will be notified when revised minutes or feedback summaries are posted to the webpage.*

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 SWMP: Regulatory Strategy

Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, shared a presentation titled "Solid Wate Management Plan Regulatory Strategy" and highlighted the purpose of the strategy, roles and responsibilities within and outside the GVS&DD Authority, existing Metro Vancouver Solid Waste bylaws, draft regulatory priorities, examples of potential future regulatory mechanisms, and next steps.

The members joined four breakout groups to consider the following question, "*Considering the draft regulatory priorities and example possible future regulatory mechanisms, is anything missing or that should be changed? Any other comments?*"

The group reconvened, and members were invited to highlight important discussions from their groups to share with the larger group.

A summary of the feedback from the small group discussions will be provided to the committee, posted to the Industry Advisory Committee webpage, and considered as input to the options analysis phase of engagement for the solid waste management plan update.

Co-Chair Hodge invited members to share additional questions and/or comments. The following questions and comments (Q/C) and *responses* (*R*) were captured:

Q/C: With regards to the generator levy – can you share how many tonnes are currently reported to Metro Vancouver?

R: As far as we are aware, all the residential, commercial, and institutional garbage generated within the Metro Vancouver region is delivered to the Metro Vancouver and City of Vancouver solid waste facilities. We have no information at this point in time to suggest that garbage is being hauled elsewhere.

Q/C: If garbage is not currently leaving the region, why would we continue to introduce measures to further strengthen the generator levy?

R: The current situation suggests that the generator levy as a tool is working effectively. At this point, we do not see any gaps in the regulatory framework with respect to ensuring compliance with the generator levy.

Q/C: I guess that maybe down the road it may need to be looked at, but for now it looks like we do not have to do anything new.

R: Metro Vancouver does not see value in implementing regulatory measures that do not have a benefit or where the benefits would be outweighed by impacts. We can look at priorities to make sure that is clear as that would be a consideration in looking at any new regulatory mechanism.

It was noted that the GVS&DD Board makes the final decisions with respect to regulatory measures. If challenges are identified with respect to being able to ensure compliance with the generator levy provisions, then proposed amendments would be brought forward to the Board.

It was further noted that there are no specific plans to implement new regulatory measures throughout the term of the plan however if any new regulatory measures were proposed, there would be an engagement process related to the specific proposed measure. The updated solid waste management plan will not prescribe specific regulatory measures but will describe priorities to use when considering new regulatory measures in the future, along with potential example regulatory measures as described in the presentation.

3.2 SWMP: Idea Generation Engagement Summary Report Back

Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services shared a presentation titled "Idea Generation Engagement Summary: Solid Waste Management Plan Update" and highlighted the project timeline, idea generation feedback summary, options analysis engagement, and next steps.

Co-Chair Hodge invited members to share related questions and/or comments. The following questions and comments (Q/C) and *responses* (*R*) were captured:

Q/C: When we get the draft solid waste management plan, how much time will we have to review the plan before it is submitted to the Ministry?

R: We will make sure everyone has sufficient time to review the drafts. To avoid trying to talk through the entire plan during one meeting, our approach will be to send out sections of the draft plan as we have them to provide the opportunity for early feedback. We are still considering the process for the Zero Waste Committee and the Board, but we will have more information on that soon.

Q/C: During this process of updating to the solid waste management plan, what plan have we be working under?

R: Solid waste management plans do not expire. The provincial guideline is that the process to update the plan should be initiated within 10 years of the plan being approved. The current plan stays in effect until the next plan is approved.

Q: If industry is not happy with the existing plan, but Metro Vancouver is – where is there incentive to get the plan moving forward, and completed in a timely fashion?

R: We are all committed to get to a new plan as fast as we can. We think the plan update is valuable and from the Metro Vancouver perspective, we are keen to get to a new plan as fast as we can.

R: We, as a region, are motivated to complete the draft plan. Once a draft plan is submitted to the Minister of Environment and Parks, the Minister will need time to review the draft and all the feedback received throughout the process.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson shared a presentation titled, "Zero Waste Committee and Other Updates", which highlighted reports that went to the Zero Waste Committee in June including: food scraps recycling campaign results, a solid waste management plan progress update, the completion of the Waste-to-Energy Facility Carbon Capture/Storage report, GVS&DD audited 2024 summary financial statements, and continued improvements at recycling and waste centres. A summary of a recent Home Demolition Waste Prevention Forum was also provided.

4.2 September Facility Tour and Zero Waste Conference Registration

Samantha Joy, Engagement Specialist, Metro Vancouver, highlighted the upcoming tour on September 18 at the Vancouver landfill. It was noted that a meeting invitation was sent to committee members, and any interested members could contact staff regarding attending. It was further noted that an Educational Resources and Tools workshop focusing on multi-family was coming up on June 23, and a registration link was included in the meeting agenda. Members were also invited to contact staff if they were interested in attending the Zero Waste Conference in November.

5. INFORMATION ITEMS

5.1 Concrete and Asphalt Recycling Opportunities Review

5.2 Regional Waste Flows

5.3 2025 IAC Work Plan

ADJOURNMENT

Co-Chair Hodge provided closing comments, thanking members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held online on September 9, 2025.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:24 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary – June 10, 2025

At the June 10, 2025, Solid Waste and Recycling Industry Advisory Committee meeting, committee members provided feedback on draft priorities and possible future regulatory mechanisms for the draft regulatory strategy to be included in the updated solid waste management plan. A summary of feedback received is presented below.

Discussion question	Feedback
Is there anything missing or that should be changed in the draft regulatory priorities and possible future regulatory mechanisms?	**Possible regulatory mechanisms** • Design for recyclability • Regulatory mechanisms should be in true response to priorities and be market driven • Include financial and other incentives for generators and haulers to promote reuse and recycling • Narrow down the mechanisms to just two or three actions that can achieve most broad reaching results • Include enforcement at the household level and on the tipping floor to reduce recyclables in residential garbage • Generator levy: o Processor/receiver perspective: not much needs to change o Hauler perspective: it is not effective, consistent, or equitable • Enhance the disposal ban program with better education and enforcement • Follow existing provincial programs and regulations, don't create anything new. **Regulatory priorities** • Increase reuse and recycling at the source – focus on solutions for multi-family • Encouragement and incentives will expand reuse and recycling – not licencing or further regulation. Less regulation will encourage industry to respond with innovation • Disposal ban enforcement • Keep administrative burden for haulers low • Set realistic goals • We need more monitoring, more enforcement of existing regulations, rather than introducing more regulations • Ensure Metro Vancouver is prepared to accept new extended producer program materials/products

	Existing Metro Vancouver Bylaws • Feel that both industry and Metro Vancouver is overextended with current levels of regulation (understaffed and under resourced) – can we look at incentivizing innovation? • Would appreciate greater clarity and transparency on how revenue from generator levy is allocated and how decisions are made with respect to spending priorities (infrastructure, facilities, etc.) • Generator levy is ineffective and needs to be changed – too much administrative burden o Data collection and admin drives up costs – concerns about administrative burden on haulers to comply **General Comments and Feedback** • What does it mean to "enhance the disposal ban"? • What is the measurement or performance metric for determining the "effectiveness" of the generator levy? • This feels like mission creep by local government • Possible that this is encroachment into existing regulatory programs – many of the suggested regulatory mechanisms fall under Provincial programs. • There is already too much regulation – look to Baltimore as example of a place where industry is not over-regulated • We have had this same conversation since 2013 – we need less regulation. Tired of giving the same feedback. • This is the fourth time this topic has been brought up – we do not want hauler licencing.
Additional comments	
	• The industry Advisory Committee is dysfunctional – we need more decisive action

MEMBERS PRESENT:

Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Abrams, Izzie – Waste Connections of Canada
Furtado, Glen – Cement Association of Canada
Johnson, Gord – Northstar
Hankins, Grant – Canada Minibins.com Ltd.
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd
Lannin, Mike – Super Save Group
MacFarlane, Angus – Growing City
Mac Neil, Patrick – Wescan Disposal Ltd.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – <Organization>
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Skei, Dayton – Evergen Infrastructure Corp.
Stefenelli, Nicole – Urban Impact Recycling Ltd.
Van Beusekom, Brent – Product Care Association
Vargas, Pinky – Republic Services
Zarbl, Michael – Major Appliance Recycling Roundtable

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, September 9, 2025
2:30 pm – 4:30 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 September 9, 2025, Meeting Agenda — 2:30 – 2:35 pm

2. MINUTES

2.1 June 10, 2025, Meeting Minutes — 2:35 – 2:40 pm

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Draft Solid Waste Management Plan Outline — 2:40 – 3:00 pm

For information

Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

A brief presentation will accompany this item to introduce the contents of the outline and highlight key areas of focus. An in-depth discussion will take place at the October meeting – committee members are encouraged to review the outline in detail ahead of that meeting. This approach is intended to give members adequate time to consider the structure and direction of the plan before providing feedback.

3.2 SWMP Update: Residual Waste Management Options Study — 3:00 – 3:30 pm

For plenary discussion

Designated speakers: Paul Henderson, General Manager, Solid Waste Services
Nathalie Marble, Team Lead, Senior Solid Waste Engineer, Stantec

3.3 SWMP Update: Strategies and Rubric — 3:30 – 4:00 pm

For plenary discussion

Designated speaker: Karen Storry, Senior Engineer, Solid Waste Services and Stephanie Liu, Manager, Community Engagement

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates — 4:00 – 4:10 pm

For information

Designated speaker: Paul Henderson, General Manager, Solid Waste Services

5. NEXT STEPS

5.1 Vancouver Landfill Tour

4:10 – 4:20 pm

For information
Designated speaker: Director Hodge, IAC Co-Chair

5.2 Solid Waste Management Plan Update – October and November Meetings

For information
Designated speaker: Director Hodge, IAC Co-Chair

6. INFORMATION ITEMS

6.1 Regional Waste Flows
6.2 Correspondence with HSR Zero Waste
6.3 2025 IAC Work Plan

Proposed agenda timings are intended to support effective meeting facilitation. Items requiring further discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Janzen, Tessa – Recycle BC
Johnson, Gord – Northstar
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
Punja, Rustam – Geocycle Canada Inc.
Prasad, Shad – Cascade Recovery +
Skei, Dayton – Evergen Infrastructure Corp.
Skoropada, Lorne – Ridge Meadows Recycling Society
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Van Beusekom, Brent – product Care Association
Vargas, Pinky - Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael - Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held virtually at 2:00 p.m. on Tuesday, June 10, 2025.

MEMBERS PRESENT:

Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Abrams, Izzie – Waste Connections of Canada
Furtado, Glen – Cement Association of Canada
Johnson, Gord – Northstar
Hankins, Grant – Canada Minibins.com Ltd.
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
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MEMBERS ABSENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Agassiz, Sam – West Coast Reduction Ltd.
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Dietrich, Christian – Ecowaste Industries
JansenVandoorn, Josh – Anaconda Systems Ltd.
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METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Lynn Belanger – City of Vancouver
Chris Clarke – Engagement Specialist, Metro Vancouver
Terry Fulton, Senior Project Engineer, Metro Vancouver
Joanne Gauci – Policy Coordinator, Metro Vancouver
Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver
Allen Jensen – Senior Project Engineer, Metro Vancouver
Samantha Joy, Engagement Specialist, Metro Vancouver
Stephanie Liu, Manager, Solid Waste Community Engagement, Metro Vancouver
Zeenia Mizan – Program Assistant, Metro Vancouver
Nanette van Doorn – Communications Advisor, Metro Vancouver
Lynne Vidler, Lead Senior Engineer, Metro Vancouver

PREPARATION OF MINUTES: Sandra Moore, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, June 10, 2025
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA
1.1 June 10, 2025 Meeting Agenda

2. MINUTES
2.1 May 6, 2025 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION
3.1 SWMP: Regulatory Strategy
For small group discussion
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 SWMP: Idea Generation Engagement Summary Report Back
For information/Q&A
Designated speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

***4.* OTHER BUSINESS**
4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 September Facility Tour and Zero Waste Conference Registration
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

5. INFORMATION ITEMS
5.1 Concrete and Asphalt Recycling Opportunities Review
5.2 Regional Waste Flows
5.3 2025 IAC Work Plan

Public Consultation and Engagement Summary Report | 1732

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1. AGENDA

1.1 June 10, 2025, Meeting Agenda

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Q/C: I guess that maybe down the road it may need to be looked at, but for now it looks like we do not have to do anything new.

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5. INFORMATION ITEMS

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5.2 Regional Waste Flows

5.3 2025 IAC Work Plan

ADJOURNMENT

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The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:24 p.m.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, October 7, 2025
1:00 pm to 4:00 pm
Metro Vancouver Head Office – Conference Centre

A G E N D A

1. AGENDA

1.1 October 7, 2025 Meeting Agenda — 1:00 – 1:05 pm

2. MINUTES

2.1 September 9, 2025 Meeting Minutes — 1:05 – 1:10 pm

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Potential Strategies and Actions Feedback Session

- Plenary discussion on actions under Recover, and ideas staff consider unadvisable — 1:10 – 1:50 pm

- Small group discussion on first 4 Rs (Rethink, Reduce, Reuse, Recycle) — 1:50 – 3:05 pm

Designated speakers: Paul Henderson, General Manager, Solid Waste Services; Terry Fulton, Senior Project Engineer, Solid Waste Services; Stephanie Liu, Program Manager, Solid Waste Community Engagement

3.2 IAC Discussion / Feedback on Solid Waste Management Plan Draft Outline and Residual Waste Management Options Review — 3:05 – 3:50 pm
For plenary discussion
Designated speakers: Paul Henderson, General Manager, Solid Waste Services

Proposed agenda times are intended to support effective meeting facilitation. Items requiring extended discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

3:50 – 4:00 pm

- October 2025 Zero Waste Committee agenda
- BCUC applications – BC Hydro electricity purchase agreement and Burnaby thermal purchase agreement
- Waste-to-Energy Facility Operational Certificate

For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. INFORMATION ITEMS

5.1 Regional Waste Flows
5.2 2025 IAC Work Plan
5.3 Greenhouse Gas Emissions from Disposal
5.4 Zero Waste Conference – November 27, 2025

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
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Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
Punja, Rustam – Geocycle Canada Inc.
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Sigmund, Sandy – Encorp Pacific Canada, Return-It
Van Beusekom, Brent – product Care Association
Vargas, Pinky - Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael - Major Appliance Recycling Roundtable

Solid Waste Management Plan Options Analysis – Potential Strategies and Actions Review

October 7, 2025
Meeting Notes

A Solid Waste and Recycling Industry Advisory Committee meeting was scheduled for October 7, 2025, in person, at Metro Vancouver Offices (4515 Central Boulevard, Burnaby). The meeting did not have quorum so the meeting was considered a workshop with participation from members of the Solid Waste and Recycling Industry Advisory Commit ee (Industry Advisory Commit ee). Feedback from the workshop will be shared with the Industry Advisory Commit ee.

Two members of the Solid Waste Management Plan Consultation and Engagement Panel were observing the session: Celena Benndorf and Komal Fatima. The Engagement Panel was established to ensure the engagement process for the Solid Waste Management Plan was transparent, inclusive, and informed with diverse perspectives throughout all phases of the project.

MEMBERS PRESENT:

Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Charles, Terry – Northstar Clean Technologies (alternate for Gord Johnson)
Crawford, Jeremy – Waste Control Services
Collins, James – Tymac Launch Service Ltd.
Janzen, Tessa – Recycle BC
Kaminski, Jamie – HSR Zero Waste
Kiani, Aiden – Lock-Block Ltd
Lannin, Mike – Super Save Group
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascades Recovery +
Punja, Rustam – Geocycle Canada Inc.
Vargas, Pinky – Republic Services

METRO VANCOUVER STAFF:

Brooke Atkinson, Senior Engagement Specialist, Metro Vancouver
Terry Fulton, Senior Project Engineer, Metro Vancouver
Allen Jensen, Senior Project Engineer, Metro Vancouver
Stephanie Liu, Manager, Community Engagement, Metro Vancouver
Zeenia Mizan, Program Assistant, Metro Vancouver
Paul Henderson, General Manager, Metro Vancouver
Karen Storry, Senior Project Engineer, Metro Vancouver
Chris Underwood, Division Manger SW Planning, Metro Vancouver
Lynne Vidler, Lead Senior Engineer, Metro Vancouver

GUESTS:

Celen Benndorf, Panel Member
Komal Fatima, Panel Member
Corey Magee, Republic Services, Observer

PREPARATION OF NOTES:

Priya Kullar, Raincoast Ventures Ltd.

PLENARY DISCUSSION ON ACTIONS UNDER RECOVER, AND IDEAS STAFF CONSIDER UNADVISABLE

Paul Henderson, General Manager, Metro Vancouver, shared information about actions under 'Recover', as well as the draft summary of ideas that staff consider unadvisable.

Paul Henderson invited members to share related questions and/or comments. The following questions and comments (Q/C) and *responses* (*R*) were captured:

Q/C: Clarity is needed on what wood is considered "unsuitable" for reuse or recycling/composting. Are we only talking about painted or treated materials that cannot be composted?

R: *Manufactured wood products and dimensional lumber, if not recycled, are currently being used as a fuel source. Clean wood (untreated) may be used as fuel if there is insufficient processing capacity for composting.*

Q/C: The text on the slide refers to "unsuitable for reuse or recycling" and dimensional lumber could technically be composted. We should clarify the language if we are actually talking about wood that is beyond what can be managed at processing facilities.

R: Agree that a clarification would make sense.

Q/C: Consideration should be given to how we can build composting capacity.

Q/C: A significant amount of laminate flooring has glue, and that should not be burned because it can become toxic.

Q/C: Metro Vancouver has not shared provided sufficient detailed information sufficient to understand the costs of various disposal options.

R: *At the last Zero Waste Committee meeting, a report contained a summary of costs related to the Waste-to-Energy Facility, Vancouver Landfill, and contingency disposal at remote landfills. The next Zero Waste Committee meeting is Thursday, October 9, 2025, and the agenda contains additional information with more detail on the breakdown of the costs. This information can be shared with the Industry Advisory Committee afterwards.*

Q/C: There were a number of ideas that have been identified as considered unadvisable by staff, but it was not discussed with the Industry Advisory Committee. For example: "replace source separation programs with mixed-waste collection and sorting programs" was marked as unadvisable, but we have not seen fulsome information shared with the Industry Advisory Committee comparing mixed waste processing with source separation programs.

R: *We have observed over the years the challenges associated with mixed waste processing facilities. There is additional information in the Residuals Management Options Review report that was provided to the committee.*

Q/C: The ideas considered unadvisable by staff – this is ideological and irrational, specifically around privatization. There are no activities that cannot be performed privately, and everyone is being told this is not an option to explore, simply because Metro Vancouver exists. The private sector could provide services with appropriate regulation in place.

R: *Metro Vancouver has repeated requested that committee members share information demonstrating other systems / models that have performed well compared to our region and achieved higher recycling rates.*

Q/C: Performance is a subjective measure. The reality is that the private sector can achieve the same performance, particularly with regulation in place that imposes the same rules, and the private sector would assume all associated risks, but Metro Vancouver is not letting this happen. The system would be more robust if run by the private sector compared to the public sector. Metro Vancouver should have considered and researched privately run systems, and not suggest that it is up to committee members who participate on a volunteer basis to provide that information.

POTENTIAL STRATEGIES AND ACTIONS FEEDBACK SESSION

Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, shared a presentation titled "Potential Strategies and Actions" and informed that the ideas generated in the Idea Phase were reviewed and consolidated, noting that some ideas are considered inadvisable by staff. The purpose of the small group discussion is to help identify what strategies and actions should be prioritized for inclusion in the solid waste management plan.

It was noted that the full list of potential strategies and actions is published on the website, and a feedback form is available for comments until October 31, 2025.

Stephanie Liu, Program Manager, Solid Waste Community Engagement, provided instructions for the small group breakout activity. Industry Advisory Committee members were invited to select topics they wanted to discuss and provide feedback on. A Metro Vancouver staff member facilitated discussions at each table and took notes. It was noted that the activity would help prioritize the different potential strategies and actions, and if elements were missing, members were encouraged to highlight these to the facilitators.

After the small group discussion, participants were encouraged to share any information that was highlighted during the breakout activity. No comments were shared.

Notes from the small group discussion are included as **Attachment 1**. All feedback will be tracked and considered as the strategies and actions are further refined before the solid waste management plan is drafted. Some highlights from the feedback are presented below.

Topic	Industry Advisory Committee Comments
Regulation and Incentives	• Incentives are preferred as opposed to regulations • Regulations should consider impact on businesses and affordability overall • Caution related to a potential hauler incentive program to help their customers reduce waste – there are limitations to the tools available to haulers to be able to participate. • Emphasis on ensuring markets exist before introducing new disposal bans, and the need for clear criteria and rationale
Recycling / Composting	• Include zoning and permitting considerations in the action about facilitating siting of private sector recycling activities • Metro Vancouver to support recycling markets through procurement policies and potential regulatory requirements for recycled content (e.g. concrete, compost) • Support for expanding Extended Producer Responsibility programs, with a focus on low-impact packaging and direct collection of materials like flexible plastic and foam, while acknowledging implementation challenges
Implementation, Education, and Outreach	• Support for education for strata corporations. • Identified where efficiencies could be realized, such as strategic use of AI to provide information to residents. • Identified practical challenges related to some of the potential actions such as collecting data on residential waste reduction efforts, in person education for residents, or improving recyclability of paper products like coffee cups. • More examples and guidance are needed to support commercial and institutional reuse/refill initiatives • Industry would benefit from Metro Vancouver produced resources showing waste destinations and processing methods, which could also enhance resident participation • Recommendations to streamline recycling databases and improve existing digital tools rather than creating new ones • Litter and clean-up efforts are too focused on disposal – need to focus more upstream
General	• Suggestions to combine certain actions that are related to avoid repetition • Actions should be more specific and actionable

IAC Discussion/Feedback on SWMP Draft Outline and Residual Waste Management Options Review

Information on the solid waste management plan draft outline and residual waste management options review was included in the September 9, 2025, Industry Advisory Committee meeting package. Participants were invited to provide additional feedback regarding these two items. No comments were shared.

Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Solid Waste Services, shared a presentation titled, "Zero Waste Committee and Other Updates," which highlighted the following:

- Upcoming October 9, 2025, Zero Waste Committee agenda items, including 5-year Financial Plan and 2026 Tipping Fees (increasing by $7 per tonne)
- Proposed tipping fee of $7 per tonne (aligns with last year's projection)
- Two proceedings are ongoing related to the British Columbia Utilities Commission including the Waste-to-Energy Facility Electricity Purchase Agreement renewal and the Waste-to-Energy Facility District Energy System.
- In September 2025, the Ministry of Environment and Parks issued an updated Operational Certificate for the Waste-to-Energy Facility, including requirement for a series of studies and proposed draft revised discharge limits by September 2026.

Attachments

1. Small Group Discussion Notes – Potential Strategies and Actions Feedback Session

SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Potential Strategies and Actions Feedback Session

October 7, 2025 – 1:00 pm to 4:00 pm

In-Person Meeting

Metro Vancouver Head Office
28 Floor, 2809 Conference Room

Feedback Summary

6 Table Groups:

- Rethink
- Reduce
- Reuse (food and built environment)
- Reuse (reuse, refill, repair)
- Recycle (education)
- Recycle (infrastructure and programs)

RETHINK

Round 1

Number of Participants: 3

Fist of 5

Action ID	Total Score
ID001	13
ID003	12
ID090	12
ID002	10

Action ID	Total Score
ID005	8

Discussion

Action ID and brief description	Comments / Feedback
ID001	• What is considered compostable is a key policy piece to work on • Consistent regulation for recycled material is important
ID090	• Eliminate food waste would be positive • Need to make sure there are no liability implications with respect to donating food. • Making it a requirement to donate food could help. • Need to paint a picture of what this looks like as it is unclear what this means.

	• The implementation of regulation is key. The approach needs to keep the cost for government and business down.
ID003	• No comments
ID004	• No comments
ID005	• Concern that the administration cost would result in a need to increase taxes. • This could have the biggest impact if done correctly without increasing cost for government and business. • Prefer incentives instead of regulations. • If we want to put in regulations, we need to make sure they allow the industry to make money, or a least not lose money. • Concerns about the impact of regulation on the cost of housing. • Suggestion that it would better to increase the cost of C&D disposal to encourage diversion of construction and demolition waste.

REDUCE

Round 1

Number of Participants: 5

Strategy: 2.2 Support residents adopting waste prevention habits

Fist of 5

Action ID	Total Score
ID104	17
ID080	11
ID081	11

Discussion

Action ID and brief description	Comments / Feedback
ID080	• Comment that the practicality is difficult – how do you gather the data to then get a scorecard for people? • Hard to do on a personal level where it's the most beneficial. Easy to get data collectively but that's not as effective.
ID104	• Important for strata's to know what they're supposed to be doing.

ID081	• Good idea but not sure how many people would show up. • Should go to schools – especially upper high school to show them what to do. Grade 10-12. • Hard to tell a 30-year-old what to recycle. Start them young. • Make it more targeted – not general but more targeted like schools. • Could create AI strategies for answering questions firsthand instead of hiring people to do this. • Must be intuitive. We don't have to use people / do in -person. Use other methods. • We can have this action, but it shouldn't be in person.

Round 2

Number of Participants: 5

Strategy: 2.4 Disposal Bans

Fist of 5

Action ID	Total Score
ID107	4
ID106	13
ID105	18

Discussion

Action ID and brief description	Comments / Feedback
ID107	• Does the fine actually help to divert waste or does it just increase revenue to Metro Vancouver? • It's not going to change behaviour because you have several customers and buildings in one load – it will be impossible to find out where the one clear bag came from. • What happens after the fine – do we then remove the recyclable item and divert it? • The disposal bans are most effective for small customers who are bringing in their own materials. However, those customers are a large percentage of customers but a small percentage of the waste.
ID106	• Good idea but depends on implementation and what those incentives look like. • There are limitations in technologies that would assist haulers to participate. • For example: cameras – way to scan baled cardboard and plastics to see moisture content, density, etc. • I don't need Metro Vancouver to give incentives to me to have a broader list of services to provide to customers. I do that on my own as that is good for business.

	• Who could be against incentives.
ID105	• Low support for this action. • It only works if there is somewhere to recycle these materials • If there's a market for it, I'm 100% for this. • We can't create a ban just because we don't think it should go in a landfill – but it needs to be able to go to higher and better use, or it's hazardous in the waste. Don't ban just for the sake of banning it. We need a rationale. Need to include these criteria in the action – i.e. at what point would you introduce a disposal ban (currently the action doesn't specify) • Also consider whether materials are problematic in landfill or not. Materials that are not as problematic should be lower priority for adding as a ban. • Add "Continue to" at the front of the action, to say that it's something that is already happening now.

REUSE
(food and built environment)

Round 1 and 2
Number of Participants: 0

- No participants at this table during small groups on both rounds

REUSE
(reuse, refill, repair)

Round 1
Number of Participants: 2

Strategy: 4.5 Make recycling easier and more effective by reducing confusion and improving convenience

Fist of 5

Action ID	Total Score
ID051	3
ID084	0
ID054	4
ID050	4

Action ID	Total Score
ID053	4
ID056	2
ID055	3
ID165	4

Discussion

Action ID and brief description	Comments / Feedback
In general – Strategy 3.4	• What kind of success are third party reuse agencies having? What examples can you point to make it easy to understand the programs and approach. • Need more public education about reuse opportunities.
ID084	• Not clear what it means – need more information. • Provide examples, how would this actually work?
ID056	• Has it been successful, is it gaining any traction? Would like to see the metrics about how the existing program has worked. • Having the opportunity to salvage on site may increase uptake (e.g. success of city-wide garage sale events– community has the opportunity to pick up used items from their neighbours before the city comes to pick it up.) • Clearer messaging and promotion of the existing reuse days needed. • Make sure there are easy places to take materials they are no longer using.
ID053	• Really interesting concept – longer life model (like reusable glass bottles) is desirable. • Could be tied to ID050 – schools and universities would be a good place to launch pilot programs. Youth might be more enthusiastic about a pilot, passionate sustainability advocates. • Control is important to ensure a successful program.
ID054	• Having one spot with re-use businesses together might help with uptake – communal collection place.

RECYCLE
(education)

Round 1

Number of Participants: 2

Strategy: 4.7 Increase transparency of what happens to materials from recycling and green bin programs

Fist of 5

Action ID	Total Score
ID159	12
ID156	9
ID157	7
ID158	5

Discussion

Action ID and brief description	Comments / Feedback
ID 159	• Specify what materials this action is referring to (compostable vs. bottles) • Educate the residents and customers on what efforts are being made to divert materials from landfills • Currently industry businesses spend a lot of time researching materials and where they go so that they can create communications for their customers to build confidence • Would be nice for Metro to put this together for industry to use • Consider including items like cooking oil and parmesan cheese (products that come off cruise ships) • Fibre disposal industry – gets the wrong materials all the time (e.g. raw meat) • Consumers seem to think it's just easier to pass on the responsibility to industry rather than doing their own diligence to find out where to properly dispose of materials • Education could be helpful to reduce the confusion and reduce the mentality that it is easier to just put on the industry to deal with, which ends up being costly for industry
ID156	• Change language to specify if it's "which" organizations or "how" organizations are handling materials • Would this action call out each organization? Or just in general have a type of material and how it is generally handled in the system? • Could include "which" and "how" to expand on this action
ID157	• This action is only for very specific audiences like school tours or NGO's – not as applicable for industry
ID158	• Focus more on making the current databases less confusing for the users • There is a lot of redundancy and deficiencies in the current databases (Waste Wizard and Recyclepedia) • Would be best to focus on making ONE app that does it all and has all materials where they go and what happens to them after (lifecycle process)

Round 2

Number of Participants: 2

Strategy: 4.5 Make recycling easier and more effective by reducing confusion and improving convenience

Fist of 5

Action ID	Total Score
ID136	5
ID135	5
ID142	5
ID134	5

Action ID	Total Score
ID132	4
ID138	4.5
ID131	3
ID140	3

Action ID	Total Score
ID137	3

Discussion

Action ID and brief description	Comments / Feedback
ID136	• Standardizing materials will make it easier, but does this action mean doing this by collaborating with EPR programs with signage for accepted materials and education? • Consider creating a potential working group for EPR program leads and Metro Vancouver to collaborate on to ensure consistency o Does something like this working group already exist? Is there a working group for the Regional Districts that exists to discuss EPR programs?
ID135	• This feels like a very high-level action, whereas action ID 142/131/135 seem to be the actual actions to take to make this action happen of providing clear, consistent guidelines on what can and cannot be recycled • Consider combining into one action that encapsulates the objective (clear and consistent guidelines, and the tangible ways to do that)
ID142	• Integrate this action with the Waste Wizard if possible, should be easy enough to add these layers of accessibility to the existing Waste Wizard to improve it • Encourage all existing apps to include accessibility options and multilingual instructions in QR Codes rather than creating a new app which could get lost in how many currently exists
ID134	• Combine this action with 135/136 to bundle the objective of providing clear guidelines and centralizing information sources
ID132	• This action could include multi-family residents easily by having a recycling champion on each building, or working with property managers to include the encouragement through signage in the building • The success of each multi-family building being a champion could build community around being a green conscious building • How do we tackle this in single family homes? How could a reward system work for them?

ID138	• Make this action most effective by having the residents in the building be the ones to educate others on how to use the recycling room correctly • Added space will be very valuable in the future as more bins are potentially added to some municipalities (i.e. flexible plastics in Vancouver) – will need more room
ID131	• Consider having more EPR programs in place before this action can exist and be effective in the system • Accessibility to textile recycling will increase if there are end markets for the materials and EPR programs that help with this
ID140	• Update action to have more clear language around what access requirements mean in this action • Specify what type of knowledge sharing, or how to best implement knowledge sharing between Metro Vancouver, members, and industry
ID133	• Combine this action with 135 so it outlines the objective of this action better and the customizable tools to be the way to achieve it • Could shorten the list of actions by doing this

RECYCLE
(infrastructure and programs)

Round 1

Number of Participants: 5

Strategy: 4.1 Promote design for recyclability and the use of recycled content in products and packaging

Fist of 5

Action ID	Total Score
ID109	11/25
ID110	13/20
ID111	23/25
ID112	12/20
ID113	9/25

Discussion

Action ID and brief description	Comments / Feedback
ID109	• There is a lot of industry greenwashing and this action would help address this.

	• Why just coffee cups -- e.g. Tetra Pak and milk containers are missing • Very difficult to implement. • No clear definition of recycling. • Consumers have a difficult time properly grading plastics.
ID111	• Lead by example. • Should include concrete and others, don't limit to compost. • Should include supporting regulation for the purpose of incrementally increasing the amount of recycled material, based on a percentage.
ID113	• How effective can Metro Vancouver be with this given the broad market. • Should be more focus on education. • This is beyond the scope of Metro Vancouver's responsibility. But should focus on advocacy. • Should focus more on regulation. e.g. a minimum percentage recycled content • Advocate senior government for supporting regulation. • Be realistic – Metro Vancouver is only one player.

Strategy: **4.2** Enhance EPR programs

Fist of 5

Action ID	Total Score
ID117	19/25
ID119	13/25
ID120	20/25
ID121	23/25

Discussion

Action ID and brief description	Comments / Feedback
ID119	• It's challenging. • Only worthwhile if there is market demand. • Should focus on alternatives to foam and plastic packing materials instead. e.g. shredded cardboard
ID120	• An inherent problem with EPR programs is that they are too downstream.
ID125	• Worthwhile to ensure these materials stay out of municipal solid waste.

Round 2

Number of Participants: 4

Strategy: 4.3 Encourage the development of new recycling infrastructure

Fist of 5

Action ID	Total Score
ID044	10/20
ID122	17/20
ID123	18/20
ID124	14/20

Discussion

Action ID and brief description	Comments / Feedback
ID044	• New industry needs support to catch up to existing established industries. • Need to strengthen definition of recycling. • Not an issue of government funding, issue of establishing the right priorities. i.e. where money is being spent is the issue • Need government funding to support the private sector's advertising and promotion of their initiatives. i.e. shift existing government funding to private sector • Should not rely on government funding. • This is a low priority.
ID123	• Should consider zoning and permitting.

Strategy: 4.8 Prevent litter and illegal dumping through public space recycling initiatives

Fist of 5

Action ID	Total Score
ID174	17/20
ID175	19/20
ID176	10/20
ID177	3/20
ID178	14/20

Discussion

Action ID and brief description	Comments / Feedback
ID175	• Don't include waste collection in these events. • "Significantly increase" • Based on performance metrics. • Continuous improvement. • "Explore" is vague, can this be more specific and actionable. • Missing actions: household hazardous waste and bulky items pickup days.
ID176	• What does "support" mean? e.g. funding? • Ineffective. • Too back end, need to focus on upstream.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, November 4, 2025
2:30 pm – 4:30 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 November 4, 2025 Meeting Agenda — 2:35 – 2:40 pm

2. MINUTES

2.1 September 9, 2025 Meeting Minutes — 2:40 – 2:45 pm
2.2 October 7, 2025 Meeting Notes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 SWMP: Metrics and Targets — 2:45 – 3:40 pm
For plenary discussion – primary metrics and targets
For small group discussion – secondary metrics
Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 2026 IAC Draft Work Plan Development — 3:40 – 4:10 pm
For input/feedback – Plenary discussion
Designated Speaker: Lori Bryan
What are some potential topics the committee could focus on in 2026?

4. OTHER BUSINESS — 4:10 – 4:20 pm

4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 IAC 2026 Draft Meeting Dates

5. INFORMATION ITEMS

5.1 Regional Waste Flows — 4:20 – 4:25 pm
5.2 2025 IAC Work Plan
5.3 Greenhouse Gas Emissions from Disposal*

5.4 Solid Waste Management Plan - Options Analysis Update (November 6, 2025 Zero Waste Committee report)
5.5 Disposal Cost Comparison Details (October Manager's Report excerpt)
5.6 Solid Waste Management Plan Update Draft Recycling and Waste Centre Strategic Approach
5.7 Solid Waste Management Plan Update Draft Regulatory Strategic Approach

**Previously included in October agenda.*

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Janzen, Tessa – Recycle BC
Johnson, Gord – Northstar
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
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Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael - Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held in person at Metro Vancouver Headquarters from 2:30 p.m. to 4:30 p.m. on Tuesday, November 4, 2025.

MEMBERS PRESENT:

Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
Johnson, Gord – Northstar
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Van Beusekom, Brent – Product Care Association
Vargas, Pinky – Republic Services
Zarbl, Michael – Major Appliance Recycling Roundtable

MEMBERS ABSENT:

Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel
Kiani, Aiden – Lock-Block Ltd
Lannin, Mike – Super Save Group
JansenVandoorn, Josh – Anaconda Systems
Janzen, Tessa – Recycle BC
Johnston, Kurt – CleanStart Property Services
Mac Neil, Patrick – Wescan Disposal Ltd. Canada Corp.
Stefenelli, Nicole – Urban Impact Recycling Ltd.

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:
Brooke Atkinson, Senior Engagement Specialist, Metro Vancouver
Terry Fulton, Senior Project Engineer, Metro Vancouver
Vanessa Halten, Program Manager, Metro Vancouver
Paul Henderson, General Manager, Metro Vancouver
Samantha Joy, Engagement Specialist, Metro Vancouver
Allen Jensen, Senior Project Engineer, Metro Vancouver
Stephanie Liu, Manager, Community Engagement, Metro Vancouver
Zeenia Mizan, Program Assistant, Metro Vancouver
Karen Storry, Senior Project Engineer, Metro Vancouver
Chris Underwood, Division Manger SW Planning, Metro Vancouver
Nanette van Doon, Communications Coordinator, Metro Vancouver

GUESTS:
Veronika Bylicki, Panel Member
Komal Fatima, Panel Member
Andrea Reimer, Panel Member

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, November 4, 2025
2:30 p.m. to 4:30 p.m.
Zoom Teleconference

A G E N D A

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- **1.1 November 4, 2025 Meeting Agenda**

2. MINUTES
- **2.1 September 9, 2025 Meeting Minutes**
- **2.2 October 7, 2025 Meeting Minutes**

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 SWMP: Metrics and Targets
For plenary discussion – primary metrics and targets
For small group discussion – secondary metrics
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 2026 Industry Advisory Committee Draft Work Plan Development
For input/feedback – plenary discussion
Designated speaker: Lori Bryan
What are some potential topics the committee could focus on in 2026?

4. **OTHER BUSINESS**

4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 IAC 2026 Draft Meeting Dates

5. INFORMATION ITEMS
- **5.1 Regional Waste Flows**
- **5.2 2025 IAC Work Plan**
- **5.3 Greenhouse Gas Emissions from Disposal***
- **5.4 Solid Waste Management Plan – Options Analysis Update (November 6, 2025 Zero Waste Committee Report)**
- **5.5 Disposal Cost Comparison Details (October Manager's Report excerpt)**
- **5.6 *Solid Waste Management Plan Update Draft Recycling and Waste Centre Strategic Approach***
- **5.7 *Solid Waste Management Plan Update Draft Regulatory Strategic Approach***

MEETING MINUTES

Co-Chair Craig Hodge, called the meeting to order at 2:32 p.m. and welcomed at endees to the Solid Waste and Recycling Industry Advisory Commit ee meeting. Members were reminded that the meeting was being livestreamed and recorded and will be posted to the Industry Advisory Commit ee webpage.

It was noted that there were four members from the Consultation Engagement Panel in at endance: Komal Fatima, Veronika Byliciki, Andrea Reimer, and Peter Fassbender. The intention behind the Consultation and Engagement Panel is to provide advice to Metro Vancouver staff on engagement practices for the solid waste management plan update and to help ensure transparent engagement and reporting of feedback.

1. AGENDA

1.1 November 4, 2025, Meeting Agenda

Co-Chair Hodge reviewed the November 4, 2025, meeting agenda. No additions were made.

2. MINUTES

2.1 September 9, 2025, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the September 9, 2025, Industry Advisory Committee meeting. No additions or changes were made.

2.2 October 7, 2025, Meeting Minutes

Co-Chair Hodge noted that the in-person meeting held on October 7, 2025 meeting was treated as a workshop because quorum was not reached. Highlights from the discussion were included in the agenda as workshop notes and not as official meeting minutes.

Co-Chair Hodge invited members to share related questions and/or comments. The following questions and comments (Q/C) and *responses* (*R*) were captured:

Q/C: Were there any agenda items that need to be carried forward to a future meeting?

R: An information item related to greenhouse gas emissions and the adoption of the September 9, 2025, meeting minutes were carried forward to the November 4, 2025, meeting.

Q/C: The summary of reports that was shared in the October 2025 workshop was important information that should be presented to the Industry Advisory Committee. Usual practice when there is no quorum is to cancel or postpone the meeting.

R: The two agenda items that were discussed at the October meeting were about potential actions for recovery and actions that were considered unadvisable by staff. The presentation portion of these agenda items was included in the October agenda package, and Industry Advisory Committee members are encouraged to refer to those materials and provide feedback to Metro Vancouver staff.

Q/C: The targets presented in the November agenda package are unrealistic and should not be made public. Members want an achievable plan where metrics are not illusory.

Q/C: Recycling and tipping fees continue to rise. Cost effectiveness should be embedded into the plan.

Q/C: This plan needs to be understandable and achievable. Focusing on four to five goals is a better strategy, rather than including too many goals and not being able to meet any of them.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 SWMP: Metrics and Targets

Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, shared a presentation titled "Selecting Targets and Metrics for an Updated Plan." Highlights included:

- Explanation of how strategies and actions were used to inform draft metrics and targets
- How the performance metrics review study informed development of draft metrics and targets
- Overview of draft primary metrics and targets
- Overview of example secondary metrics and the importance of using both primary and secondary to offer a suite of metrics to gauge progress

Paul Henderson, General Manager, Metro Vancouver, noted that there is an overarching lens of affordability that applies to all of Metro Vancouver's work. The affordability lens will be considered with respect to all aspects of the plan implementation and the draft plan will reflect this.

Plenary discussion ensued, and the following questions and comments (Q/C) and *responses* (*R*) were captured:

Q/C: A recommendation to be accountable and transparent. Construction and demolition waste should be considered separately from residential and commercial waste when calculating diversion rates. There should also be separate targets. The targets being set could reflect how well the program is performing – focus should be placed on source-separated recyclables and organics, rather than recovery (especially energy recovery).

R: Individual targets will be considered once there is an overarching target.

Q/C: There is a high possibility of skewing numbers if construction and demolition are not in their own sector.

R: Metro Vancouver is tracking and reporting by sector.

Q/C: What scientific justification led to the determined targets and metrics?

R: Various considerations included waste composition studies, current data from annual reports, and the draft strategies and actions (i.e. what targets could be achieved if the draft actions were implemented). Waste composition studies are available on the Metro Vancouver website

Q/C: There does not seem to be any scientific justification based on the information shared.

R: Metro Vancouver can share high level calculations and how the targets relate to the materials in question.

Q/C: There is not much value left in the recycling stream beyond metals and concrete. There is little value in wood waste and plastics – a very low percentage is recyclable, and it is down-cycled. Trying to divert those materials to reach our goals is unrealistic if the materials do not have value.

Q/C: Only 7-10% of plastics are currently recyclable, and more production of plastics will take place over the next 25 years. There is currently no effective way to turn these plastics into anything.

Q/C: Disposal capacity analysis should be a key element of the plan.

Terry Fulton stated that secondary metrics are a suite of metrics that provide additional context beyond high-level targets, helping to demonstrate progress in specific areas. An image of the waste hierarchy was shared. Within each goal, examples of secondary metrics were noted.

The Industry Advisory Committee was invited to join breakout rooms to further discuss the suggested secondary metrics and to identify new ones for consideration.

Members were asked to select a discussion room and focus on secondary metrics for the following levels of the hierarchy:

- Rethink/Reduce
- Reuse/Recycle
- Recover/Dispose

The Industry Advisory Committee moved into small group discussions at 3:21 p.m. and reconvened at 3:41 p.m.

Members were encouraged to share feedback on the discussions, and the following comments were offered:

- There are many goals embedded into the plan, with no consideration of costs
- Metro Vancouver is committed to spending millions of dollars on projects, and tipping fees are set to be increased
- There seems to be no consideration for taxpayers and how this will impact them
- Concrete and asphalt management should not be an element of the plan as very little of these materials originate from single family homes and Metro Vancouver does not license the facilities that process this material.
- There are significant issues with the two primary disposal options (Vancouver Landfill and Ecowaste), and it is unknown whether those facilities will be available long term
- There needs to be contingency planning to identify where materials will be going and the cost.

It was noted that Metro Vancouver staff were in the breakout rooms taking notes, and feedback will be considered as the solid waste management plan is drafted. A summary of the notes from the breakout rooms is attached to these minutes.

3.2 2026 IAC Draft Work Plan Development

Co-Chair Lori Bryan, Waste Management Association of BC, led a review of the 2025 Work Plan topics that were discussed and noted that the following topics were not addressed in 2025:

- Public education – role of public and private entities
- Soil management
- Source reduction incentive program
- Vancouver landfill/long-term disposal planning options.

Members suggested the following topics could be included in the 2026 Work Plan:

- The two topics that were discussed in the October 7, 2025, meeting:
  - Actions related to recovery of materials and energy from non-recyclable materials
  - Actions considered unadvisable by Metro Vancouver staff
- Infrastructure over the next 15 years
- Utilizing Metro Vancouver's infrastructure to maximize benefit.

Paul Henderson noted that a key action for discussion will be the updated solid waste management plan.

The Industry Advisory Committee were advised that a draft Work Plan will be presented discussed in January 2026. Members will vote on the Work Plan in early 2026.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson shared a presentation titled, "Zero Waste Committee and Other Updates," and highlighted:

- The next Zero Waste Committee meeting is scheduled for Thursday, November 6, 2025
- The 2026 tipping and recycling fees have been approved
- Report on waste reduction and recycling – materials collected and investments:
  - Described recycling activities are taking place at the recycling and waste centres
  - 88,000 tonnes which goes to recycling from Metro Vancouver solid waste facilities
  - Clean wood goes to recovery as an alternative fuel
  - Total annual investment is approximately $25 million
- Funding was provided for the Coffee Cup Revolution, which recovered 213,841 cups
- Options Analysis update report is included in the Information Items and refers to feedback specifically from the Industry Advisory Committee
- Metro Vancouver is hosting a Record Keeping and Tipping Fee Bylaw webinar in January 2026

The following questions and comments (Q/C) and *responses* (*R*) were captured after the report-out:

Q/C: Member asked what happened to the coffee cups from the Binners event once they were recovered?

R: *The cups were sent to the Waste-to-Energy Facility due to the number of coffee cups collected. There have been ongoing efforts to identify recycling opportunities for coffee cups, without success so far.*

4.2 IAC 2026 Draft Meeting Dates

Samantha Joy, Engagement Specialist, Metro Vancouver, shared the proposed 2026 meeting schedule. It was noted that the invitations for the January 2026 and February 2026 meetings will be sent soon.

Co-Chair Hodge advised that Industry Advisory Committee Membership submissions will take place in early February 2026. As stated in the committee Terms of Reference, existing members must resubmit their interest if they wish to continue serving on the Industry Advisory Committee.

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 2025 IAC Work Plan

5.3 Greenhouse Gas Emissions from Disposal

5.4 Solid Waste Management Plan - Options Analysis Update (November 6, 2025 Zero Waste Committee report)

5.5 Disposal Cost Comparison Details (October Manager's Report excerpt)

5.6 Solid Waste Management Plan Update Draft Recycling and Waste Centre Strategic Approach

5.7 Solid Waste Management Plan Update Draft Regulatory Strategic Approach

Regarding Item 5.5, Disposal Cost Comparison Detail, a suggestion was made to keep transfer costs separate from the incinerator costs to support transparency. Paul Henderson advised that information is presented in a specific way in the tables, and a conclusion will also be provided.

6. ADJOURNMENT

It was noted that the next meeting was scheduled for January 13, 2026. Industry Advisory Committee members were thanked for their contributions and feedback for the year.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 4:13 p.m.

Solid Waste and Recycling Industry Advisory Committee
Key Topic Discussion Feedback Summary – November 4, 2025

At the November 4, 2025, Solid Waste and Recycling Industry Advisory Committee meeting, committee members provided feedback on proposed metrics and targets for the updated solid waste management plan. There was a plenary discussion on primary metrics and targets. Following this, members were given the choice of joining small groups on secondary metrics related to Rethink/Reuse, Reduce/Recycle, and Recover/Dispose groups. Members participated in the Reduce/Recycle and Recover/Dispose groups only. A summary of feedback received is presented below and will be included as an attachment to the November 4, 2025 meeting minutes.

Discussion Topic	Feedback

Potential metrics and targets for the solid waste management plan	**Transparency and clarity**
	• Metrics need detailed breakdowns to enable informed discussion and evaluation.
	• One-sentence summaries are insufficient; targets must be clearly calculated and justified.
	
	Recycling rates and data integrity
	• Inaccurate numbers can mislead the public and impact realistic planning.
	  o Current reported recycling rates are inaccurate; suggestion that actual rates are lower (closer to 30%).
	• Concrete and asphalt skew recycling stats and should be excluded from municipal solid waste recycling rates.
	• C&D waste should be tracked separately from industrial, commercial, and institutional (e.g. hospital) and residential municipal waste with individual targets.
	• Recovery (especially energy recovery) should not be included in diversion targets.
	• Recycling metrics – more information needed:
	  o How much recyclable material is used to produce new items?
	  o Are current recycling collection systems effectively reducing plastic production?
	
	Climate considerations
	• Public awareness of climate and GHG issues has evolved.
	• Shipping waste outside the region increases emissions and costs.
	• Limited local disposal capacity exacerbates environmental and financial impacts.

	Scope
	• The current plan is too complex. Simplify to 4–5 clear, achievable goals.
	• Conditional support for secondary metrics:
	  o Need clarity and transparency in metric definitions and calculations.
	  o Reuse metrics (e.g., food rescue) need clearer definitions—human use vs. animal feed.
	  o Waste-to-Energy should be classified as "Dispose" if purpose-built, "Recover" if used as fuel substitute.
	• Suggested secondary metrics lack transparency. Cost transparency is essential (e.g. where do tipping fee revenues go?). Metrics should reflect realistic, cost-effective outcomes.
	• Waste composition studies should inform targets. Show clearly how targets relate to waste composition and key actions.
	
	Cost and infrastructure concerns
	• Tipping fees and C&D disposal costs have risen sharply
	• Vancouver Landfill and Ecowaste capacity are uncertain in the long-term.
	• Organics processing capacity has declined over the past decade.
	• Affordability and property tax implications must be considered.

Additional comments	**Feedback**

	Future engagement
	• More committee discussions are needed to refine goals and strategies:
	  o Focus should remain on materials and sectors within regulatory control.
	  o Emphasis should be on source-separated recyclables and organics, not recovery.
	  o Realistic goals must reflect material value and market viability (e.g., wood and plastics have low/no value).
	  o Cost transparency across disposal options should be included in presentations to IAC.

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
Johnson, Gord – Narthstar
Kaminski, Jamie – HSR Zero Waste
MacFarlane, Angus – Growing City
McRae, Ralph – Revolution Infrastructure Inc.
Mallari, Achilles – Sierra Waste Services Ltd.
Millman, David – Waste Management of Canada Corporation
Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery+
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp, Return it
Skei, Dayton – EverGen Infrastructure Corp.
Skoropada, Lorne – Ridge Meadows Recycling Society
Van Beusekom, Brent – Product Care Association
Vargas, Pinky – Republic Services
Zarbl, Michael – Major Appliance Recycling Roundtable

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, January 13, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 January 13, 2026 Meeting Agenda — 2:00 – 2:05 pm

2. MINUTES

2.1 November 4, 2025 Meeting Minutes — 2:05 – 2:10 pm

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 2024 Solid Waste and Recycling Statistics and Biennial Report — 2:10 – 2:25 pm
For information and Q&A
Designated speaker: Kelly Du, Project Engineer, Solid Waste Services

3.2 Next Steps for Draft Plan – Special meeting — 2:25 – 2:40 pm
For information and Q&A
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.3 2026 IAC Draft Work Plan Development — 2:40 – 3:00 pm
For discussion
Designated speaker: Paul Henederson, General Manager, Solid Waste Services and Lori Bryan, IAC Co-Chair

4. VOTING ITEM

4.1 Terms of Reference – Proposed Amendments — 3:00 – 3:20 pm
For discussion
Designated speaker: Paul Henederson, General Manager, Solid Waste Services and Lori Bryan, IAC Co-Chair

5. OTHER BUSINESS

5.1 Zero Waste Committee and Other Updates — 3:20 – 3:30 pm
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5.2 2026 IAC Member Submissions 3:30 – 3:40 pm

For information

Designated speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

6. INFORMATION ITEMS 3:40 – 3:45 pm

6.1 Regional Waste Flows

6.2 2026 IAC Meeting Dates

6.3 Residual Waste Management Options Review (link)

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Janzen, Tessa – Recycle BC
Johnson, Gord – Northstar
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
Punja, Rustam – Geocycle Canada Inc.
Prasad, Shad – Cascade Recovery +
Skei, Dayton – Evergen Infrastructure Corp.
Skoropada, Lorne – Ridge Meadows Recycling Society
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Van Beusekom, Brent – product Care Association
Vargas, Pinky - Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael - Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held virtually at 2:00 p.m. on Tuesday, January 13, 2026.

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Abrams, Izzie – Waste Connections of Canada
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Hankins, Grant – Canada Minibins.com Ltd.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
MacFarlane, Angus – Growing City
MacNeil, Patrick – Wescan Disposal Ltd.
Mallari, Achilles – Sierra Waste Services Ltd.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Punja, Rustam – Geocycle Canada Inc.
Skei, Dayton – Evergen Infrastructure Corp.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Vargas, Pinky - Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael - Major Appliance Recycling Roundtable

MEMBERS ABSENT:

Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Agassiz, Sam – West Coast Reduction Ltd.
Furtado, Glen – Cement Association of Canada
Janzen, Tessa – Recycle BC
Jansen Vandoorn, Josh – Anaconda Systems Ltd.
Johnston, Kurt – CleanStart Property Services
Kawakami, Sean – Convertus Canada Ltd.
McRae, Ralph D. – Revolution Infrastructure Inc.
Skoropada, Lorne – Ridge Meadows Recycling Society
Van Beusekom, Brent – Product Care Association

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:
Kelly Du, Project Engineer, Solid Waste Services, Metro Vancouver
Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, Metro Vancouver
Chris Underwood, Division Manager, Solid Waste Services, Metro Vancouver
Terry Fulton, Senior Project Engineer, Metro Vancouver
Paul Henderson, General Manager, Metro Vancouver
Samantha Joy, Engagement Specialist, Metro Vancouver
Zeenia Mizan – Program Assistant, Metro Vancouver

GUESTS:
Komal Fatima, Consultation and Engagement Panel Member
Andrea Reimer, Consultation and Engagement Panel Member

PREPARATION OF MINUTES: Jasmine Claypool, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, January 13, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 January 13, 2026 Meeting Agenda

2. MINUTES

2.1 November 4, 2025 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 2024 Solid Waste and Recycling Statistics and Biennial Report
For information and Q&A
Designated speaker: Kelly Du, Project Engineer, Solid Waste Services

3.2 Next Steps for Draft Plan – Special Meeting
For information and Q&A
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.3 2026 IAC Draft Work Plan Development
For discussion
Designated speaker: Paul Henderson, General Manager, Solid Waste Services and Lori Bryan, IAC Co-Chair

***4.* VOTING ITEM**

4.1 Terms of Reference – Proposed Amendments
For discussion
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services and Lori Bryan, IAC Co-Chair

5. OTHER BUSINESS

5.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5.2 2026 IAC Member Submissions

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For information
Designated speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

6. INFORMATION ITEMS

6.1 Regional Waste Flows

6.2 2026 IAC Meeting Dates

6.3 Residual Waste Management Options Review (link)

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Co-Chair Lori Bryan, called the meeting to order at 2:03 pm and welcomed at endees to the Solid Waste and Recycling Industry Advisory Commit ee meeting, noting the at endance of Solid Waste Management Plan Independent Consultation and Engagement Panel Members Komal Fatima and Andrea Reimer. General housekeeping reminders were provided, including that the meeting was being live-streamed and would be posted to the Industry Advisory Commit ee webpage.

1. AGENDA

1.1 January 13, 2026, Meeting Agenda

Co-Chair Bryan reviewed the January 13, 2026, meeting agenda. No additions were made.

2. MINUTES

2.1 November 4, 2025, Meeting Minutes

Co-Chair Bryan called for any additions or changes to the Minutes of the November 4, 2025, Industry Advisory Committee meeting. No additions or changes were made.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 2024 Solid Waste and Recycling Statistics and Biennial Report

Kelly Du, Project Engineer, Solid Waste Services, Metro Vancouver, provided a self-introduction and referred to slides #5-17, related to "2024 Solid Waste and Recycling Statistics". Highlights included:

- An updated performance and monitoring approach:
  - Terminology has been refined to differentiate between "recycling rate" which includes only recycled materials whereas "diversion rate" reflects both recycled and recovered materials. Statistics from 2023 and prior used "recycling rate" to describe what is now considered "diversion rate."
  - Asphalt is reported, but removed from the total recycling calculation
  - Updated concrete numbers based on recent reported recycling values
  - Assumptions for small load waste were updated to align with more recent survey data, showing a higher overall proportion of commercial/institutional to residential small loads than previously assumed
- Diversion rate over time generally shows an upward trend but has plateaued in recent years
- 2024 Summary:
  - Increased recycling and disposal in the commercial sector, which is partly due to updated small loads assumptions
- Recycled and Diverted Materials:
  - Increase in gypsum attributed to stockpiled materials
  - Decrease in wood correlated with lower housing starts and market challenges
- Aim to continue to improve methodology in 2026, will explore possibility of having a third party perform checks on concrete reported values.

Paul Henderson, General Manager, Metro Vancouver, advised that asphalt was historically reported in the recycling totals but has been removed because it mostly comes from street projects. The increase in the concrete number reflects a change in methodology from prior years, where concrete was set at 2021 levels due to uncertainty, and is now updated to report actual numbers. Reused materials, such as wood used as an alternative to fossil fuels, were included in diversion numbers rather than the recycling numbers.

During ensuing discussion, the following questions and comments (Q/C) and *responses (R)* were captured:

Q/C: What type of data is being received related to "unlicensed private facilities"?

R: These are the facilities processing concrete and asphalt. They are exempt from licensing under Bylaw 181. Licensed private facilities under "Garbage" refer to those managing construction/demolition waste.

Q/C: Suggestion that "Unlicensed Private Facilities" be relabeled to "Concrete and Asphalt Processing Facilities".

ACTION (01): Staff will update the chart on slide #8 of the presentation. "Unlicensed Private Facilities" is now labelled "Reported Concrete"

3.2 Next Steps for Draft Plan – January 28, 2026, meeting added to the schedule

Samantha Joy, Engagement Specialist, Metro Vancouver, reminded the meeting that presentation slides are available on the Industry Advisory Committee webpage.

ACTION (02): Metro Vancouver will include the presentation slides in the agenda package going forward.

Terry Fulton, Senior Project Engineer, Solid Waste Services, referred to slides titled, "Plan Timeline", and "Remaining Steps to Finalize the Plan", highlighting the draft solid waste management plan is under development, encompassing the feedback heard through all phases of engagement. The intent is for the initial draft plan to be made available online on January 22 and presented to advisory committees and other parties in the coming weeks. The Industry Advisory Committee will receive a presentation on the initial draft plan during the January 28, 2026, meeting and a second opportunity to discuss the initial draft in greater detail at the meeting on February 10. Feedback on the initial draft plan is welcome to February 20. Comments will also be welcome on the subsequent revised draft plan prior to submission to the Minister of Environment and Parks.

3.3 2026 IAC Draft Work Plan Development

Samantha Joy referred to slides (#22 - #28) related to, "IAC 2026 Work Plan Development", noting that a Draft Workplan was included in the Agenda, with opportunity to discuss

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additions/changes. While additional workplan topics may arise, the Draft Workplan represents the key topics for the year.

Co-Chair Bryan invited discussion on the following questions:

- Does this list represent the topics the committee is interested in focusing on in 2026?
- Is there anything missing or that could be removed?

During ensuing discussion, the following questions and comments (Q/C) and *responses (R)* were captured:

Q/C: Regarding the Quarter 2 Workplan – Key Topics and Priorities, are the topics for discussion to be reviewed again?

R: It is divided into quarters; these are things that we would likely be talking about in the April, May, and June 2026 meetings.

Q/C: Confirming that the draft solid waste management plan is being sent to the Zero Waste Committee in February?

R: The initial draft solid waste management plan will be reviewed in Quarter 1. A revised draft will then be provided to the Zero Waste Committee and Board. Following the Board meeting there will be an additional comment period on the revised draft plan. The revised draft plan, along with all feedback, will then be provided to the Minister. If there are significant updates to the draft plan as a result of feedback following the Board meeting, staff would bring the plan back to the Board for consideration.

Co-Chair Bryan noted that one member had expressed interest in an item being included in the workplan and wanted to confirm that it was. It was also noted that any additions could be emailed to staff or the Co-Chairs. The Workplan would be voted on/adopted at the February 10, 2026 meeting.

4. VOTING ITEM

4.1 Terms of Reference – Proposed Amendments

Co-Chair Bryan noted that a redline version of the proposed amendments to the Industry Advisory Committee Terms of Reference was included in the Agenda package. In response to a suggestion, it was displayed on-screen.

Paul Henderson noted that an addition regarding the absence of both Co-Chairs and the election of a temporary Chair was prompted by the October 2025 meeting, during which Co-Chair Craig Hodge could only attend a portion of the meeting, and Co-Chair Bryan was absent.

Samantha Joy reviewed proposed revisions including general grammar and language edits, inclusion of the implementation of the solid waste management plan as a committee point

of interest, updates to align with Board priorities with regards to in-person meetings and, and clarification that individuals can observe meetings by livestream rather than joining through Zoom.

The quorum requirement was proposed to be revised to apply specifically to meetings with voting items, noting that the October 2025 meeting did not have quorum, but was recorded and proceeded for discussion, without formal meeting minutes.

Paul Henderson noted that the proposed changes to the Terms of Reference require Industry Advisory Committee approval.

During discussion, a member expressed concern with meetings proceeding without quorum, noting that the Industry Advisory Committee's purpose is to provide input without quorum risk the potential for inadequate input and feedback. It was suggested that the revision be removed, in favour of the original clause.

In response, Paul Henderson noted there could be challenges with members attending in-person meetings and offered that continuing a meeting without quorum could still be considered on a case-by-case basis since it potentially benefits the attending members.

It was MOVED and Seconded
That the Metro Vancouver Regional District Solid Waste and Recycling Industry Advisory Committee approve the proposed amendments to the Terms of Reference, except for the changes related to quorum.

CARRIED

Following online voting and tallying, the Motion to accept the proposed updates to the Terms of Reference, except the changed related to quorum was passed. The first motion was not considered.

ACTION (03): Staff will finalize the revised Terms of Reference and post the updated version to the Solid Waste and Recycling Industry Advisory Committee's webpage.

5. OTHER BUSINESS

5.1 Zero Waste Committee and Other Updates

Paul Henderson referred to a slide titled, "Zero Waste Committee Updates", and offered comments regarding the agenda for the meeting scheduled January 15, 2026, items that are on both the Zero Waste Committee Work Plan and that of the Industry Advisory Committee, annual reports available on the website, the Disposal Ban Program, and the reusable coffee cup launch at Metro Vancouver (included in the Manager's Report).

An update regarding nitrous oxide cylinders was provided, noting challenges and work underway to accept all cylinders, including those that may not be fully empty. In December

2025 over 100 cylinders were brought to Metro Vancouver recycling depots. Information has been requested from Health Canada regarding cylinder recalls and the legality of sales.

It was noted that discussions are underway between Metro Vancouver, the City of Vancouver, and the City of Delta regarding the Vancouver Landfill's 1999 agreement and a potential revision of the total tonnage restriction. Additional information will be shared at the conclusion of those discussions.

5.2 2026 IAC Member Submissions

Samantha Joy reported that the submission period for 2026 Industry Advisory Committee applications will be between January 19 and February 15, 2026, noting that current members are required to reapply per the Terms of Reference.

Members were invited to communicate any questions to staff or Co-Chairs. Members were also informed of an upcoming opportunity to present to the Consultation and Engagement Panel on the engagement during the options analysis phase of the solid waste management plan update

ACTION (04): Samantha Joy, Engagement Specialist, Solid Waste Services, Metro Vancouver, to email Solid Waste and Recycling Industry Advisory Committee members links to 1) the 2026 member application and 2) to express interest in presenting to the Consultation and Engagement Panel.

It was noted that the opportunity to apply for committee membership is being encouraged through social media, emails to the Metro Vancouver industry mailing list, and networking.

6. INFORMATION ITEMS

6.1 Regional Waste Flows

6.2 2026 IAC Meeting Dates

6.3 Residual Waste Management Options Review (link)

Co-Chair Bryan noted that the Information Items were included in the agenda, along with a link, and were also available on the webpage.

It was noted that the purpose of the upcoming January 28, 2026, meeting is to receive a walkthrough of the initial draft solid waste management plan and to provide initial feedback. That meeting will be recorded and shared, with members able to access the presentation and connect with Metro Vancouver staff before the February 10, 2026, meeting. There will be a more fulsome opportunity for discussion during the February 10, 2026, meeting.

ADJOURNMENT

Co-Chair Bryan provided closing comments, thanking members for their participation and advised that the next regular Solid Waste and Recycling Industry Advisory Committee meetings would be on January 28, 2026, and February 10.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:55 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Wednesday, January 28, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 January 28, 2026 Meeting Agenda — 2:00 – 2:05 pm

2. REPORTS AND ITEMS FOR DISCUSSION

2.1 Vancouver Landfill Update — 2:05 – 2:30 pm
For information
Designated speaker: Paul Henderson, General Manager, Solid Waste Services

2.2 Solid Waste Management Plan Update – Review of the Initial Draft Plan — 2:30 – 3:30 pm
For information and Q&A
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

- Initial draft solid waste management plan

3. OTHER BUSINESS

3.1 Public Presentations to the Independent Consultation and Engagement Panel – Options Analysis — 3:30 – 3:35 pm
For information
Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

4. INFORMATION ITEMS — 3:35 – 3:40 pm

4.1 2026 IAC Meeting Dates
4.2 Updated IAC Terms of Reference

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Janzen, Tessa – Recycle BC
Johnson, Gord – Northstar
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
Punja, Rustam – Geocycle Canada Inc.
Prasad, Shad – Cascade Recovery +
Skei, Dayton – Evergen Infrastructure Corp.
Skoropada, Lorne – Ridge Meadows Recycling Society
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Van Beusekom, Brent – product Care Association
Vargas, Pinky - Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael - Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held virtually at 2:00 p.m. on Wednesday, January 28, 2026.

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
McRae, Ralph D. – Revolution Infrastructure Inc.
Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
Skei, Dayton – Evergen Infrastructure Corp.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Vargas, Pinky - Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.

MEMBERS ABSENT:

Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
Janzen, Tessa – Recycle BC
Jansen Vandoorn, Josh – Anaconda Systems Ltd.
Johnson, Gord – Northstar
Johnston, Kurt – CleanStart Property Services
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
Millman, David – Waste Management of Canada Corp.
Pantazopoulos, Dimitri – Waste Connections of Canada
Prasad, Shad – Cascade Recovery +
Punja, Rustam – Geocycle Canada Inc.
Skoropada, Lorne – Ridge Meadows Recycling Society
Van Beusekom, Brent – Product Care Association
Zarbl, Michael - Major Appliance Recycling Roundtable

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Allen Jensen, Senior Project Engineer, Solid Waste Services
Chris Allan, Director, Solid Waste Operations
Chris Chong, Multimedia, Metro Vancouver
Chris Underwood, Division Manager, Solid Waste Planning
Paul Henderson, General Manager, Solid Waste Services
Stephanie Lui, Program Manager, Community Engagement, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Services
Zeenia Mizan, Program Assistant, Solid Waste Services

GUESTS:

Veronika Bylicki, Panel Member
Andrea Reimer, Panel Member

PREPARATION OF MINUTES: Megan Krempel, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Wednesday, January 28, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 January 28, 2026 Meeting Agenda

2. REPORTS AND ITEMS FOR DISCUSSION

2.1 Vancouver Landfill Update
For information
Designated speaker: Paul Henderson, General Manager, Solid Waste Services

2.2 Solid Waste Management Plan Update – Review of the Initial Draft Plan
For information and Q&A
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3. OTHER BUSINESS

3.1 Public Presentations to the Independent Consultation and Engagement Panel – Options Analysis
For information
Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

4. INFORMATION ITEMS

4.1 2026 IAC Meeting Dates

4.2 Updated IAC Terms of Reference

Co-Chair Craig Hodge, called the meeting to order at 2:02 p.m. and welcomed at endees to the Solid Waste and Recycling Industry Advisory Commit ee Meeting. The purpose of the meeting was to walk Industry Advisory Commit ee members through the initial draft solid waste management plan, obtain initial feedback from members, and identify areas of the draft plan that require further discussion at the Industry Advisory Commit ee Meeting on February 10, 2026. The draft plan was published on January 22 and is available on the Industry Advisory Commit ee website under the January 28, 2026, Industry Advisory Commit ee meeting header or on the solid waste management plan update page of the Metro Vancouver website.

Housekeeping reminders were provided, including that the meeting was being live-streamed and would be posted to the Industry Advisory Commit ee webpage.

A warm welcome was extended to Andrea Reimer and Veronica Bylicki, members of the Independent Consultation and Engagement Panel, who at ended as observers.

1. AGENDA

1.1 January 28, 2026, Meeting Agenda

Co-Chair Hodge reviewed the January 28, 2026, meeting agenda. The Co-Chair advised that quorum had not been reached; however, Industry Advisory Commit ee members were in agreement that the meeting continue with the information items and no formal business be conducted.

2. REPORTS AND ITEMS FOR DISCUSSION

2.1 Vancouver Landfill Update

Paul Henderson, General Manager, Solid Waste Services, advised that an agreement had been reached with respect to the Vancouver Landfill. Metro Vancouver recently issued a media release announcing the agreement, which would allow the Vancouver Landfill to continue its operations up until approximately 2050 with no change to the previously agreed landfill height and area. There was no indication that the extension of the life of the landfill would have any significant additional environmental impacts.

During ensuing discussion and in response to questions, comments were offered regarding:

- Agreement term defined by the earlier of the following:
  - 2050
  - The landfill filled to a post settlement height of 39 metres

2.2 Solid Waste Management Plan Update – Review of the Initial Draft Plan

Terry Fulton, Senior Project Engineer, Solid Waste Services, reviewed a presentation titled, “Initial Draft Solid Waste Management Plan Walkthrough” and highlighted:

- Draft 2050 targets:
  - 20% reduction in waste generation per capita by 2050

    - 80% diversion and 75% recycling by 2050
    - 50% reduction in disposal per capita by 2050
    - Carbon neutrality by 2050
    - Targets have interim 2040 targets
- Draft plan contains:
    - Secondary metrics related to goals
    - Roles and responsibilities of Metro Vancouver, other levels of government, member jurisdictions, private sector, non-profit, and private residents
    - Strategies and actions:
        - Specific initiatives to achieve plan goals and targets
        - Organized according to waste hierarchy
        - 117 actions - many revised and consolidated for clarity from the initial list of 200 action options
        - New items include member jurisdiction actions and disposal actions
- Reflection of circular economy and waste prevention in the plan
- Alignment and linkages between the solid waste management plan and other Metro Vancouver strategic plans, such as the Clean Air Plan and Metro 2050
- Member actions intended as potential areas of focus for member jurisdictions to consider, but are not requirements
- Regulatory strategic approach, including examples of future regulation
- Recycling and waste centre strategic approach including drive time analysis:
    - Map of drive time to regional facilities and potential areas for future facility development
- Residual management strategic approach, including residual management options technical criteria
- Education and outreach:
    - Plan emphasis on the value of behavioural change campaigns
- Accessibility and inclusion section reflecting feedback from engagement
- Financial overview:
    - Affordability guides all actions in the draft plan
    - Prioritizing of actions with the highest potential to advance progress toward plan targets
- A plan monitoring committee will provide feedback on plan progress
- Glossary of definitions for solid waste terms based on existing provincial or industry definitions (where available)
- Appendices:
    - Dispute resolution process
    - 2026-2030 Solid Waste Operating and Capital Plans
- Next steps:
    - Additional discussion at the Industry Advisory Commit ee Meeting scheduled February 10, 2026
    - Deadline for feedback on the initial draft plan is February 20, 2026

- Revised draft to the Zero Waste Committee and Greater Vancouver Sewerage and Drainage District (GVS&DD) Board
- Additional opportunity to provide comment on the revised draft prior to submission to the Minister of Environment and Parks for review and approval.

Industry Advisory Commit ee members were asked to provide initial thoughts on the initial draft solid waste management plan and identify areas that might require further review. Comments were offered regarding:

- Targets and metrics for the plan not ambitious enough
- Plan scope and planning horizon should be more detailed
- Financial planning and feasibility of the plan actions needs to be included in the plan
- Requests for further clarification or strengthening of certain actions
- General feedback related to infrastructure, hauler and industry licensing, and interdependencies of the solid waste management plan with other regional, provincial, and federal plans

A separate feedback summary of comments received is attached to the minutes and will be considered in developing the revised draft solid waste management plan.

In response to a question on the current height of the Vancouver Landfill, it was confirmed that the agreement would allow for the landfill to be filled to the previously agreed upon height of 39 m and within the previously agreed-upon footprint. The actual height of the landfill varies depending on settlement and how recently garbage was put into the area being filled. The Vancouver Landfill is owned by the City of Vancouver, and it conducts surveys of the landfill; Metro Vancouver does not.

Action: Metro Vancouver staff will request more information from the City of Vancouver on specifics of the Vancouver Landfill height and footprint and report back to the Industry Advisory Commit ee.

Co-Chair Hodge thanked Industry Advisory Commit ee members for their input and looked forward to further discussion on the initial draft solid waste management plan at the Industry Advisory Commit ee's meeting on February 10, 2026.

3. OTHER BUSINESS

3.1 Public Presentations to the Independent Consultation and Engagement Panel – Options Analysis

Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, advised of:

- An opportunity for any member of the public to present to the Independent Consultation and Engagement Panel on February 11, 2026, from 1:00 p.m. – 3:00 p.m., to provide feedback on the solid waste management plan engagement process:
  - The session will be livestreamed and recorded
  - Information can be found on the solid waste management plan webpage.

- The February 20, 2026 deadline for submission of interest for members wishing to continue participating on the Industry Advisory Commit ee.

4. INFORMATION ITEMS

4.1 2026 IAC Meeting Dates

4.2 Updated IAC Terms of Reference

Co-Chair Hodge referred to the documents provided and welcomed any questions or comments. No additional comments were put forward.

ADJOURNMENT

Co-Chair Hodge thanked members for their participation. The next regular Solid Waste and Recycling Industry Advisory Committee meeting would be held on February 10, 2026, and would include an in-depth discussion on the initial draft solid waste management plan.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:03 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, February 10, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 February 10, 2026 Meeting Agenda — 2:00 – 2:05 pm

2. MINUTES

2.1 January 13, 2026 Meeting Minutes — 2:05 – 2:10 pm

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Initial Draft Solid Waste Management Plan – Feedback Session — 2:10 – 3:30 pm
Small groups and plenary
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

4. VOTING ITEM

4.1 IAC 2026 Work Plan — 3:30 – 3:40 pm
Committee voting item
Designated speaker: Director Hodge, Industry Advisory Committee Co-Chair

5. OTHER BUSINESS

5.1 Zero Waste Committee and Other Updates — 3:40 – 3:50 pm
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

6. INFORMATION ITEMS — 3:50 – 4:00 pm

6.1 Vancouver Landfill Cross Section Fill Heights
6.2 Regional Waste Flows

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.
Bryan, Lori – Waste Management Association of BC
Collins, James – Tymac Launch Service Ltd.
Crawford, Jeremy – Waste Control Services
Furtado, Glen – Cement Association of Canada
Hankins, Grant – Canada Minibins.com Ltd.
JansenVandoorn, Josh – Anaconda Systems Ltd.
Janzen, Tessa – Recycle BC
Johnson, Gord – Northstar
Johnston, Kurt – CleanStart Property Services
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
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Sigmund, Sandy – Encorp Pacific Canada, Return-It
Van Beusekom, Brent – product Care Association
Vargas, Pinky - Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael - Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held virtually at 2:00 p.m. on Wednesday, February 10, 2026.

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Hodge, Craig, Director, Zero Waste Committee (Co-Chair)
Abrams, Izzie – Waste Connections of Canada
Collins, James – Tymac Launch Service Ltd.
Hankins, Grant – Canada Minibins.com Ltd.
Janzen, Tessa – Recycle BC
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Lannin, Mike – Super Save Group
MacNeil, Patrick – Wescan Disposal Ltd.
McRae, Ralph D. – Revolution Infrastructure Inc.
Mallari, Achilles – Sierra Waste Services Ltd.
Millman, David – Waste Management of Canada Corp.
Moucachen, Maya – Merlin Plastics
Muir, Wesley – Veolia North America (Canada)
Pantazopoulos, Dimitri – Waste Connections of Canada
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Sigmund, Sandy – Encorp Pacific Canada, Return-It
Vargas, Pinky - Republic Services
Van Beusekom, Brent – Product Care Association
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Zarbl, Michael – Major Appliance Recycling Roundtable

MEMBERS ABSENT:

Agassiz, Sam – West Coast Reduction Ltd.
Crawford, Jeremy – Waste Control Services
Furtado, Glen – Cement Association of Canada
Jansen Vandoorn, Josh – Anaconda Systems Ltd.
Johnston, Kurt – CleanStart Property Services
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
MacFarlane, Angus – Growing City
Skoropada, Lorne – Ridge Meadows Recycling Society

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Allen Jensen, Senior Project Engineer, Solid Waste Services
Chris Allan, Director, Solid Waste Operations
Chris Chong, Multimedia Specialist, ERL
Joanne Gauci, Senior Policy Advisor, Solid Waste Services
Karen Storry, Senior Project Engineer, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Stephanie Lui, Program Manager, Community Engagement, Solid Waste Services
Terry Fulton, Senior Project Engineer, Solid Waste Services
Vanessa Hatten, Engagement Specialist, Solid Waste Services
Zeenia Mizan, Program Assistant, Solid Waste Services

GUESTS:

Celena Benndorf, Panel Member
Ryan Willams, Panel Member

PREPARATION OF MINUTES: Christine McLenan, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Wednesday, February 10, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA
1.1 February 10, 2026 Meeting Agenda

2. MINUTES
2.1 January 13, 2026 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION
3.1 Initial Draft Solid Waste Management Plan – Feedback Session
Small groups and plenary
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

4. VOTING ITEM
4.1 IAC W2026 Work Plan
Committee Voting Item
Designated Speaker: Director Hodge, Industry Advisory Committee Co-Chair

5. OTHER BUSINESS
5.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

6. INFORMATION ITEMS
6.1 Vancouver Landfill Cross Section Fill Heights
6.2 Regional Waste Flows

Co-Chair Craig Hodge, called the meeting to order at 2:04 p.m. and welcomed at endees to the Solid Waste and Recycling Industry Advisory Commit ee Meeting. The purpose of the meeting was to hear feedback on the initial draft solid waste management plan and to vote on the Industry Advisory Commit ee 2026 Work Plan.

A welcome was extended to Celena Benndorf and Ryan Willams, members of the Independent Consultation and Engagement Panel, who were at ending as observers.

Housekeeping reminders were provided, including that the meeting was being live-streamed and the recording would be posted to the Industry Advisory Commit ee webpage.

Members were advised that the meeting would begin by inviting each member to provide individual feedback on the initial draft solid waste management plan. There would then be two rounds of discussion in self-selected breakout rooms focussing on four topics selected from the survey sent out the prior week. An opportunity to provide additional feedback in plenary after the breakout room sessions would be provided.

1. AGENDA

1.1 February 10, 2026, Meeting Agenda

Co-Chair Hodge reviewed the February 10, 2026, meeting agenda and opened the floor for comments or additions.

A question was raised regarding whether the Vancouver Landfill map and cross-section provided in the meeting package was in response to a request for additional information at the last meeting. It was confirmed this topic was an information item and could be discussed later in the agenda.

2. MINUTES

2.1 January 13, 2026, Meeting Minutes

Co-Chair Hodge reviewed the January 13, 2026, meeting minutes, included in meeting package and posted to the Industry Advisory Commit ee web page.

It was noted that the comments on the inaccuracies of the recycling statistics, the cost of meeting the net zero 2050 climate agenda, and the request that information on the landfill be provided, were not included in the minutes.

Co-Chair Hodge affirmed that the minutes would be amended to reflect those comments.

During discussion on the use of an external professional minute-taking company and the accuracy of the meeting minutes, it was confirmed that the meeting minutes are reviewed by

Metro Vancouver staff prior to inclusion in the meeting packages; however Industry Advisory Committee members are also able to review and provide comment.

Co-Chair Hodge noted that the amended minutes would be brought forward to the next meeting.

Action: Metro Vancouver staff will review the recording of the January 13, 2026, Industry Advisory Committee meeting and amend the minutes as noted.

Addendum:
Following the meeting, staff confirmed that the concerns raised regarding missing items in the previous minutes were the result of a misunderstanding. The items referenced by members related to the January 28, 2026 meeting instead of the minutes under review. The applicable minutes are still in development. No revisions to the reviewed minutes are required.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Initial Draft Solid Waste Management Plan – Round-robin session

Industry Advisory Commit ee members were individually invited to provide their feedback on the initial draft solid waste management plan. Comments were offered regarding:

- Plan scope and clarity
- Data, metrics, and targets
- Financial transparency and cost implications
- Disposal capacity and long-term planning
- C&D waste management
- Industry engagement
- Waste-to-Energy Facility and recycling and waste infrastructure

A separate feedback summary of comments received is attached to the minutes (Attachment 1) and will be considered in developing the revised draft solid waste management plan.

Terry Fulton, Senior Project Engineer, Solid Waste Services, reviewed a slide titled, "Initial Draft Solid Waste Management Plan", and gave an overview of the development of the plan and proposed topics of discussion for the breakout groups, highlighting:

- Development of the plan over several years of engagement including the vision and guiding principles, idea generation, and options analysis.
- An overview of the plan structure including six goals associated with the waste hierarchy: Rethink, Reduce, Reuse, Recycle, Recover, Dispose
  - 30 strategies and 117 actions organized under the six goals
- Breakout room topic options:
  - Targets and the associated metrics that will be used to track progress of the plan
  - Regulatory strategy that outlines priorities and examples related to future regulation

- Recycling and waste centre strategy which contains priorities for further developing the system of recycling and waste centres, drive times analysis, and best practices for facility upgrades
- Residual management which includes current approaches and technical considerations should further capacity be needed.

Samantha Joy, Engagement Specialist, Solid Waste Services, reviewed a slide title, "Select your Breakout Room." Breakout rooms were determined by topic and members were to select and rotate through the topics they are interested in. Two Metro Vancouver staff would be in each session to take notes and answer questions. Two rounds of the small group discussions would be held.

Prior to the meeting, Metro Vancouver polled members to identify priority parts of the plan for small group discussion. Final small group topics were:

- Targets and Metrics
- Regulatory Strategy
- Residual Waste Management Strategy
- Recycling and Waste Centre Strategy

The meeting transitioned into breakout sessions at 3:00 p.m. and reconvened in plenary at 3:33 p.m.

No comments were provided to the invitation for members to share takeaways from the breakout session discussions.

Samantha Joy advised that a summary of the feedback taken by the notetakers in each breakout session would be circulated in draft to the Industry Advisory Committee and kept as recorded feedback toward the draft plan.

The small group feedback summary is also attached to the meeting minutes (Attachment 1).

Terry Fulton advised that a revised draft plan would be provided to the Zero Waste Committee, showing the changes from the version discussed today.

Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, outlined the next steps in the process for feedback options:

- Comments are open until February 20, 2026, via email, online discussion board or meeting by request
- Presentation of the revised draft to the Zero Waste Committee and GVS&DD Board
- Additional opportunity to provide comments on the revised draft after presentation to the Zero Waste Committee and Greater Vancouver Sewerage and Drainage District Board and prior to submission to the Province of British Columbia.

4. VOTING ITEM

4.1 IAC 2026 Work Plan

Co-Chair Hodge provided a brief background on the development of the workplan, , opened the floor for comments, and called for a motion to approve the draft 2026 Industry Advisory Commit ee Work Plan.

It was MOVED and SECONDED
That the Solid Waste Management 2026 Work Plan be approved as presented.

CARRIED

The agenda varied to reconsider the feedback from the breakout sessions, during which the following comments were offered:

- The landfill and incineration are grouped together under the residual management category
  - One is a Metro Vancouver-owned asset and the other is an external asset that is not owned by Metro Vancouver
  - There is no apparent reasonable argument or incentive to include incineration as disposal
  - Questions about liability of the Waste-to-Energy facility and controlling the pollution it creates, aging infrastructure, how to manage that going forward
  - The Waste-to-Energy Facility is a liability within the plan and has not been proven to be a necessary inclusion, considering the extra capacity in the landfill and the available contingency options
- Confirmation that the notes taken in the breakout session will be aggregated and will be attached to the minutes.

It was confirmed that the next version of the plan would be a redlined version from the initial draft.

5. OTHER BUSINESS

5.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Solid Waste Services, reviewed a slide titled, "Zero Waste Committee and Other Updates," and highlighted:

- Update on capital program across all utilities
- 500 attendees at the Zero Waste Conference
- Update on Vancouver Landfill agreement
- Industry Advisory Committee call for membership
- Update on Collaborative Engagement program
- Nitrous oxide cylinder recycling
- Request for Proposal for reuse services at the United Boulevard Recycling and Waste Centre.

6. INFORMATION ITEMS

6.1 Vancouver Landfill Cross Section Fill Heights

Paul Henderson referenced the current cross section elevations for the Vancouver landfill included in the meeting package and highlighted:

- Variations in elevation across the site
- The new agreement allows for 39 metres elevation at post settlement height, which factors in approximately 10 metres of estimated settlement
- Significant areas of the site have never been filled or have not been filled in the last couple of decades
- There is some potential for refilling of the site, restricted to east of the western 40 hectares which had been restricted to construction and demolition material.
- Additional capacity available at the landfill will take the region to about 2050
- The agreement is based on "the earlier of"; if the landfill reaches capacity prior to 2050 the agreement ends then, or could go to as late as 2050
- Remaining landfill capacity will be reported as part of the solid waste management plan monitoring.

In response to a question if the 10-metre settlement modeling is based on arial surveys or historical settlement, it was noted that the modeling is based on what has been historically seen for settlement. The City of Vancouver regularly surveys the elevations of the landfill. The City of Vancouver is best to ask about specific compaction data; however, it is understood to be approximately one tonne per cubic metre of initial volume, then subsequent settlement after that.

Action: Metro Vancouver staff will request City of Vancouver compaction data and circulate to the Industry Advisory Committee.

In response to question about slide slope ratios, the City of Vancouver fills to a 3:1 slope, the maximum slope allowed. Due to varying characteristics at the site, there are some areas where they do intend to fill over existing side slopes but that would be to the specified maximums.

Action: Metro Vancouver staff will invite a City of Vancouver staff person to present to the Industry Advisory Committee.

Co-Chair Hodge thanked members for their participation and left the meeting at 3:58 p.m. Co-Chair Lori Bryan, assumed chairing duties.

In response to considerations for the costs of managing leachate and methane gas for the expected 10 million additional landfilled, it was noted that the estimate is based on current fill rates of 750,000 tonnes per year. The City of Vancouver produces a report on its website that outlines environment protection systems.

6.2 Regional Waste Flows

This item was not considered.

ADJOURNMENT

Co-Chair Bryan thanked members for their participation including the observers from the Consultation and Engagement Panel. The next regular Solid Waste and Recycling Industry Advisory Committee meeting would be held on March 10, 2026.

Industry Advisory Committee members were reminded that:

- Industry Advisory Committee membership applications due on February 20
- The Waste Management Association of BC annual conference is on February 26.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 4:01 p.m.

Attachments:

1) February 10, 2026 – Solid Waste and Management Plan: Initial Draft Feedback Session Summary.

Solid Waste Management Plan Update: Initial Draft
Solid Waste and Recycling Industry Advisory Committee Feedback Session

Tuesday, February 10, 2026
Virtual / Hybrid

Metro Vancouver is updating its regional solid waste management plan, building on the strengths of the current plan and identifying ways to accelerate waste prevention and recycling, reduce greenhouse gas emissions, and advance a circular economy. Metro Vancouver is currently receiving feedback on the initial draft solid waste management plan.

On February 10, 2026, Metro Vancouver held a feedback session on the initial draft plan at a Solid Waste and Recycling Industry Advisory Commit ee meeting. The session included two components – a round-robin opportunity for each member to provide comments summarizing their main feedback on the initial draft plan, followed by small-group discussions.

Prior to the meeting, Metro Vancouver polled members to identify priority parts of the plan for small group discussion. Final small group topics were:

- Targets and Metrics
- Regulatory Strategy
- Residual Waste Management Strategy
- Recycling and Waste Centre Strategy

Round-Robin Individual Feedback Summary

Below are the results of the round robin individual feedback, grouped by themes and topics. Verbatim notes are retained as part of the feedback records for the solid waste management plan update. Feedback will be considered as the draft is revised in preparation for providing to the Zero Waste Commit ee and GVS&DD Board. Following Board consideration, there will be an additional opportunity for comment prior to submission of the draft to the Ministry of Environment and Parks for approval.

Need for clarity and specificity

Commit ee members consistently felt the draft plan lacked sufficient detail to understand how goals will be achieved, what they will cost, and what assumptions back them. Many comments described the plan as “a plan to make a plan,” with unclear metrics, blended diversion rates, and limited supporting data. Targets around diversion, carbon neutrality, recycling infrastructure, and financial projections were viewed as unrealistic or inadequately justified.

Financial transparency and cost implications

Members raised concerns regarding rising costs, debt projections, unclear financial assumptions, lack of cost allocation by activity, and the potential burden on taxpayers especially in the context of affordability

and cost-of-living pressures. Feedback focused on improving transparency, inclusion of year-over-year cost-per-tonne schedules, and realistic accounting of capital costs and financing.

Disposal capacity and long-term planning

Commit ee members highlighted uncertainties surrounding long-term disposal capacity, processing and infrastructure needs for a rapidly growing population, and the relationship between waste-to-energy and landfill operations. They want clear long-term planning horizons (30+ years) and detailed contingency strategies.

General Feeback

Plan clarity and specificity

- Wording lacks clear expectations and actions.
- Many goals appear aspirational without actionable pathways or costed implementation steps.
- Lack of concrete actions for upstream waste reduction, disposal bans, or for meeting diversion targets.
- Unclear metrics and blended diversion rates that inflate performance.
- “Plan to make a plan” sentiment – insufficient detail on how targets will be achieved.
- Need for realistic, fact-based analysis.
- Statistics included were viewed as incorrect or misleading.
- Need for clarity on linkages to other Metro Vancouver strategies and plans (climate action, net-zero, etc.).
- Low incorporation of specific Industry Advisory Commit ee feedback to date.
- Request for clarification on recycling facility roles, pilot projects for organics, and technology improvements.

Financial transparency and assumptions

- Concerns about Metro Vancouver taking on excessive new debt within five years.
- Rising waste disposal revenues imply high rate increases for taxpayers.
- Perception that budget increases exceed what is reasonable for current inflation rates.
- Need for year-by-year cost-per-tonne schedule in the appendix.
- Insufficient allocation of costs to activities or targets; no “true cost accounting.”
- Lack of clarity about financial incentives for municipalities to participate in Extended Producer Responsibility (EPR) programs.

- Concern about taxpayer burden and consequences of these plan decisions lasting decades.

Disposal capacity, Waste-to-Energy, and District Energy

- Need to clarify and detail Vancouver Landfill's projected 2050 closure date within the plan.
    - Include conditions that could extend landfill life beyond 2050 (e.g. how might increasing diversion impact the anticipated closure date).
- Need for clarification on the District Energy System's claim of tripling energy recovery.
- Mixed views on continued use of the Waste-to-Energy Facility; some believe it should be phased out and some support incineration over landfilling.
- Concern that the long term District Energy commitment is a way of Metro Vancouver trying to fund new waste-to-energy capacity.
- Waste-to-energy and landfill should be separated in the plan since only one is a Metro Vancouver-owned asset.
- Need to distinguish between materials recovery vs. energy recovery to avoid conflating diversion with fuel-burning.
- Importance of ensuring low-cost disposal options in-region and in-province.

Diversion rates, recycling, and EPR

- Need for municipal-level breakdowns of recycling numbers for comparison.
- Diversion targets seen as overly optimistic or padded.
- Distinguish between diversion via materials recovery and recovery through incineration.
- Need more transparency on EPR reporting about collected products.
- Clarification requested on pathway to improving processing infrastructure for a growing population, especially multi-family.

Enforcement, hauler licensing, and source control

- Strong emphasis on shifting enforcement upstream rather than at recovery sites.
- Support for rewarding generators who "do the right thing."
- Need for more enforcement and facilitation of waste audits including support for clear waste bags.
- Comment that more information is needed about scope of hauler licencing for the commit ee to meaningfully comment on it – what would this look like? Regulatory mechanisms should be described in more detail if included in the plan.

Developing markets

- Support for research and technology to improve diversion and reduce contamination.
- Need to ensure recycling is focused to where end markets exist.
- Plan does not sufficiently facilitate development of end-market capacity.

General feedback

- Positive feedback on plan organization by hierarchy.
- Recognized as a useful reference for municipalities to stay aligned.
- Formatting issue noted in Appendix B (line misalignment).
- Concern that legal or structural complexities (e.g., First Nations jurisdiction) could affect disposal capacity projections.

Summary of Small Group Discussion Feedback

Below are notes from the small group discussion, categorized by the small group topics. Feedback will be considered as the draft is revised in preparation for providing to the Zero Waste Commit ee and GVS&DD Board. Following Board consideration, there will be an additional opportunity for comment prior to submission of the draft to the Ministry of Environment and Parks for approval.

Topic: Targets and Metrics

Most important topics in this area:

- Current diversion numbers do not reflect actual recycling and rely heavily on unregulated materials (e.g., concrete, asphalt) that inflate performance.
- True residuals and recovery rates are not being measured, resulting in inaccurate reporting and unrealistic targets.
- Metrics and targets are not grounded in operational or market reality, creating credibility issues.

What needs to be strengthened:

- Accuracy and transparency of measurements – track what is actually recycled, including residuals leaving facilities and material shipped overseas.
- Evidence-based target setting to align targets with physical limits of recyclability and market conditions; acknowledge that realistic diversion rates are in the 20–30% range.
- Cost transparency that outlines the cost per tonne or per unit of diversion for proposed initiatives and provide cost–benefit analysis for major actions.
- Differentiation between diversion and recovery. Track recovery separately, do not count recovery as success.

What's missing:

- A clear explanation of how targets will be achieved (e.g. sequencing, strategies, or implementation plan)
- Tracking and reporting of facility-level residuals, including organics and construction and demolition materials processing.
- Analysis of downstream environmental impacts such as organic residual contamination of farmland.
- Consideration of affordability impacts, especially on multi-family building residents.
- A plan for addressing declining or stagnant recycling markets for plastics, wood waste, and cardboard.
- A new baseline methodology that reflects actual conditions rather than aspirational metrics.

Other comments:

- Some participants expressed frustration with having the same conversation about numbers.
- Stakeholders voiced concerns that current reporting mimics other jurisdictions but is not ideal for the Metro Vancouver region.
- Zero waste is seen as unat ainable, and municipal responsibility should focus on efficiency and affordability rather than aspirational targets.

Topic: Recycling and Waste Centre Strategy

Most important topics in this area:

- Recognizing and duplicating the United Boulevard model, which is viewed as the regional standard for service quality.
- Ensuring recycling and waste centres support extended producer responsibility integration, reuse opportunities, and access for all residents, including those in high-density areas.

What needs to be strengthened:

- Clear direction on the role of organics at recycling and waste centres and how to integrate commercial organics handling without displacing private sector operators.
- Improved planning for equitable access, particularly for dense urban areas where residents cannot drive 30+ minutes to a site.
- A more transparent approach to mixed waste processing (is it being considered, what studies exist, and what feasibility looks like, etc)
- Standardization or simplification for extended producer responsibility product handling, including disposal ban enforcement and reducing the burden on haulers.

What's missing:

- A clear articulation of the capacity of existing processors in the region.
- A stronger plan for active transportation access to sites, beyond conceptual statements.
- Structural barriers to reuse (e.g., scavenging policies) that may need policy adjustments.
- A clear regional approach to managing extended producer responsibility materials entering the residual waste stream.

Other comments:

- Want more clarity on how transfer stations fit within the broader system.
- Some noted that disposal ban inspectors often put responsibility on haulers, which should shift upstream to generators.
- Suggestions were raised about exploring a municipal bylaw to improve enforcement of sorting at source.

Topic: Residual Waste Management Strategy

Most important topics in this area:

- Residual waste management is the largest cost driver in the system and must be managed strategically.
- Increasing amount of residuals, especially from multi-family housing, require new approaches to measurement, material separation, and long-term disposal planning.
- Ensure that environmental impacts (air emissions, pollutants, hazardous waste) are minimized and controlled.

What needs to be strengthened:

- A clear framework for measuring residuals from all streams {curbside, transfer stations, recycling facilities, and organics processing).
- Transparent information about future landfill capacity, including Vancouver Landfill timelines, renegotiation requirements, and how diversion affects landfill lifespan.
- A financial outline of disposal approaches including projected cost per tonne and long-term financial implications.
- Stronger emphasis on resilience, such as managing more residuals within the region to avoid dependence on external jurisdictions.

What’s missing:

- The Waste-to-Energy Facility should not be in the plan long-term – the plan does not present a clear business case for continuing to use the Waste-to-Energy facility: why it is included, what purpose it serves, and whether its costs and risks are justified.

- Details on hazardous waste management where no extended producer responsibility options exist.
- A detailed understanding of the constraints on Vancouver Landfill, including:
    - level of accuracy of the 2050 estimated lifespan
    - post-set lement height limits
    - tonnage thresholds (e.g., 750,000 tonnes)
- Explicit listing of contingency landfill options instead of general references to “contingency sources.”

Other comments:

- Members want more focus on upstream solutions, such as product design changes informed by waste composition.
- Some requested that mixed waste processing be reconsidered given the increasing multi-family waste stream.
- Recognition that residuals from organics processing facilities must be accounted for.

Topic: Regulatory Strategy

Most important topic in this area:

- The regulatory strategy lacks operational detail, does not reflect industry realities, and may introduce regulation without solving root problems (contamination, system complexity, lack of infrastructure).

What needs to be strengthened:

- Clear explanation of what new regulations would do, how they would improve outcomes, and how benefits outweigh costs.
- Greater integration of private sector expertise and clarity on the role of industry in implementing the plan.
- Stability and predictability in regulation so private operators can plan investments confidently.
- A more realistic understanding of system complexity and how it affects both residents and haulers.

What’s missing:

- An appendix or outline of potential regulatory actions being considered.
- Consideration of why some residents cannot participate, and how regulatory design could address those barriers.
- Explanation of how mandatory source separation or hauler licensing would actually increase diversion.

- A realistic acknowledgement of system limitations, including lack of infrastructure for post-collection separation.

Other comments:

- Some felt the strategy appears to reflect input from people who don't understand how waste flows or are not as aware of how the system works
- Industry participants felt unheard and that past input was not reflected.
- Concerns raised about "mission creep" and excessive red tape.
- Emphasis that more regulation will increase system costs, which are already high.
- Members noted the need for opportunities for the private sector to innovate, own infrastructure, and deploy technology.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, March 10, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 March 10, 2026 Meeting Agenda — 2:00 – 2:05 pm

2. MINUTES

2.1 January 28, 2026 Meeting Minutes
2.2 February 10, 2026 Meeting Minutes — 2:05 – 2:10 pm

3. 2026 IAC MEMBER INTRODUCTIONS — 2:10 – 2:30 pm

4. REPORTS AND ITEMS FOR DISCUSSION

4.1 Draft Solid Waste Management Plan – Timeline Update — 2:30 – 2:40 pm
For information
Designated Speaker: Terry Fulton, Senior Project Manager, Solid Waste Services

4.2 Operational Challenges of Daylight Savings Time Permanent Adoption — 2:40 – 2:50 pm
For discussion
Designated Speaker: Lori Bryan, IAC Co-Chair

5. IAC CO-CHAIR NOMINATIONS — 2:50 – 3:00 pm

6. OTHER BUSINESS

6.1 Zero Waste Committee and Other Updates — 3:00 – 3:10 pm
For information
Designated Speaker: Chris Underwood, Division Manager, Solid Waste Planning and Chris Allan, Director, Solid Waste Operations

6.2 Tipping Fee Bylaw Generator Levy Provisions: Record Keeping Webinar — 3:10 – 3:20 pm
For information
Designated Speaker: Nicole MacDonald, Program Manager, Regulation and Enforcement, Solid Waste

7. INFORMATION ITEMS

3:20 – 3:30 pm

7.1 Regional Waste Flows
7.2 IAC 2026 Work Plan
7.3 IAC Meeting Action Tracker
7.4 Options Analysis Engagement Summary Report
7.5 Options Analysis Feedback Log
7.6 Nitrous Oxide Cylinders Recycling Handout
7.7 Industry Advisory Committee – Feedback Summary – January 28, 2026
7.8 Industry Advisory Committee – Feedback Summary – February 10, 2026

Proposed agenda timings are intended to support effective meeting facilitation. Items requiring further discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Baker, Todd – Ecowaste Industries Ltd.
Bryan, Lori – WMABC
Collins, James – Tymac Launch Service Ltd.
Drissi El-Bouzaidi, Nabil – Ecowaste Industries Ltd.
Hakimé, Maya – Merlin Plastics
Hankins, Grant – Canada Minibins.com Ltd.
Johnson, Gord – Empower/ Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Group
Kheyrandish, Ata – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
L'Heureux, Lindsay – Recycle BC
Ligumksy, Alan – Peak Disposal Services Inc
Lotzkar, Jacqueline – Canadian Association of Recycling Industries (CARI)
Mac Neil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution
Millman, David – WM
Muir, Wesley – Veolia Canada
Pantazopoulos, Dimitri – Waste Connections of Canada
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp, Return-It
Skei, Dayton – EverGen Infrastructure Corp.
Vargas, Pinky – Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd
Watson, Jason – JW Recycle-IT Inc.
Zarbl, Michael – Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held virtually at 2:00 p.m. on Tuesday, March 10, 2026.

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Baker, Todd – Ecowaste Industries Ltd.
Drissi El-Bouzaidi, Nabil – Ecowaste Industries Ltd.
Hankins, Grant – Canada Minibins.com Ltd.
Johnson, Gord – Empower/Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Group
Kiani, Aiden – Lock-Block Ltd.
L'Heureux, Lindsay – Recycle BC
Ligumsky, Alan – Peak Disposal Services Inc.
Mac Neil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
McRae, Ralph – Revolution
Millman, David – WM Canada
Muir, Wesley – Veolia North America (Canada)
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp Return-It
Skei, Dayton – Evergen Infrastructure Corp.
Vargas, Pinky – Republic Services

MEMBERS ABSENT:

Abrams, Izzie – Waste Connections of Canada
Collins, James – Tymac Launch Service Ltd.
Hakimé, Maya – Merlin Plastics
Kheyrandish, Ataollah – Richmond Steel Recycling
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline – Canadian Association of Recycling Industries (CARI)
Mallari, Achilles – Sierra Waste Services Ltd.
Pantazopoulos, Dimitri – Waste Connections of Canada
Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Watson, Jason – JW Recycle-IT Inc.
Zarbl, Michael – Major Appliance Recycling Roundtable

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Chris Allan, Director, Solid Waste Operations, Metro Vancouver
Chris Chong, Multimedia Specialist, Metro Vancouver
Terry Fulton, Senior Project Engineer, Metro Vancouver
Allen Jensen, Senior Project Engineer, Metro Vancouver
Stephanie Lui, Program Manager, Metro Vancouver
Nicole MacDonald, Program Manager, Regulation and Enforcement, Solid Waste, Metro Vancouver
Zeenia Mizan, Program Assistant, Metro Vancouver
Underwood, Chris, Division Manager, Solid Waste Planning, Metro Vancouver

OBSERVERS:

Bylicki, Veronika
Fassbender, Peter

PREPARATION OF MINUTES: Jasmeen Dhillon, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, March 10, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA
- **1.1 March 10, 2026 Meeting Agenda**

2. MINUTES
- **2.1 January 28, 2026 Meeting Minutes**
- **2.2 February 10, 2026 Meeting Minutes**

3. 2026 IAC MEMBER INTRODUCTIONS

4. REPORTS AND ITEMS FOR DISCUSSION
- **4.1 Draft Solid Waste Management Plan – Timeline Update**
  For Information
  Designated Speaker: Tery Fulton, Senior Project Manager, Solid Waste Services
- **4.2 Operational Challenges of Daylight Savings Time Permanent Adoption**
  For Discussion
  Designated Speaker: Lori Bryan, IAC Co-Chair

5. IAC CO-CHAIR NOMINATIONS

6. OTHER BUSINESS
- **6.1 Zero Waste Committee and Other Updates**
  For information
  Designated Speaker: Chris Underwood, Division Manager, Solid Waste Planning and Chris Allan, Director, Solid Waste Operations
- **6.2 Tipping Fee Bylaw Generator Levy Provisions: Record Keeping Webinar**
  For information
  Designated Speaker: Nicole MacDonald, Program Manager, Regulation and Enforcement, Solid Waste

7. INFORMATION ITEMS
- **7.1 Regional Waste Flows**
- **7.2 IAC 2026 Work Plan**
- **7.3 IAC Meeting Action Tracker**

7.4 Options Analysis Engagement Summary Report
7.5 Options Analysis Feedback Log
7.6 Nitrous Oxide Cylinders Recycling Handout
7.7 Industry Advisory Committee – Feedback Summary – January 28, 2026
7.8 Industry Advisory Committee – Feedback Summary – February 10, 2026

Co-Chair Craig Hodge, called the meeting to order at 2:03 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee Meeting.

Housekeeping reminders were provided, including that the meeting was being live-streamed and the recording would be posted to the Industry Advisory Committee webpage.

A warm welcome was extended to Veronika Bylicki and Peter Fassbender, members of the Solid Waste management Plan Independent Consultation and Engagement Panel, who attended as observers.

1. AGENDA

1.1 February 10, 2026, Meeting Agenda

Co-Chair Hodge reviewed the March 10, 2026, meeting agenda. No additions were made.

2. MINUTES

2.1 January 28, 2026, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the January 28, 2026, Industry Advisory Committee meeting.

Concern was expressed that the "Solid Waste Management Plan Update: Initial Draft Feedback Summary" contained an inaccuracy regarding hauler licensing; it was noted that hauler licensing and flow control have been discussed in past meetings and raised by committee members as an important and relevant topic where more information and discussion is required. Director Hodge suggested continuing this conversation with the discussion on feedback summaries in item 7: Information Items

2.2 February 10, 2026, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the February 10, 2026, Industry Advisory Committee meeting.

Members commented that feedback provided during the Round-Robin Individual Feedback Summary was not included in the Meeting Minutes. It was noted by staff that:

- Meeting Minutes indicate that a separate feedback summary of comments received is attached and will be considered in developing the revised draft Solid Waste Management Plan
- Feedback from the Round-Robin is included in the agenda package in a document titled, "Solid Waste Management Plan Update: Initial Draft – Solid Waste and Recycling Industry Advisory Committee Feedback Session"
- Some members expressed that, in general, meeting minutes do not always represent member feedback.

3. 2026 IAC MEMBER INTRODUCTIONS

Co-Chair Hodge led a round of introductions of the incoming 2026 committee and welcomed new Industry Advisory Committee members.

Co-Chair Hodge reviewed the Industry Advisory Committee Terms of Reference and Code of Conduct.

The following 2026 Industry Advisory Committee meeting dates were noted:

- March 10, 2026
- April 7, 2026
- May 12, 2026
- June 9, 2026
- September 15, 2026
- October 6, 2026
- November 10, 2026.

4. REPORTS AND ITEMS FOR DISCUSSION

4.1 Draft Solid Waste Management Plan – Timeline Update

Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, shared a presentation titled, "Revised Draft Solid Waste Management Plan" and highlighted:

- The phases of the solid waste management plan update process
- The revised draft plan includes six goals, 30 strategies, and over 100 actions
- Upcoming solid waste management plan reports to the Zero Waste Committee:
  - Draft Solid Waste Management Plan
  - Engagement Summary Report
  - Independent Consultation and Engagement Panel Report.

Co-Chair Hodge opened the floor for members to respond to the information presented. The following question and/or comment (Q/C) and response (*R*) were captured:

Q/C: Hauler licensing, flow controls, and privatization of the waste system have been tabled multiple times throughout this plan update process. Some folks have been advocating for this going on 40 years. Seems like this issue has not been addressed or considered in the plan.

R: *There are multiple points of view, on this issue. The plan has been developed in consideration of feedback from multiple audiences and considers the priorities of the Board. Metro Vancouver staff has reported on the feedback about privatization of the waste system being of interest to some parties as well as on feedback that calls for more regulation and oversight of the system.*

4.2 Operational Challenges of Daylight Savings Time Permanent Adoption

Co-Chair Lori Bryan reviewed a slide titled, "Daylight Savings Permanent Adoption – Potential Operational Considerations," and highlighted:

- General operational readiness
- Safety considerations/impacts
- Customer and service coordination
- Additional considerations.

Co-Chair Hodge opened the floor for members to respond to the information presented. The following question and/or comment (Q/C) was captured:

Q/C: From an operational perspective, there are general safety concerns from operating in the dark.

5. IAC CO-CHAIR NOMINATIONS

Co-Chair Hodge informed that, as per the Terms of Reference, one member Co-Chair is elected annually for a term of one year, and informed that Lori Bryan was nominated at the March 2025 Industry Advisory Committee meeting.

Nominations were called by Co-Chair Hodge three times; Lori Bryan was the only nominee. Nominations will be accepted up until the Election meeting on April 7, 2026.

6. OTHER BUSINESS

6.1 Zero Waste Committee and Other Updates

Chris Underwood, Division Manager, Solid Waste Planning, and Chris Allan, Director, Solid Waste Operations, provided the following updates on reports presented to the Zero Waste Committee on March 5, 2026:

- Link to "Options Analysis Engagement Summary Report" is included in the agenda package
- The final meeting of the Public/Technical Advisory Committee is on April 2, 2026
- Update on the potential use of reclaimed lumber in the design of the Waste-to-Energy Facility District Energy centre
- Working with the University of British Columbia Sustainability Scholar on market development for reclaimed wood
- Update to two campaigns, including:
  - Low-waste gift ideas; target audience includes environmentally conscious individuals between 18 and mid-30s
  - Reduction of textile waste; target audience includes women between 35 and 65 who are motivated to repair clothing
- Proposed ban on the import and sale of nitrous oxide cylinders:
  - Concerns include explosions at waste-to-energy facilities due to inappropriate disposal of nitrous oxide cylinders
  - Implications of nitrous oxide in the waste stream include:
    - Worker safety
    - Equipment damage
    - Lost electricity revenue and reduced garbage throughput from downtime

    - Potential impacts on Waste-to-Energy Facility emissions
    - Greenhouse gas emissions
- Cylinder drop-off at recycling and waste centres:
    - Currently receiving approximately 700 cylinders per month
    - Updating the program to communicate receipt of partially full cylinders
    - Working to receive cylinders from municipal crews and municipal recycling depots

Co-Chair Hodge opened the floor for members to respond to the information presented. The following question and/or comment (Q/C) was captured:

Q/C: Need a better delineation or roles between the private sector and public sector; responsibilities need to be made clear.

6.2 Tipping Fee Bylaw Generator Levy Provisions: Record Keeping Webinar

Nicole MacDonald, Program Manager, Regulation and Enforcement, Solid Waste, shared a presentation titled, "Record Keeping Webinar," and highlighted:

- April 2, 2026, upcoming webinar for waste haulers titled, "Tipping Fee Bylaw Generator Levy Provisions: Record Keeping Requirements"
- Objective of webinar to reduce non-compliance
- Offering voluntary record reviews prior to inspections
- Website includes new webpage that highlights recordkeeping processes.

Co-Chair Hodge opened the floor for members to respond to the information presented. The following question and/or comment (Q/C) and response (*R*) were captured:

Q/C: Can the webinar be recorded for anyone unable to attend?

R: Currently, there are no plans to record, but will take the request under consideration.

7. OTHER BUSINESS

7.1 Regional Waste Flows

7.2 IAC 2026 Work Plan

7.3 IAC Meeting Action Tracker

7.4 Options Analysis Engagement Summary Report

7.5 Options Analysis Feedback Log

7.6 Nitrous Oxide Cylinders Recycling Handout

7.7 Industry Advisory Committee – Feedback Summary – January 28, 2026

7.8 Industry Advisory Committee – Feedback Summary – February 10, 2026

ADJOURNMENT

Co-Chair Bryan thanked members for their participation, including the observers from the Consultation and Engagement Panel. The next regular Solid Waste and Recycling Industry Advisory Committee meeting would be held on April 7, 2026.

Industry Advisory Committee members were reminded that:

- Industry Advisory Committee conflict statements must be submitted to participate in the April 7, 2026, meeting
- Nominations will be accepted up until the Election meeting on April 7, 2026.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:05 p.m.

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, April 7, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 April 7, 2026 Meeting Agenda — 2:00 – 2:05 pm

2. MINUTES

2.1 March 10, 2026 Meeting Minutes — 2:05 – 2:10 pm

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Revised Draft Plan — 2:10 – 2:30 pm
For Information
Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 Plan Implementation and Reporting — 2:30 – 2:40 pm
For information and Q&A
Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates — 2:40 – 2:45 pm
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 Tipping Fee Updates — 2:45 – 2:50 pm
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. IAC MEMBER CO-CHAIR ELECTION — 2:50 – 3:00 pm

6. INFORMATION ITEMS — 3:00 – 3:05 pm

6.1 Regional Waste Flows
6.2 IAC 2026 Work Plan
6.3 IAC Meeting Action Tracker

6.4 Zero Waste Committee – April 2, 2026 Meeting Agenda Package (Revised Draft Solid Waste Management Plan)

Proposed agenda timings are intended to support effective meeting facilitation. Items requiring further discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Baker, Todd – Ecowaste Industries Ltd.
Bryan, Lori – WMABC
Collins, James – Tymac Launch Service Ltd.
Drissi El-Bouzaidi, Nabil – Ecowaste Industries Ltd.
Hakimé, Maya – Merlin Plastics
Hankins, Grant – Canada Minibins.com Ltd.
Johnson, Gord – Empower/ Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Group
Kheyrandish, Ata – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
L'Heureux, Lindsay – Recycle BC
Ligumksy, Alan – Peak Disposal Services Inc
Lotzkar, Jacqueline – Canadian Association of Recycling Industries (CARI)
Mac Neil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution
Millman, David – WM
Muir, Wesley – Veolia Canada
Pantazopoulos, Dimitri – Waste Connections of Canada
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp, Return-It
Skei, Dayton – EverGen Infrastructure Corp.
Vargas, Pinky – Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd
Watson, Jason – JW Recycle-IT Inc.
Zarbl, Michael – Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held via Zoom teleconference from 2:00 p.m. to 4:00 p.m. on Tuesday, April 7, 2026.

MEMBERS PRESENT:

Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Abrams, Izzie – Waste Connections of Canada
Collins, James – Tymac Launch Service Ltd.
Hakimé, Maya – Merlin Plastics
Hankins, Grant – Canada Minibins.com Ltd.
Johnson, Gord – Northstar
Kawakami, Sean – Convertus Canada Ltd.
Kheyrandish, Ataollah – Richmond Steel
Kiani, Aiden – Lock-Block Ltd
Lannin, Mike – Super Save Group
L'Heureux, Lindsay – Recycle BC
Ligumsky, Alan – Peak Disposal Services Inc.
MacFarlane, Angus – Growing City
MacNeil, Patrick – Wescan Disposal Ltd. Canada Corp.
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corporation
Muir, Wesley – Veolia North America (Canada)
Stefenelli, Nicole – Urban Impact Recycling Ltd.
Pantazopoulos, Dimitri – Waste Connections of Canada
Skei, Dayton – Evergen Infrastructure Corp.
Vargas, Pinky – Republic Services

MEMBERS ABSENT:

Baker, Todd – Ecowaste Industries Inc.
Drissi El-Bouzaidi, Nabil – Ecowaste Industries Ltd.
Kaminski, Jamie – HSR Zero Waste
Lotzkar, Jacqueline – Canadian Association of Recycling Industries (CARI)
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Watson, Jason – JW Recycle-IT Inc.

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Terry Fulton, Senior Project Engineer, Metro Vancouver
Paul Henderson, General Manager, Metro Vancouver
Samantha Joy, Engagement Specialist, Metro Vancouver
Stephanie Liu, Manager, Community Engagement, Metro Vancouver
Zeenia Mizan, Program Assistant, Metro Vancouver

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, April 7, 2026
2:00 p.m. to 4:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA
1.1 April 7, 2026 Meeting Agenda

2. MINUTES
2.1 March 10, 2026 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION
3.1 Revised Draft Plan
For information
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

3.2 Plan Implementation and Reporting
For information and Q&A
Designated speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

***4.* OTHER BUSINESS**
4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

4.2 Tipping Fee Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. IAC Member Co-Chair Election

6. INFORMATION ITEMS
6.1 Regional Waste Flows
6.2 IAC 2026 Work Plan
6.3 IAC Meeting Action Tracker
6.4 Zero Waste Committee – April 2, 2026 Meeting Agenda Package (Revised Draft Solid Waste Management Plan)

Co-Chair Craig Hodge, called the meeting to order at 2:04 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee Meeting.

Housekeeping reminders were provided, including that the meeting was being live-streamed and the recording would be posted to the Industry Advisory Committee webpage.

1. AGENDA

1.1 April 7, 2026, Meeting Agenda

Co-Chair Hodge reviewed the April 7, 2026, meeting agenda. No additions were made.

2. MINUTES

2.1 March 10, 2026, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the March 10, 2026, Industry Advisory Committee meeting. No additions or changes were made.

Co-Chair Hodge advised that the February 2026 meeting minutes and feedback summary were updated to reflect the amendments requested by members in relation to the round-robin feedback.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Revised Draft Plan

Terry Fulton, Senior Project Engineer, Solid Waste Services, Metro Vancouver, shared a presentation titled "Revised Draft Solid Waste Management Plan and Initial Draft Plan Feedback Summary." Highlights included:

- Engagement statistics
- Initial draft plan feedback provided by the Industry Advisory Committee
- Highlight of some revisions made to the initial draft plan based on feedback:
  - Added a strategic principle of prioritizing local solid waste management solutions:
    - Bundles together actions that work toward local solutions for managing waste.
    - Local solutions increase resilience, reduce transportation greenhouse gas (GHG) emissions, and create local employment and economic benefit
  - 2036 targets added, including by sector
  - Focus areas added to highlight key strategies and actions (including multi-family and construction and demolition sectors)
  - Strengthened the language used in the strategies and actions
  - Enhanced actions related to education
  - Expanded financial section and added plan implementation schedule
- Next steps include consideration by the Greater Vancouver Sewage and Drainage District Board, a public comment period on the revised plan, and submission of the draft plan to the Ministry of Environment and Parks for approval.

Discussion ensued, and the following questions and comments (Q/C) and *responses (R)* were captured:

Q/C: It doesn't feel like the feedback received from Industry Advisory Committee members is being reflected in the work Metro Vancouver is doing. The concerns being raised seem to be optimistically phrased in the minutes and feedback summaries and don't highlight the significance of the issues being shared. Metro Vancouver often communicates in a way that seems positive, but it is misleading.

Q/C: Metro Vancouver's statistics are inaccurate, for example, the diversion/recycling rate is quoted at 65%, but is closer to 30% depending on how materials are measured.

Q/C: Is there a mandate to mirror the GHG emissions targets?

R: Reducing GHG emissions was a theme throughout engagement on the draft solid waste management plan. The GHG emissions targets reflect engagement feedback and align with Metro Vancouver's Climate 2050 Strategic Framework.

Q/C: If Metro Vancouver adopts the strategies being presented to reduce GHG emissions, it could impact the public financially, and families will be required to pay a lot of money. This is not being communicated to the public, and transparency is needed.

Q/C: Are the members of the Public/Technical Advisory Committee privy to the information being shared by the Industry Advisory Committee members? Surprisingly, the Public/Technical Advisory Committee thinks the rates and projections being presented are good. It would be beneficial to see how communication with other committees is done to ensure the Industry Advisory Committee feedback is being properly reiterated.

R: All feedback received during the draft plan engagement phase is being shared to provide clarity on the draft plan. There were three reports submitted to the Zero Waste Committee, which are available on Metro Vancouver's website, along with the livestream recording.

3.2 Plan Implementation and Reporting

Terry Fulton shared a presentation titled "Plan Implementation and Reporting" and highlighted:

- The Province recommends forming a Plan Monitoring Advisory Committee after the draft plan is approved
- The monitoring committee is intended to represent a variety of interests, experiences, and expertise; details are in development.
- Members would likely receive updates on the plan's progress in conjunction with annual summary statistics.

- For this type of committee, a Terms of Reference would be created and approved by the Zero Waste Committee and the Greater Vancouver Sewerage and Drainage District Board, prior to moving ahead with a call for Committee members.

Discussion ensued, and the following question and comment (Q/C) was captured:

Q/C: There is a digester in Surrey that takes in 100,000 tonnes of materials from a variety of sources in a year. The minute you put food scraps into commercial organics, the material is contaminated with plastic. It is virtually impossible to remove any foreign matter, resulting in 30-40% of waste material. This material should be going to a landfill or be processed multiple times to reduce the plastic fines in the process.

However, another suggestion would be to revisit historical decisions to include plastics in the residential organics stream. This would be more constructive and lead to a positive outcome at a lower cost.

If a committee or panel is formed to support moderating the plan, Metro Vancouver needs to be mindful that there are industry members who can provide constructive feedback to help drive positive results. We need people in the room who can make a difference.

Terry Fulton shared that the current annual and biennial reporting process will be updated to include the primary and secondary metrics included in the draft plan as well as plan related expenditures.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Metro Vancouver, provided the following Zero Waste Committee and other updates:

- A Zero Waste Committee meeting occurred on April 2, 2026, with three reports related to the solid waste management plan update.
- The draft plan was endorsed by the Zero Waste Committee and will be considered by the GVS&DD Board at the April 24, 2026, meeting
- If the draft Solid Waste Management Plan is supported by the Board, there will be an additional opportunity to provide comments on the draft Plan before being submitted to the Ministry of Environment and Parks
- Also presented at the April 2 Zero Waste Committee meeting was a report related to organics at North Shore Recycling and Waste Centre, Maple Ridge Recycling and Waste Centre, and Langley Recycling and Waste Centre.
  - A recommendation was made for a contract to be awarded to Arrow for receiving, processing, and transporting material following a competitive procurement process
  - A key change since the last procurement process for these services is the addition of organics collected multifamily and commercial/institutional sources

- This material started to be received at North Shore Recycling and Waste Center in 2021 and makes up approximately 40% of all the organic materials going into the facility, which is an excess of 20,000 tonnes per year
- Observed significant price increases compared to the current contract

4.2 Tipping Fees

Paul Henderson provided an update on changes to tipping fees, which included:

- The Zero Waste Committee received a report related to changes in tipping fees, effective July 1, 2026, which proposes an increase to rates for municipal organics, collected by the five municipalities on the North Shore, and an increase in the commercial organics rate from $150/tonne to $175/tonne:
  - This change will effectively cover the unit rate for each additional tonne of commercial organics
  - The overall cost of that contact in addition to this, in order to fund the cost of that contract, an additional proposal for $2/tonne increase in the medium and large loads across the system for garbage
  - The $175/tonne is already over the cost of garbage disposals, and if Metro Vancouver layered in the full cost, it would be over $200/tonne
- If the Board approves this proposal, all customers would be notified of these increases, which will be effective July 2026.

Discussion ensued regarding both Item 4.1 Zero Waste Committee Updates and Item 4.2 Tipping Fees, and the following questions and comments (Q/C) and *responses (R)* were captured:

Q/C: How does the Extended Producer Reliability program and Recycle BC fit into this?

R: The producers of packaging and paper materials from residential sources are responsible for funding recycling of those materials. Information from Recycle BC and other data points from various sources is used for the calculations that are reported, which is why it takes time to assemble diversion statistics each year.

R: Regional districts are responsible for developing solid waste management plans that apply to all municipal solid waste, not just the materials collected at Metro Vancouver facilities.

Q/C: Where is Metro Vancouver at with respect to the allowable level of organics in waste dump transfer stations? Is it still 25%?

R: There are no changes to the tipping fee by-law with respect to the disposal ban limits.

Q/C: If Metro Vancouver moved the current 25% back down to 5%, there would be a significant increase in the amount of organics diverted. Currently, waste containers and organic containers are being dumped into the same truck. There is less motivation

to separate commercial organics. By increasing this to 25%, Metro Vancouver drove many organics collection services out of the market.

Q/C: What is the status of The Southern Star facility and how is the issue going to be resolved?

R: No current update has been received, but it is believed that the materials are still on-site pending action by the Vancouver Port Authority.

Q/C: Despite many complaints about the materials on that site, nothing has been actioned, and this is a major concern that should be addressed. The amount of materials is over the licensed allowable amount. The reason the materials have been piled onsite is because they could not be recycled. There is concern that this type of situation could be replicated by the actions contained in the draft plan. At this point in time, not all materials can be recycled. Request that Metro Vancouver recalculate recycling and diversion rates.

Q/C: The report that was published in the Zero Waste Committee agenda cited a total cost contract value of $80.5 million, but the Request for Proposals cited $10.75 million. Can more information be shared about the discrepancy in the procurement process?

R: Our procurement process typically requests proposals based on one year of operations. The report presents the total proposal value by combining material rates and estimated quantities with fixed operating costs. However, calculating the full contract value for the maximum 5.5-year term requires accounting for inflation, projected quantities, and other assumptions. Actual material volumes, and total contract value, may fluctuate, particularly due to uncertainty around potential increases in commercial organics.

Q/C: There was a note stating that staff continue to look at more local processing. What is the objective of developing processing infrastructure?

R: The Board has directed to provide support with additional local processing. This is still being worked on, but the report notes that there is a request to consider this, and next steps need to be determined.

Q/C: Can the rationale be expanded regarding the medium and heavy loads that will be subsidized? The cost of living in the Lower Mainland is very expensive, and not all customers are generating these loads. A cost model and mapping should be done, as cross-subsidization may cause problems. A strong rationale needs to be shared, and how the market should be approached.

R: When Metro Vancouver received pricing, it was evident that organics processing rates would significantly increase, and it was determined that the best solution would be to

fund the additional costs of the contract with increases to tipping fees. From Metro Vancouver's perspective, the commercial and institutional sectors are contributing to these organics, so this was the most appropriate strategy.

Q/C: The challenging decision is appreciated, but Metro Vancouver is encouraged to think of other strategies. Cross-pollination when subsidizing is masking the problem and not addressing the actual issue. The open market might have better solutions, and Metro Vancouver should consider this.

Q/C: Organics need to be removed from the waste stream – Metro Vancouver should charge what it actually costs to deal with them.

Q/C: The cost of stripping plastics away is also a time-consuming process. It is suggested to go back to how things were handled in 2015 because it made more sense. The organics stream is the most problematic waste stream because it costs more to deal with it, but it is worth doing.

Q/C: There was a scenario where local organic processers were heavily regulated and felt they had to leave the region to be successful. Our governance is very strict, especially if more regulations are introduced. Recycle BC has been unable to share information related to their requirements. If bigger companies are meeting expectations, then the information on how to be successful should be shared with others.

5. IAC Member Co-Chair Election

Co-Chair Hodge stated that a Co-Chair will be elected for a term of one year by a 50%+1 majority vote of voting members present, noting that voting members are defined as Industry Advisory Committee members who have held membership for at least one month prior to the day of the vote.

Lori Bryan, Waste Management Association of BC, was nominated during the March 2026 meeting. Nominations were called by Co-Chair Hodge three times; Lori Bryan was the only nominee.

Lori Bryan was congratulated for being elected to the role of Co-Chair, and she shared sentiments, including a commitment to continue to raise concerns, lead fulsome discussions, and bring forward solutions to the industry. Co-Chair Bryan stated her commitment to the Industry Advisory Committee members and ensuring their voices and concerns will be addressed appropriately.

6. INFORMATION ITEMS

6.1 Regional Waste Flows

6.2 IAC 2026 Work Plan

6.3 IAC Meeting Action Tracker

6.4 Zero Waste Committee – April 2, 2026 Meeting Agenda Package (Revised Draft Solid Waste Management Plan)

7. ADJOURNMENT

The next regular Solid Waste and Recycling Industry Advisory Committee meeting will be held on May 12, 2026.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:23 p.m.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, May 12, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 May 12, 2026 Meeting Agenda 2:00 – 2:05 pm

2. MINUTES

2.1 April 7, 2026 Meeting Minutes 2:05 – 2:10 pm

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Source Reduction Hauler Incentive Program 2:10 – 2:50 pm
For plenary discussion
Designated Speakers: Veronica Bartlet and Heidi Gerlach, Dillon Consulting
- *What are your initial thoughts on the concept of an incentive?*
- *What barriers or operational issues do you see to implementing an incentive program like this?*
- *What would be key to making this program successful? What rebate would be required to support it?*

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates 2:50 – 2:55 pm
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
- *Letter: Request for Ban on the Import and Sale of Valved Single-Use Nitrous Oxide Cylinders*
- *Draft letter: Garbage and Organics Tipping Fee Increase - July 1, 2026*

4.2 Committee Coordination Updates 2:55 – 3:00 pm
For information
Designated speaker: Samantha Joy, Engagement Specialist, Solid Waste Services
- *Draft IAC Member Biographies*

5. INFORMATION ITEMS

3:00 – 3:05 pm

5.1 Regional Waste Flows
5.2 IAC 2026 Work Plan
5.3 IAC Meeting Action Tracker

Proposed agenda timings are intended to support effective meeting facilitation. Items requiring further discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Baker, Todd – Ecowaste Industries Ltd.
Bryan, Lori – WMABC
Collins, James – Tymac Launch Service Ltd.
Drissi El-Bouzaidi, Nabil – Ecowaste Industries Ltd.
Hakimé, Maya – Merlin Plastics
Hankins, Grant – Canada Minibins.com Ltd.
Johnson, Gord – Empower/ Northstar
Kaminski, Jamie – HSR Zero Waste
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McRae, Ralph – Revolution
Millman, David – WM
Muir, Wesley – Veolia Canada
Pantazopoulos, Dimitri – Waste Connections of Canada
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp, Return-It
Skei, Dayton – EverGen Infrastructure Corp.
Vargas, Pinky – Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd
Watson, Jason – JW Recycle-IT Inc.
Zarbl, Michael – Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee meeting held via Zoom teleconference from 2:00 p.m. to 4:00 p.m. on Tuesday, May 12, 2026.

MEMBERS PRESENT:

Hodge Craig, Director, Zero Waste Committee (Co-Chair)
Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Baker, Todd – Ecowaste Industries Inc.
Collins, James – Tymac Launch Service Ltd.
Hankins, Grant – Canada Minibins.com Ltd.
Johnson, Gord – Northstar
Kaminski, Jamie – HSR Zero Waste
Kheyrandish, Ataollah – Richmond Steel
Kiani, Aiden – Lock-Block Ltd
Lannin, Mike – Super Save Group
L'Heureux, Lindsay – Recycle BC
MacFarlane, Angus – Growing City
Mac Neil, Patrick – Wescan Disposal Ltd. Canada Corp.
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Millman, David – Waste Management of Canada Corporation
Pantazopoulos, Dimitri – Waste Connections of Canada
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Skei, Dayton – Evergen Infrastructure Corp.

MEMBERS ABSENT:

Abrams, Izzie – Waste Connections of Canada
Drissi El-Bouzaidi, Nabil – Ecowaste Industries Ltd.
Hakime, Maya – Merlin Plastics
Kawakami, Sean – Convertus Canada Ltd.
Ligumsky, Alan – Peak Disposal Services Inc.
Lotzkar, Jacqueline – Canadian Association of Recycling Industries (CARI)
Muir, Wesley – Veolia North America (Canada)
Punja, Rustam – Geocycle Canada Inc.
Stefenelli, Nicole – Urban Impact Recycling Ltd.
Vargas, Pinky – Republic Services
Watson, Jason – JW Recycle-IT Inc.

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Allen Jensen, Senior Project Engineer, Solid Waste Services
Chris Chong, Multimedia, Metro Vancouver
Chris Underwood, Division Manager, Solid Waste Planning, Metro Vancouver
Paul Henderson, General Manager, Metro Vancouver
Samantha Joy, Engagement Specialist, Metro Vancouver
Stephanie Liu, Manager, Community Engagement, Metro Vancouver
Zeenia Mizan, Program Assistant, Metro Vancouver
Lynne Vidler, Lead Senior Engineer, Solid Waste Operations

GUESTS:

Veronica Bartlett, Senior Solid Waste Planner, Dillon Consulting
Heidi Gerlach, Associate, Dillon Consulting
Samantha Halloran, Waste Management Specialist, Dillon Consulting

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, May 12, 2026
2:00 p.m. to 4:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 May 12, 2026 Meeting Agenda

2. MINUTES

2.1 April 7, 2026 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Source Reduction Hauler Incentive Program

For plenary discussion

Designated Speakers: Veronica Bartlet and Heidi Gerlach, Dillon Consulting

- *What are your initial thoughts on the concept of an incentive?*
- *What barriers or operational issues do you see to implementing an incentive program like this?*
- *What would be key to making this program successful? What rebate would be required to support it?*

***4.* OTHER BUSINESS**

4.1 Zero Waste Committee and Other Updates

For information

Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

- *Letter: Request for Ban on the Import and Sale of Valved Single-Use Nitrous Oxide Cylinders*
- *Draft letter: Garbage and Organics Tipping Fee Increase - July 1, 2026*

4.2 Committee Coordination Updates

For information

Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

- *Draft IAC Member Biographies*

5. INFORMATION ITEMS

5.1 Regional Waste Flows
5.2 IAC 2026 Work Plan
5.3 IAC Meeting Action Tracker
5.4 Draft IAC Member Biographies

Co-Chair Lori Bryan, called the meeting to order at 2:05 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting.

Housekeeping reminders were provided, including that the meeting was being live-streamed and the recording would be posted to the Industry Advisory Committee webpage. It was emphasized that while diverse perspectives are valued, all committee members share the responsibility of maintaining professional conduct; respectful dialogue and engagement are appreciated.

1. AGENDA

1.1 May 12, 2026, Meeting Agenda

Co-Chair Bryan reviewed the May 12, 2026, meeting agenda. No additions were made.

2. MINUTES

2.1 April 7, 2026, Meeting Minutes

Co-Chair Bryan called for any additions or changes to the Minutes of the April 7, 2026, Industry Advisory Committee meeting. No additions or changes were made.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Source Reduction Hauler Incentive Program

Paul Henderson, General Manager, Metro Vancouver,
introduced a potential hauler incentive program, to work collaboratively with haulers by incentivizing actions to encourage waste reduction and recycling among their customers. Dillon Consulting presented preliminary concepts for how the program could use incentives to improve outcomes, especially in multi-family homes, including increasing access to recycling systems, reducing electronics in the waste stream, and addressing illegal dumping through bulky item collection. These concepts are in the early stages and are being shared to generate discussion. Feedback and discussion is welcome.

Veronica Bartlett, Senior Solid Waste Planner, Dillon Consulting, shared a presentation titled, "Metro Vancouver Hauler Incentive Program." Highlights of the presentation included:

- The key objectives for a hauler incentive program include:
  - Reduce disposal of banned materials
  - Increase recycling of waste from disposal
  - Improve equity through increasing accessibility for multi-family residents to available recycling programs
  - Reduce illegal dumping of bulky waste
- Two tiers are being considered for a hauler incentive program:
  - Tier 1: Recycling and organics collection:
    - Would exempt haulers or processors from tipping fee surcharges for banned recyclable material in the garbage stream on residential and commercial waste disposed of at Metro Vancouver facilities

        - Would be open to account holders at Metro Vancouver waste facilities, including member municipalities using staff or contractors to service residential dwellings, or private haulers for whom at least one-third of their serviced accounts are from the multi-family sector
        - Propose that haulers would submit an attestation annually confirming, to the best of the hauler's knowledge, that their multi-family customers have recycling and organics collection in place where the hauler provides garbage collection, and that materials collected for recycling were not subsequently commingled with garbage and disposed of
    - Tier 2: Bulky items and electronic collections:
        - Would provide incentives through a tipping fee rebate to haulers who offer bulky item and electronics collection services to multi-family buildings for which they provide waste collection services
        - Eligibility would include being an account holder at Metro Vancouver's solid waste disposal facilities, meeting the Tier 1 program criteria, and meeting service level requirements for the Tier 2 program
        - Possible service level requirements
        - Suggested monthly reporting requirements
        - Haulers may be required to submit independent third-party audit reports to Metro Vancouver to verify program compliance and the accuracy of reported data
        - False attestations, or misrepresentations of items collected or end-of-life management, may result in removal from the program
- Program engagement included hauler interviews (small, medium, large, clean-out haulers, and charity), product stewards, and property management organizations
- Future engagement planned with the Solid Waste and Recycling Industry Advisory Committee and the Regional Engineers Advisory Committee Solid Waste Subcommittee

It was noted that if there is interest in pursuing a hauler incentive program, possible next steps may include establishing a working group to help inform the program. All members were encouraged to provide feedback or comments to Metro Vancouver at the meeting or by emailing solidwasteoperations@metrovancouver.org.

Discussion ensued, and the following questions and comments (Q/C) and *responses (R)* were captured:

Q/C: Has Metro Vancouver or Dillon Consulting evaluated potential approaches to address feedback from small and medium haulers who expressed concern that the incentive program may disproportionately benefit larger companies?

R: There is an interest in hearing more from industry representatives to explore ideas on how to address this concern.

Q/C: The intention is to offer up to 12 junk removal pick-ups for residential properties, but the volume is unknown. Do we know the estimated cost for Metro Vancouver?

R: It is suggested to pick up a maximum of four large items per household; however, members are encouraged to provide feedback on this suggestion.

R: Some municipal cost data was collected, but more research is required.

Q/C: There should be a balanced approach for all haulers to ensure the small and medium businesses are able to participate fairly.

R: The intention of this presentation was to show the potential opportunity and have the Industry Advisory Committee provide feedback.

Q/C: Which haulers were approached during the initial engagement, and why were others excluded?

R: We are unable to confirm during this meeting who was approached in the initial engagement, but there is an interest in speaking with any hauler who is interested.

Q/C: Members continually express concerns that the Industry Advisory Committee is consistently informed of ongoing work only after key decisions have been initiated. Funding has already been allocated to a consultant to develop a plan, and it is important to have discussions before external consultations begin.

R: This program is very much in the conceptual stages. There is a desire to continue discussions with the Industry Advisory Committee and others in the waste industry.

Q/C: A lot of work was put into this, and a detailed plan was presented. Additionally, selectively approaching specific groups and not being inclusive is not the right way to move forward.

R: This is not a fully developed plan, and Dillon Consulting would be available to interview anyone interested.

Q/C: What is the intention of the plan, and what do we want to accomplish?

R: The purpose of the program would be to encourage proper management of challenging materials, such as bulky items and electronics.

Q/C: Government subsidies or incentives are not always the best approach, and haulers should be allowed to compete in the market. There has been no mention of this program increasing recycling rates. The focus should be on de-incentivizing companies or penalizing them to help keep items out of the disposal stream.

Q/C: As a mid-sized company, this excludes us from this program, but there is a strong belief that we can support this work.

Q/C: Rather than complicating processes, improvements should be made to the facilities. It is hard to support this approach because there are clear gaps and a lack of transparency.

Q/C: Have we heard how it's been going in CRD, and what achievements have there been since implementation?

R: Dillon Consulting has connected with others who have similar programs, and they are currently reviewing their data and performance metrics to gain a clear understanding of their current state. An update can be provided to the Industry Advisory Committee.

Q/C: A provincial standard should be developed and implemented.

Q/C: Previously, drivers were allowed to pull things out of the load that did not belong in there.

R: This is still permitted currently, as long as it is able to be done safely. Often removal of materials from large loads cannot be accomplished in a safe manner.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Metro Vancouver, provided the following Zero Waste Committee and other updates:

- The Zero Waste Committee did not meet in May 2026
- On April 24, the Greater Vancouver Sewerage and Drainage District (GVS&DD) Board endorsed the draft Solid Waste Management Plan, and additional comments are being received before submission to the Ministry of Environment and Parks
- The GVS&DD Board approved tipping fee increases, and Metro Vancouver is drafting a letter that the industry can share with customers to communicate the upcoming changes that will be in effect July 1, 2026
- A letter titled "Request for Ban on the Import and Sale of Single Use Nitrous Oxide Cylinders" was sent to Canada's Minister of Health and Minister of Environment, Climate Change and Nature, requesting the prohibition of the import and sale of single-use valved nitrous oxide cylinders
    - Metro Vancouver staff are contacting other entities, such as local health authorities, the Retail Council of Canada, and the Federation of Canadian Municipalities, to gather support for requesting a prohibition of the import and sale of single-use valved nitrous oxide cylinders.

In response to a request for a draft hauler license to be shared with the Industry Advisory Committee, Paul Henderson stated that there is no work underway on a hauler licensing program and previous drafts were not approved. Co-Chair Craig Hodge noted that extensive engagement and consultation would be needed before producing a draft agreement.

4.2 Committee Coordination Updates

Samantha Joy, Engagement Specialist, Solid Waste Services, requested that members review the draft Industry Advisory Committee member biographies that were included in the agenda package and noted that the document will be posted to the Industry Advisory Committee webpage. A follow-up email will be sent to members who still need to submit their existing or potential conflict statements.

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 IAC 2026 Work Plan

5.3 IAC Meeting Action Tracker

5.4 Draft IAC Member Biographies

6. ADJOURNMENT

The next regular Solid Waste and Recycling Industry Advisory Committee meeting will be held on June 9, 2026.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:10 p.m.

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, June 9, 2026
2:00 pm – 4:00 pm
Zoom Teleconference

A G E N D A

1. AGENDA

1.1 June 9, 2026 Meeting Agenda — 2:00 – 2:05 pm

2. MINUTES

2.1 May 12, 2026 Meeting Minutes — 2:05 – 2:10 pm

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Waste Composition Study — 2:10 – 2:30 pm
For information and Q&A
Designated Speaker: Kelly Du, Project Engineer, Metro Vancouver

3.2 SWMP: Detailed Items — 2:30 – 3:15 pm
For discussion
Designated Speaker: Terry Fulton, Senior Project Engineer, Metro Vancouver

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates — 3:15 – 3:25 pm
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. INFORMATION ITEMS — 3:25 – 3:30 pm

5.1 Regional Waste Flows
5.2 IAC 2026 Work Plan
5.3 IAC Meeting Action Tracker

Proposed agenda timings are intended to support effective meeting facilitation. Items requiring further discussion that cannot be accommodated within the regular meeting time may be deferred to a future agenda or addressed in a specially scheduled meeting.

Committee Co-Chairs:
Director Craig Hodge, Zero Waste Committee Vice-Chair
Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada
Baker, Todd – Ecowaste Industries Ltd.
Bryan, Lori – WMABC
Collins, James – Tymac Launch Service Ltd.
Drissi El-Bouzaidi, Nabil – Ecowaste Industries Ltd.
Hakimé, Maya – Merlin Plastics
Hankins, Grant – Canada Minibins.com Ltd.
Hoffman, David – Republic Services
Johnson, Gord – Empower/ Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Group
Kheyrandish, Ata – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd.
Lannin, Mike – Super Save Group
L'Heureux, Lindsay – Recycle BC
Ligumksy, Alan – Peak Disposal Services Inc
Lotzkar, Jacqueline – Canadian Association of Recycling Industries (CARI)
Mac Neil, Patrick – Wescan Disposal Ltd.
MacFarlane, Angus – Growing City
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution
Millman, David – WM
Muir, Wesley – Veolia Canada
Pantazopoulos, Dimitri – Waste Connections of Canada
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp, Return-It
Skei, Dayton – EverGen Infrastructure Corp.
Hoffman, David – Republic Services
Von Stefenelli, Nicole – Urban Impact Recycling Ltd
Watson, Jason – JW Recycle-IT Inc.
Zarbl, Michael – Major Appliance Recycling Roundtable

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held via Zoom teleconference from 2:00 p.m. to 4:00 p.m. on Tuesday, June 9, 2026.

MEMBERS PRESENT:

Craig Hodge, Director, Zero Waste Committee (Co-Chair)
Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
Baker, Todd – Ecowaste Industries Inc.
Charles, Terry – Empower/ Northstar
Collins, James – Tymac Launch Service Ltd.
Drissi El-Bouzaidi, Nabil – Ecowaste Industries Ltd.
Hankins, Grant – Canada Minibins.com Ltd.
Hoffman, David – Republic Services
Kheyrandish, Ataollah – Richmond Steel Recycling
Kiani, Aiden – Lock-Block Ltd
L'Heureux, Lindsay – Recycle BC
Ligumsky, Alan – Peak Disposal Services Inc.
Mac Neil, Patrick – Wescan Disposal Ltd. Canada Corp.
MacFarlane, Angus – Growing City
Millman, David – Waste Management of Canada Corporation
Pantazopoulos, Dimitri – Waste Connections of Canada
Skei, Dayton – Evergen Infrastructure Corp.

MEMBERS ABSENT:

Abrams, Izzie – Waste Connections of Canada
Hakimé, Maya – Merlin Plastics
Johnson, Gord – Empower/ Northstar
Kaminski, Jamie – HSR Zero Waste
Kawakami, Sean – Convertus Group
Lannin, Mike – Super Save Group
Lotzkar, Jacqueline – Canadian Association of Recycling Industries (CARI)
Mallari, Achilles – Sierra Waste Services Ltd.
McRae, Ralph – Revolution Infrastructure Inc.
Muir, Wesley – Veolia North America (Canada)
Punja, Rustam – Geocycle Canada Inc.
Sigmund, Sandy – Encorp Pacific Canada, Return-It
Stefenelli, Nicole – Urban Impact Recycling Ltd.
Watson, Jason – JW Recycle-IT Inc.
Zarbl, Micheal – Coast Waste Management, Board member

METRO VANCOUVER STAFF:

Henderson, Paul – General Manager, Solid Waste Services
Chong, Chris – Multimedia
Du, Kelly – Project Engineer, Solid Waste Planning
Fulton, Fulton – Senior Project Engineer, Solid Waste Planning
Joy, Samantha – Engagement Specialist, Solid Waste Community Engagement
Liu, Stephanie – Program Manager, Solid Waste Community Engagement
Mizan, Zeenia – Program Assistant I, Solid Waste Community Engagement
Storry, Karen – Senior Project Engineer, Solid Waste Planning
Underwood, Chris – Division Manager, Solid Waste Planning
Vidler, Lynne – Lead Senior Engineer, Solid Waste Operations

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, June 9, 2026
2:00 p.m. to 4:00 p.m.
Zoom Teleconference

A G E N D A

1. AGENDA
1.1 June 9, 2026 Meeting Agenda

2. MINUTES
2.1 May 12, 2026 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION
3.1 Waste Composition Study
For information and Q&A
Designated Speakers: Kelly Du, Project Engineer, Metro Vancouver

3.2 Solid Waste Management Plan: Detailed Items
For discussion
Designated Speakers: Terry Fulton, Senior Project Engineer, Metro Vancouver

4. **OTHER BUSINESS**
4.1 Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5. INFORMATION ITEMS
5.1 Regional Waste Flows
5.2 IAC 2026 Work Plan
5.3 IAC Meeting Action Tracker

Co-Chair Director Craig Hodge, called the meeting to order at 2:04 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee Meeting.

Housekeeping reminders were provided, including that the meeting was being live-streamed and the recording would be posted to the Industry Advisory Committee webpage.

Co-Chair Hodge announced that Michael Zarbl, will continue as an Industry Advisory Committee member, now representing Coast Waste Management Association, noting that the Terms of Reference state reapplication is not required when a previous Industry Advisory Committee member joins a new organization.

1. AGENDA

1.1 June 9, 2026, Meeting Agenda

Co-Chair Hodge reviewed the June 9, 2026, meeting agenda. No additions were made.

2. MINUTES

2.1 May 12, 2026, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the May 12, 2026, Industry Advisory Committee meeting. No additions or changes were made.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Waste Composition Study

Kelly Du, Project Engineer, Metro Vancouver, shared a presentation titled, "2025 Full-Scale Waste Composition Study Results". Highlights of the presentation included:

- Despite an overall downward trend in compostable organics since 2021, there has been a slight increase since 2025
- Plastics have shown a consistent upward trend since 2022, and paper has seen a slight increase since 2023
- For items with a low proportion in the waste stream, such as single-use items, sample data from a small number of loads can have a significant impact on the overall calculations
- Single-use disposal is 3.3% of the waste stream by weight
- Plastic checkout bags, foam takeout containers, and foam cups are declining, while paper and plastic cups and plastic takeout containers are increasing
- In 2024, there was a methodology change as it was apparent that high counts needed to be included in the commercial sector, as they may reflect a genuine waste generation pattern
- Trends for straws and utensils influenced by the commercial/institutional sector cannot be clearly determined at this time.

Discussion ensued, and the following questions and comments (Q/C) and *responses* (*R*) were captured:

Q/C: What is the percentage of single-use items in the overall waste stream?

R: Single-use items make up 3.3% of the waste stream by weight.

Q/C: What is the action from this study? There was an assumption that moving towards reusable bags and compostable straws was the direction, and it is unclear what we are supposed to do with these findings. It's also unclear what this data has to do with regional waste planning in general.

R: This study and the resulting data shows trends over time and areas where we could focus. Specifically, it's looking at where large quantities of material in the waste stream might align with actions identified in the Solid Waste Management Plan. The study gives us data that supports our approach in the programs and initiatives we develop. The study is also important because we rely on consistent data to understand the challenges of our system and to see areas where we can make the most significant impact.

3.2 Solid Waste Management Plan: Detailed Items

Terry Fulton, Senior Project Engineer, Metro Vancouver, shared a presentation titled, "Draft Solid Waste Management Plan Detailed Items". Highlights of the presentation included:

- The draft Solid Waste Management Plan is published, and the additional comment period is open as of June 1, 2026. All additional comments will be received until August 1, 2026
- Comments collected during this time will be submitted to the Minister of Environment and Parks along with the draft plan.
- There were revisions made to the focus areas related to increasing access to organics and recycling services for multi-family residents, businesses, and institutions, as well as expanding efforts to prevent the disposal of valuable food in organics
- The regulatory and strategic approach does not specify what regulatory initiatives would go ahead, and emphasizes that any initiative being considered in future would be accompanied by a transparent and meaningful engagement process
- Strategies for different topics related to encouraging the development of new recycling infrastructure, enhancing approaches to Metro Vancouver's disposal ban program, and exploring additional long-term disposal capacity if required were shared
- Additional comments on the draft plan can be provided in the following ways: completing the online feedback form, emailing comments to zerowaste@metrovancvouer.org, or scheduling a meeting with Metro Vancouver staff.

Co-Chair Hodge reiterated that all feedback received during the various stages of the Solid Waste Management Plan's development will be included in the submission package, including feedback received during this additional comment period.

Discussion ensued, and the following questions and comments (Q/C) and *responses* (*R*) were captured:

Q/C: Specific words in the draft Solid Waste Management Plan, such as advocate, participate, collaborate, and facilitate, these don't seem like actionable items.

R: *We heard feedback from this committee after in initial draft plan was published that the language around the actions in the plan needed to be stronger and more specific. For this draft we revised the wording wherever possible to be more action oriented. The challenge is that Metro Vancouver does not have regulatory authority over all activities. In areas where we would need to rely on others, we have used wording that allows us to prioritize collaboration and advocacy.*

Q/C: Page 32 of the Solid Waste Management Plan mentions the Federal Sustainable Development Strategy and speaks to reducing waste and transitioning to zero-emission vehicles. How is that connected to the Solid Waste Management Plan?

R: *The draft Solid Waste Management Plan notes how our regional goals align with other levels of government. The Federal government has a Sustainable Development Strategy that identifies the goal of reducing waste and zero-emission vehicles. Although the draft Solid Waste Management Plan doesn't contain actions specifically related to zero-emission vehicles, the draft plan aligns with goals related to reducing waste.*

Q/C: The Industry Advisory Committee would like an update on the waste tracking program that was mentioned previously and would like to hear if there were any significant impacts or findings that impact the plan.

R: *The Smart Waste Program has been in place for a couple of years, and two annual reports are available online. The annual testing program involves placing 20 devices into residential and commercial/institutional garbage containers to observe the movement of waste around the region. Company or organization names on garbage containers are not recrded as part of the annual device testing program. The most recent report showed that all units deployed ended up at a Metro Vancouver facility. The intent of the annual testing program is to provide information on technical capability of the devices.*

There are processes that can be implemented if Metro Vancouver believes a particular company is disposing of garbage at a facility other than a Metro Vancouver or City of Vancouver facility.

Q/C: What is the purpose of hauler licensing and what kind of conditions would be imposed?

R: *Hauler licensing is not being considered at this time, but is listed in the plan as a potential future activity. If it is determined that hauler licensing could be considered (or other potential regulatory mechanisms), extensive engagement would take place before implementation. There is currently no work happening on the development of hauler licensing.*

Q/C: Having the mention of a hauler licensing program in the plan without any specific details creates some uncertainty. More information on this would be appreciated.

Q/C: Metro Vancouver's engagement process could benefit from improvements.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Metro Vancouver, provided the following Zero Waste Committee and other updates:

- The next Zero Waste Committee meeting is on Thursday, June 11, 2026, and the following reports will be shared:
  - Biennial Report, which is a requirement under the 2011 Solid Waste Management Plan and will provide a two-year update on the progress of the plan
  - Full-Scale Waste Composition Study
  - A series of Manager's Report items including
    - The British Columbia Utilities Commission granted an exemption between the City of Burnaby and Metro Vancouver on the sale of energy for the District Energy System
    - A Waste-to-Energy Facility particulate study concluded that particulate accumulation on a neighbouring warehouse roof is not the result of air emissions from the Waste-to-Energy Facility, and that metal and dioxin and furan concentrations in nearby environmental media are not significantly influenced by the facility's air emissions.
    - As part of a pilot initiative, the Langley Recycling and Waste Centre is now accepting pane glass, windows, and mirrors.

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 IAC 2026 Work Plan

5.3 IAC Meeting Action Tracker

Co-Chair Hodge noted that this was the final meeting before the summer break. Steady progress has been made on the items identified for the first quarter, and some timelines were shifted to ensure appropriate attention is given to all areas of work. It was noted that the group will shift to more operational topics once reconvened in the fall of 2026.

Industry Advisory Committee members were encouraged to submit issues or topics of interest to the Co-Chairs for future discussions.

6. ADJOURNMENT

The next regular Solid Waste and Recycling Industry Advisory Committee meeting will be held on September 15, 2026.

Co-Chair, Lori Bryan, confirmed that all feedback on the draft Solid Waste Management Plan from the Industry Advisory Committee will be included in the submission to the Province and encouraged members to provide additional feedback before August 1, 2026. They expressed their appreciation for members and wished everyone a good summer.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:54 p.m.

Appendix E

Member Jurisdiction Workshop Summaries

List of Contents
Member Jurisdiction Workshop Summary – Vision and Guiding Principles
Member Jurisdiction Workshop Summary – Idea Generation
Member Jurisdiction Workshop Summary – Options Analysis
Member Jurisdiction Workshop Summary – Initial Draft

SOLID WASTE MANAGEMENT UPDATE VISION AND GUIDING PRINCIPLES
Member Jurisdiction Staff Advisory Committees Workshop
March 30, 2023

On March 30, 2023, Metro Vancouver held a workshop with members of the Regional Engineers Advisory Committee-Solid Waste Sub-Committee, Municipal Waste Reduction Coordinators' Committee, and Regional Engineers Advisory Committee (optional) to discuss vision and guiding principles for the updated regional solid waste management plan. Twenty-four member jurisdiction staff, representing 13 member jurisdictions, participated in the workshop.



The vision and guiding principles phase of engagement sets the foundation and direction for the plan development process, by gathering feedback on values, priorities, interests, and key solid waste management considerations now and into the future.

At the March 30, 2023 member jurisdiction workshop, four key questions were presented to members:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

A summary of themes that emerged at the workshop is presented in the What We Heard section below.

Next steps include providing an update report to the Zero Waste Committee on what we have heard so far through engagement with First Nations, member jurisdiction staff, and advisory committees, followed by the launch of public engagement on vision and guiding principles. Following public engagement, Metro Vancouver will produce an engagement summary report for this phase of engagement and provide a draft vision statement and guiding principles to the Zero Waste Committee and Board for consideration.

Members are encouraged to submit any additional feedback to zerowaste@metrovancouver.org before May 31, 2023.

WHAT WE HEARD

The table below summarizes themes that emerged through the discussion, which will be taken into consideration as Metro Vancouver continues to engage on the vision and guiding principles for the updated plan.

Priority	What We Heard
Accessibility and inclusivity	Ensure all have access to waste and recycling services, including First Nations, rural residents, and all demographics, e.g. non-English language speakers, those without internet access, and all ages. Provide accessible communications to facilitate access (e.g. multiple languages or using images).
Accountability	Emphasize accountability, and ownership of responsibility from both producers, consumers and businesses to reduce waste. Empower residents to be able to make those choices.
Affordability	Understand and provide solutions to how affordability influences a person's ability to purchase durable goods that last, access reuse markets, and travel to recycling facilities.
Circular economy	Increase repair, reuse and thrifting, rental economy, and building public understanding of circular economy. Foster a cultural shift to view waste as a resource and valuing high quality of pre-owned goods and reducing single-use items.
Climate action	Assess what systems and options have the lowest climate impact.
Collaboration	Foster collaboration and partnerships between residents, multiple levels of government, industry, academia, and school districts.
Convenience and consistency	Increase convenience and harmonize services across the region, and across sectors (e.g. multi-family vs single-family).
Cost incentives	Comment on using fees and taxes to incentivize recycling over disposal.
Education	Communicate with residents about their role in waste reduction, and increasing understanding of services available. Clear and consistent messaging. Encourage sustainable purchasing practices and a cultural shift with respect to consumption. Counteract greenwashing to ensure the actions residents take are effective.
Equity	Invest in people and improve lives while pursuing a zero waste future. For example, increase equity by welcoming and recognizing the role of binners into the solid waste system. Invest in people.
Indigenous values and principles	Embed Indigenous values, such as environmental stewardship and protection.
Innovation and Technology	Transition to a green collection fleet, use clean technology, data analytics and AI to provide information on contamination, and use technology for education (e.g. mobile apps). Allow for innovation.
Product and packaging design	Advocate for quality product designs that are longer-lasting, and more circular and regenerative, allowing for easier recycling, reuse and repair and reducing barriers such as liability concerns. E.g. right to repair legislation Reduce excess packaging, often due to surge in convenient delivery practices. Allowing residents to have a choice in the amount of packaging received.



Member jurisdiction staff workshop activity: "What waste reduction, recycling and garbage disposal topics are most important, now and into the future?"

WORKSHOP ATTENDEES:

Zac Dér, City of Burnaby
Danielle Dontchev, City of Coquitlam
Shannon Hadley, City of Coquitlam
Tess Rouse, Township of Langley
Kwaku Agyare-Manu, City of New Westminster
Meghan Doyle, City of New Westminster,
Stacy Neves, City of New Westminster
Annie Dempster, City of North Vancouver
Lianne Shyry, City of North Vancouver
Caroline Jackson, District of North Vancouver
Michael Toland, District of North Vancouver
Nicola Chevallier, District of North Vancouver
Aubrey McIlwraith-Black, City of Vancouver
Charisse Metcalfe, City of Port Coquitlam
Joshua Frederick, City of Port Coquitlam
Cristy Houston, City of Richmond
Kristina Nishi, City of Richmond
Harry Janda, City of Surrey
Jeffrey Martel, City of Surrey
Christopher Combe, Township of Langley
Emily Willobee, District of West Vancouver
Kristeen DeGobbi, District of West Vancouver
Trevor Doré, District of West Vancouver
Kristian Davis, City of White Rock

Solid Waste Management Plan Update: Idea Generation
Member Jurisdiction Workshop
Friday, November 15, 2024
Anvil Centre, New Westminster

Attendees:
Andrea McKenzie, City of Vancouver
Brynn Doeleman, City of Chilliwack
Caroline Jackson, District of North Vancouver
Cathy Shu, City of Chilliwack
Chris Combe, Township of Langley
Cristy Houston, City of Richmond
David Lee, City of New Westminster
Emily Willobee, District of West Vancouver
Erik Schmidt, City of Burnaby
Harry Janda, City of Surrey
Jeffrey Martel, City of Surrey
Kristeen DeGobbi, District of West Vancouver
Kristina Nishi, City of Richmond
Lianne Shyry, City of North Vancouver
Linh Huynh, City of Richmond
Mallory Palliyaguru, Township of Langley
Megan Jones, City of New Westminster
Melanie Mewhort, District of West Vancouver
Michelle Harris, City of Vancouver
Monica Kosmak, City of Vancouver
Nichelle Cameron, City of Coquitlam
Nicola Chevallier, District of North Vancouver
Noel Reck, City of Coquitlam
Ryan Biehl, City of Delta
Sarah Gleboff, City of Surrey
Shannon Hadley, City of Coquitlam
Sophie Goodman, District of North Vancouver
Wes Mason, City of North Vancouver
Zac Der, City of Burnaby

Metro Vancouver is updating its regional solid waste management plan, building on the strengths of the current plan and identifying ways to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and advance a circular economy. Metro Vancouver is currently in the idea generation phase of engagement. On November 15, 2024 Metro Vancouver held a workshop with member jurisdiction staff. Members of REAC, REAC Solid Waste Sub-Committee, and the Regional Waste Reduction Coordinators Committee were invited. In addition, some member staff not represented on the committees attended the workshop.

Discussions were facilitated at table groups on each of seven key topics. Members chose their topic of interest and engage in three rounds of discussion. Responses and feedback received at the workshop are summarized below. Overall, there was much support for developing consistent approaches across the region, in priority sectors such as multi-family residences. Education and communication were priority actions, particularly using innovative methods like artificial intelligence. Ideas for increasing convenience included introducing flexible plastic collection for recycling, and increasing mobile recycling depots. Systemic issues were discussed such as expansion of extended producer responsibility programs to include new materials, cultural shifts in behaviour, additional regulations for producers of packaging, and advocacy at the provincial and federal levels. Feedback received during the idea generation phase will be assessed in the subsequent phase: options analysis.



SUMMARY OF FEEDBACK:

Discussion topic 1: As Metro Vancouver updates the plan, what ideas and actions can build on our success to **rethink and prevent waste in the first place**?

Education

- Education for public, including youth and businesses, to encourage repair and reuse first, and purchasing durable, long-lasting products. Tailor education by learning where people struggle
- Leverage affordability concerns to motivate the movement away from a disposable culture
- More education particularly for multi-family residences; toolkit and workshops
- Clarity on recycling streams, particularly plastics; complicated system is too overwhelming

Waste Prevention

- Focus on waste prevention in the commercial/institutional sectors
- Design new buildings with deconstruction in mind
- Equity: address the current trade-offs related to affordability and consumption

Reuse and Repair

- Increase opportunities for residents such as repair cafes
- Large-item pick-up programs to address limited reuse options for items like furniture recycling
- Address over consumption of reusable bags, now that plastic bags are banned
- Encourage more residents, businesses, and NGOs to consider reuse and repair
- Reuse markets for wood – discuss role of local government

Regulatory

- Regulations on low quality/durability products, while maintaining affordability
- Regulations to reduce hard to recycle products and excessive packaging (such as delivery boxes)
- Advocate for reuse regulations, right-to-repair legislation, and reuse standards for products

Incentives

- Rewards or recognition for reducing waste
- Increase consumer confidence in cup share programs through reuse certifications
- Incentives for haulers to work with customers to recycle and reduce
- Pay-as-you-throw, without causing an unintended increase in illegal dumping

Research and data

- More research to make the case for reuse and repair, such as quantifying climate benefits, identifying additional benefits like community-buy in, etc.
- Bet er data on reuse and repair progress, as well as mapping of reuse and repair services
- Life cycle analysis to understand the persistence of materials like plastics in the environment
- More transparency from junk removal companies (where do products go)

Other

- EPR program for textiles
- Collect flexible plastics at the curb
- Use clear plastic bags to discourage recyclables in the garbage

Discussion topic 2: As Metro Vancouver updates the plan, what ideas and actions can build on our success to **enhance accountability for eliminating waste**?
What we heard

Reduce

- Reduce overall garbage collected by reducing number or size of garbage carts
- Goal: reduce total overall waste rather than per capita; incorporate climate targets such as scope 3 consumption-based GHG emissions for food, building waste
- Education and promotion of waste reduction and reuse in the construction industry by fostering innovative designs

Reuse

- Update regulations to require QR codes on products that lead to information about how to recycle or repair the product
- Create framework for building disassembly and reuse
- Standardized labelling that shows climate impact of a product and ways to recycle or reuse when the product life is over

Recycle

- Incentivize organics and recycling programs, such as through discounted municipal rates for recycling v.s. garbage; bundle recycling/garbage services together
- Collaborate with industry to educate multi-family residences to reduce contamination
- Engage with housing and development entities
- Increase accessibility to drop-off locations – increased convenience will change behaviour
- EPR programs can collaborate with industry to create opportunities to drop-off recycling at the same location as point of purchase
- ECO fees embedded into the cost of products instead of shown as an additional fee
- Recycle BC provide more transparent data and work closely with municipalities to achieve waste reduction in multi-family residences
    - Recycle BC direct service to multi-family buildings has been a success, but jurisdictions have no access to information about how these programs are performing

Other

- Increase frequency of waste audits – this will help increase accountability
- Enhance public education and promotion of need for accountability

Discussion topic 3: As Metro Vancouver updates the plan, what ideas and actions can build on our success to **leverage knowledge and expertise through collaboration**?
What we heard
Key collaborators • Collaboration with non-profit organizations, schools, and youth organizations to help implement the solid waste management plan • Focus discussions among municipalities to advance specific priority areas (e.g. multi-family sector waste reduction, construction and demolition) • Collaboration with academia on climate issues and consumer behaviour change *Research and data* • Platform for data sharing and reporting between member jurisdictions to improve coordination; library of case studies; dedicated working sessions; guest speakers from outside of the region. • Explore how to measure the success of collaborations (e.g. reuse days tonnages, number of items repaired at repair cafes) • Research and keep up to date with emerging non-profits that bring new technology, programs, or capacity for collaborations *Other* • Respond to impacts of housing densification • Provide language support/translation for programs, bylaws, etc. • Metro Vancouver take the lead on advocating for policy change with senior levels of government, with support from member jurisdictions

Discussion topic 4: As Metro Vancouver updates the plan, what ideas and actions can build on our success to **increase participation and reduce contamination in organics and recycling programs**?
What we heard
Depots • Eliminate barriers to accessing depots (e.g. a vehicle is often required to access) • Expand the return-to-retail drop-off network, to improve accessibility and convenience (collaborate with businesses) *Multi-family Residences* • Leverage artificial intelligence to increase accountability at multi-family residences by installing cameras on container lids or in recycling rooms; address potential privacy concerns; streamline practices for multi-family across the region • Incentives are preferred over penalties – financial incentives, rebate, grant programs specifically for multi-family • Provide hands on education/presentations to multi-family property managers and strata • Set guidelines for garbage/recycling rooms • Develop a best practices guide for multi-family; work with property managers

Contamination

- Ensure frequency of recycling pick up is sufficient, to reduce contamination in bins
- Reduce garbage collection frequency to increase participation in other streams
- Increase enforcement for businesses
- Enforcement at point of collection; introduce penalties as a financial disincentive; consider region-wide penalties for consistency
- Lack of understanding, constant changes in programs, accessibility, and other factors contribute to contamination
- Use artificial intelligence to monitor contamination
- Bet er metrics required to enable incentive programs
- Simplify recycling. Recycle BC to provide clear information on materials accepted province-wide

Organics

- Allow one type of compostable plastic, to increase organics recycling participation while addressing the issue of plastic contamination in the organics stream
- Bet er regulate labelling of compostable plastics
- Leverage social media for positive messaging; create reels about the journey of organics from the bin to the finished compost product
- Restrict the sale of compostable plastic

Discussion topic 5: As Metro Vancouver updates the plan, what ideas and actions can build on our success to **promote confidence in recycling systems**?

What we heard

Education/Messaging

- Support schools to provide education on where materials end up
- Amplify messages on what happens to recyclables; example is collaborating with C&D and recycling processing facilities to produce videos or organize tours for the public
- Provide resources for small businesses
- Expand the types of platforms used for education through social media – to counteract messaging promoting skepticism on platforms that governments currently aren't using (e.g. Tiktok)
- Educate on roles of different levels of government – as residents don't understand who is responsible for what
- Demonstrate what happens to recycling – this has worked with compost giveaways that tell the story of where compost comes from

Extended Producer Responsibility

- Collaborate with Recycle BC to more effectively share data, thus increasing transparency and promoting confidence

- Educate about extended producer responsibility as not everyone understands it
- Advocate to provincial government to require extended producer responsibility organizations to budget for education on confidence/awareness of their programs
- Advocate for a simpler system where a single EPR agency is responsible for recycling; complexities of the system make it difficult to explain

Discussion topic 6: As Metro Vancouver updates the plan, what ideas and actions can build on our success to **expand inclusive programs and services**?

What we heard

Education

- Translations and diagrams on educational materials and curbside calendars
- Physical brochures rather than QR codes to overcome technological barriers
- Workshops for newcomers, those who speak a different language, and different age groups including children. Promote where people already are, such as places of worship, community centres, community events, schools, etc.
- Artificial intelligence or chatbots to educate on identifying and sorting materials
- Library programs to educate on sorting waste

System

- Enhance large item pick-up, special collection services – to overcome barrier of needing to transport materials to facilities
- Harmonization of how waste/recycling is collected in the region
- Identify gaps in service across the region for accessibility
- Identify industrial lands available to support new facility/depot development
- Improve access by introducing mobile recycling centres in multi-family neighbourhoods; Distributed drop off locations in hubs, such as Drop-off events; collect in places where people are already gathering
- Permanent repair cafes
- Requirements on the type and amount of bins for construction sites; focus on wood

Research

- Investigate how to maximize low-barrier employment opportunities in roles that support waste reduction
- Research barriers for people to access programs, such as newcomers; work with organizations already working with these demographics to conduct this research

Discussion topic 7: As Metro Vancouver updates the plan, what ideas and actions can build on our success to **plan for future infrastructure and systems for waste management across the region**?
What we heard

Reuse

- Expand reuse across the region, for example making space available for reuse operations/organizations on-site.

Facility technology and setup

- Secondary screening/separation at the tipping floor to remove recyclables.
- Incorporate new technology where possible throughout the facility to enhance customer experience and operational performance, such as artificial intelligence in recycling depots – to help improve data transparency and visibility on contamination.
- There are limited options for recovering C&D waste -- either take an enhanced role at receiving additional C&D waste for recycling at facilities or investigate where the private sector can help fill in the gaps in the system.
- Expand capacity at recycling depots to receive more recyclables from businesses and municipalities (allowing larger loads and higher limits).
- Mobile or satellite recycling depots for small-scale multi-unit housing (i.e., helping system adapt to recent provincial legislative changes re: housing density).

Ownership of facilities

- Benefit of Metro Vancouver solid waste facilities includes disposal ban program, important that Metro Vancouver maintain ownership of the facilities.
- Private facilities – complaints about inconsistencies of levels of services offered at private recycling (e.g. EPR supported depots) and disposal facilities – difficult/inconvenient for customers to travel to various facilities with variable operating hours and acceptance of materials in order to drop off all recyclables.
- Continue to upgrade or replace existing facilities and build new facilities where/when warranted.
- Review procurement best practices, e.g. reclaimed materials in new construction of facilities.

Facility availability and accessibility

- Affordability concerns with residents cost of transporting and delivering waste; Local recycling and disposal options can help with rising costs
- "Free waste drop-off" events to help reduce illegal dumping and promote awareness of drop-off options.
- Increase accessibility to services for those who face transportation barriers.
- Map out regional locations of facilities to identify where to plan future facilities based on demographics and zoning.

Land Use

- Preserve light industrial land supply or plan ahead to acquire lands for future facilities.
- Protect industrial zoning designations, to facilitate investment and encourage recycling start ups.

Solid Waste Management Plan Update: Options Analysis
Member Jurisdiction Workshop

Monday, October 6, 2025
Metro Vancouver – 4515 Central Boulevard, Burnaby
23 Floor, 2809 Conference Room

Attendees:

Caroline Jackson, District of North Vancouver
Chris Combe, Township of Langley
Cristy Houston, City of Richmond
David Lee, City of New Westminster
Eric Schmidt, City of Burnaby
Jeffrey Martel, City of Surrey
Jon McDermott, City Vancouver
Karyn Magnusson, City of North Vancouver
Kristeen DeGobbi, District of West Vancouver
Kristina Grozdanich, City of Richmond
Kyle Simpson, City of Port Coquitlam Lianne
Shyry, City of North Vancouver
Linh Huynh, City Richmond
Meghan Doyle, City New Westminster
Michelle Harris, City of Vancouver
Nicola Chevallier, District of North Vancouver
Sarah Gleboff, City of Surrey
Shannon Hadley, Township of Langley
Tom Madigan, District North Vancouver
Trevor Doré, City of West Vancouver

Metro Vancouver Staff

Allen Jensen
Brooke Atkinson
Chris Underwood
Conor Reynolds
Joanne Gaucci
Karen Storry
Paul Henderson
Stephanie Liu
Terry Fulton
Zeenia Mizan

Metro Vancouver is updating its regional solid waste management plan, building on the strengths of the current plan and identifying ways to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and advance a circular economy. Metro Vancouver is currently in the options analysis phase of engagement. The objective of this phase is to help determine what strategies and actions to include in the draft solid waste management plan.

On October 6, 2025, Metro Vancouver held a workshop with member jurisdiction staff. Members of REAC, REAC Solid Waste Sub-Committee, and the Regional Waste Reduction Coordinators' Committee were invited. The purpose of the meeting was to provide an opportunity for engagement on potential strategies and actions for the updated plan. Discussions took place at six table groups on potential strategies and actions falling under each of the first four 'R's' (Rethink, Reduce, Reuse, Recycle):

- Rethink
- Reduce
- Reuse (Reuse, Refill, Repair)
- Reuse (Built Environment and Food)
- Recycle (Infrastructure and Programs)
- Recycle (Education)

A plenary discussion took place on actions under Recover, as well as a list of ideas from the previous phase that staff consider unadvisable.



SUMMARY OF FEEDBACK

Below are highlights from feedback at the workshop, categorized by the small group topics at the workshop. Detailed notes were recorded to capture all feedback related to the actions and Metro Vancouver will consider each comment as the actions are further revised and updated.

In addition to general discussion, small groups participated in a scoring exercise to prioritize actions for inclusion in the updated solid waste management plan. The scoring, while not considered as a vote or a final decision-making tool, reflected participants' initial thoughts around prioritization and the results are presented below.

General comments
• Request that member jurisdiction actions do not commit member jurisdictions but rather include some degree of flexibility for members to implement where appropriate. Suggest similar wording on all member actions to ensure this is clear. • Appreciation for engagement with member jurisdictions on each aspect of the plan update • Member jurisdictions have a role in actions beyond just the specific member jurisdiction actions. Sometimes it is unclear why only certain actions were identified as 'member actions' • Actions can be edited to be more specific, less wordy, and in some cases combined/consolidated (e.g. similar actions for different sectors) • Suggestion to organize the plan by sector • Emphasize regulation and enforcement • Consider each action as its own mini project: it should have a defined start and finish with a measurable outcome

RETHINK
• Important to emphasize we are leading by example and will share learnings from corporate waste prevention policies and programs broadly. • Identify how the actions are different from current practice. Note actions already taking place. • Do not focus on only one sector when sharing success stories to promote waste prevention • For advocacy be clear and specific what we are advocating for and who we would be advocating to

- Support for ID091 (methods for reporting environmental benefits for waste prevention actions) and ID097 (reporting by material type on all levels of the hierarchy)
- Need to emphasize more regulation as opposed to voluntary measures. Education is important but needs to be accompanied by incentives and regulations.
- Need more focus on supporting businesses, including construction and demolition sector
- When referring to collaborative research projects, identify examples of who would be involved
- Consider keeping actions focused on circular economy as opposed to referencing specific sectors.
- Consider how to be bolder and more measurable with circular economy actions and commitments.
- Consider how to build more of an economic development lens or focus to the actions.

Scoring for Strategy 1.2 Support the transition to a more circular regional economy through waste prevention

Action ID	Score (priority for inclusion in plan)	Action ID	Score (priority for inclusion in plan)
ID088	15	ID011	8
ID016	12	ID012	0
ID079	12	ID070	0
ID007	11		
ID014	11		

REDUCE

- Related to facilitating locations for waste reduction businesses, there needs to be more clarity on what the municipality would be doing – participating v.s. providing the space
- Related to zoning and development bylaws: suggest stronger language on what the expectation is, while ensuring members can choose whether they can implement the action.
- Municipalities can host workshops (in addition to Metro Vancouver)
- Several actions related to construction and demolition can be combined, as well as actions all related to convening sectors and sharing information.
- Construction and demolition action should have a corresponding municipal action to support
- Refrain from using examples – ID161 don't single out business licences as an example.
- Including requirements on business licence applications is challenging and not practical
- Pursue EPR for ICI sector. Local governments can facilitate and educate, not enforce
- Consider mandatory source separation as a solution for businesses
- Instead of in-person education, create resources like videos and toolkits, or attend existing events
- Developing tools for business would be much easier if rules and systems were harmonized across municipalities. The first step is to align/harmonize.

- Barrier for business is not education – regulation is required as businesses make changes if there is a requirement or if there is a financial incentive.
- Consider inspections at the business level, rather than only at disposal facilities.
- Technology to enhance disposal bans makes sense, but remove reference to clear bags.
- Include the criteria that would be used prior to expanding the types of materials included in disposal bans. Remove textiles as an example
- Rather than Metro Vancouver providing incentives to haulers to provide recycling services, perhaps we can collaborate with EPR organizations
- Review and refresh existing behaviour change campaigns such as Food isn't Garbage.
- In addition to multi-family residents, reach out to property managers, stratas, and haulers.

Scoring for Strategy 2.1 Collaborate with businesses and institutions to reduce waste at the source

Action ID	**Score (priority for inclusion in plan)**	**Action ID**	**Score (priority for inclusion in plan)**
ID043	38	ID008	33
ID062	38	ID002	28
ID040	38	ID100	22
ID161	35	ID006	13
ID162	33	ID101	11

Scoring for Strategy 2.4 Enhance approaches to Metro Vancouver's disposal ban program

Action ID	**Score (priority for inclusion in plan)**
ID105	17
ID108	14
ID106	10
ID107	4

REUSE (Reuse, Refill, Repair)

- Prompt action on including reuse requirements to the regionally harmonized approach for single-use item reduction bylaws – things can be done now already
- Focus less on the 'how' (e.g. workshops) and more on the 'what' (e.g. develop home relocating and deconstruction bylaws)
- Emphasize collaboration in the actions
- Municipalities require support from Metro Vancouver to implement reusable food service ware guidelines at public events and facilities (particularly with data from waste composition).
- Not all civic facilities are directly serviced by the city which adds challenges to implementing reuse.
- Support for expanding reuse options at recycling and waste centres; and also encourage reuse drop-off at municipal depots.
- Unsure of feasibility of a regional-scale reusable food service ware system. Efforts may be better directed to other reuse projects.
- Support for working with libraries to donate and recycle books.
- Provide more details on what incentives could be provided to the ICI sector to implement refill/reuse systems
- Low support for 'reuse mall' idea as online marketplace is more successful
- General support for 'library of things', but note that not all libraries are run by municipalities
- For mapping repair, lean on existing tools/maps/databases currently run by others

Scoring Group 1 (across multiple strategies)

Action ID	Score (priority for inclusion in plan)	Action ID	Score (priority for inclusion in plan)
ID034	15	ID057	15
ID063	15	ID082	13
ID163	15	ID032	11
ID056	15	ID033	10
ID166	15		

Scoring Group 2 (across multiple strategies)

Action ID	Score (priority for inclusion in plan)	Action ID	Score (priority for inclusion in plan)
ID034	15	ID066	10
ID063	15	ID055	10
ID163	14		
ID082	13		
ID033	10		

REUSE (Built Environment and Food)

- Actions need to be more tangible and measurable, but not so specific as to become irrelevant due to changes in the sector
- Several actions re: reuse in the built environment can be combined, examples can be listed to provide necessary context
- There are issues with what is currently practical in this sector; a lot of work needs to be done to lay the groundwork before encouraging residents to use reused building material
- Consider regular meetings with construction and demolition sector representatives to move forward collaborative actions

Scoring for Strategy 3.2 Increase reuse of used building materials

Action ID	Score (priority for inclusion in plan)	Action ID	Score (priority for inclusion in plan)
ID037	23	ID035	N/A
ID046	23	ID036	N/A
ID039	N/A		
ID045	N/A		
ID038	N/A		

RECYCLE (Infrastructure and Programs)

- Consider a broader action related to research on improving recyclability, rather than specifically on plastic-lined paper products
- High support for advocating for additional materials to be added to EPR
- Some EPR related actions can be combined/consolidated
- Suggest a separate section for actions that help reduce barriers and increase accessibility
- Consider use of AI for better analysis of litter and illegal dumping data

Scoring for Strategy 4.1 Promote design for recyclability and the use of recycled content in products and packaging

Action ID	Score (priority for inclusion in plan)	Action ID	Score (priority for inclusion in plan)
ID110	13	ID113	5
ID112	12	ID109	0
ID114	12 *adjusted to normalize for one additional participant		
ID111	9		

ID115	9		

Scoring for Strategy 4.2 Enhance EPR programs

Action ID	Score (priority for inclusion in plan)	Action ID	Score (priority for inclusion in plan)
ID116	15	ID120	3
ID118	15		
ID064	12		
ID117	12		
ID121	11		

Scoring for Strategy 4.3 Encourage the development of new recycling infrastructure

Action ID	Score (priority for inclusion in plan)
ID122	12
ID124	12
ID044	11
ID123	3

Scoring for Strategy 4.8 Prevent litter and illegal dumping through public space recycling initiatives

Action ID	Score (priority for inclusion in plan)
ID175	20
ID176	16
ID174	10
ID178	Low priority
ID177	Low priority

RECYCLE (Education)

- Consistency in materials accepted across the region makes sense, but who would be streamlining contracts for all member jurisdictions – i.e. how can this action be implemented
- Support for standardized signage
- Centralized information sources can be challenging as information may differ between jurisdictions – because of this, a centralized information source may add confusion
- Metro Vancouver setting clear multi-family space guidelines would help with consistency across the region. RecycleBC should be involved in this conversation.

- Digital tools for communication are important but budget is often a barrier. It would be helpful for Metro Vancouver to lead this; however, also consider that there are differences in programs across municipalities so this may not be practical.
- Recycle BC should be involved in the conversation on streetscape interventions
- Standardization in public spaces is an important role for Metro Vancouver
- Actions that don't describe 'how' are too vague – for example providing clear guidelines on what can and cannot be recycled (this needs to be more specific)
- Need more clarity on how those who recycle well would be 'rewarded' (ID132)
- Several actions under strategy 4.5 are similar and may be combined
- Consider role of property managers in the actions related to multi-family and commercial sectors
- Adjust language to put more responsibility on producer responsibility organizations
- Review data on current use of backyard and worm composting bins to assess whether this is still relevant to include, as most homes in the region have access to curbside organics collection
- Related to gamification: there could be a benefit in a central resource rather than multiple organizations developing their own; research effectiveness of gamification first
- Consider Recycle BC's role where relevant, in actions related to residential recycling education
- Actions related to piloting technologies and AI can be combined

Scoring for Strategy 4.5 Make recycling easier and more effective by reducing confusion and improving convenience

Action ID	Score (priority for inclusion in plan)	Action ID	Score (priority for inclusion in plan)
ID142	17	ID131	11
ID141/138	17	ID133	11
ID139/137	16	ID140	10
ID132	14	ID135	10
ID134	11	ID136	6

Scoring for Strategy 4.6 Target recycling education

Action ID	Score (priority for inclusion in plan)	Action ID	Score (priority for inclusion in plan)	Action ID	Score (priority for inclusion in plan)
ID150	15	ID155	15	ID151	7
ID149	15	ID146	14	ID130	2
ID147	15	ID148	12		
ID154	15	ID152	12		
ID144	15	ID145	11		

Solid Waste Management Plan Update: Initial Draft Member Jurisdiction Workshop

Monday, February 9, 2026
Metro Vancouver – 4515 Central Boulevard, Burnaby
28 Floor, 2809 Conference Room

Attendees:

Alexandra Wiens, City of Delta
Bo Ocampo, District of North Vancouver
Caroline Jackson, District of North Vancouver
Cristy Houston, City of Richmond
David G Lee, City of New Westminster
Emily Willobee, District of West Vancouver
Erik Schmidt, City of Burnaby
Erin Blaney, City of Langley
Jeffrey Martel, City of Surrey
Kristina Nishi, City of Richmond
Kyle Simpson, City of Port Coquitlam
Linh Huynh, City of Richmond
Lucas Kelsch, City of North Vancouver
Michelle Harris, City of Vancouver
Nichelle Cameron, City of Coquitlam
Queenie Wong, City of Delta
Shannon Hadley, Township of Langley
Stacey Neves, City of New Westminster
Tom Madigan, District of North Vancouver
Trevor Doré, District of West Vancouver

Metro Vancouver is updating its regional solid waste management plan, building on the strengths of the current plan and identifying ways to further reduce waste, increase recycling, reduce greenhouse gas emissions, and advance a circular economy.

On February 9, 2026, Metro Vancouver held a workshop with member jurisdiction staff to receive feedback on the initial draft solid waste management plan. Members of REAC, REAC Solid Waste Sub-Commit ee, and the Regional Waste Reduction Coordinators' Commit ee were invited. Prior to the meeting, Metro Vancouver polled members to identify priority parts of the plan for small group discussion. Final small group topics were:

- Member actions
- Strategic approaches
- Targets and metrics
- Dispose actions



SUMMARY OF FEEDBACK

Below are highlights from feedback at the workshop, categorized by the small group topics at the workshop. Detailed notes were recorded to capture all feedback related to the initial draft plan and Metro Vancouver will consider each comment as the draft is revised in preparation for providing to the Zero Waste Commit ee and GVS&DD Board. Following Board approval, there will be an additional opportunity for comment prior to submission of the draft to the Minister of Environment and Parks for approval.

MEMBER ACTIONS
Member feedback: • Inconsistency in how member actions are displayed. Preference for member actions to be separated so they are visually distinct from the other actions in the plan and easy to find, and note what type of intervention is represented (e.g. regulation, education, business change) • Some supported current wording in the plan whereas others felt member jurisdiction roles are too voluntary, and that language could be strengthened. Discussion that a balance must be struck so that the actions are not prescribing actions but serve as a guide. • Question whether there is a municipal action related to food waste • Note that member action on recycled concrete (4.1.2) could be broader to include other materials • Actions should drive collaborative work and sharing between members, to help increase consistency across the region • Support for Action 2.1.7 as commercial and institutional waste is the biggest opportunity, but also flagged as difficult to measure at a local level • Support for Strategy 4.4 and 4.5 on improving recycling convenience and education • Support for maintaining and enhancing behaviour change campaigns, developed by Metro Vancouver and amplified by member jurisdictions • Comment to expand the actions around reuse, beyond just reuse at recycling and waste centres. For example, one municipality is collecting furniture for reuse • Could we relate member actions to targets, noting potential impact? • Request for breakdown of what will make the biggest impact and relate to cost (aim for maximum impact and low investment first) • After plan is approved, develop a summary table to aid with implementation

STRATEGIC APPROACHES
(Regulatory, Recycling and Waste Centre, Residual Management)

Member feedback:

- Need for clearer regulatory strategies
- Importance of managing construction and demolition materials, including recycled aggregates
- Municipalities need to be able to leverage plan actions to drive local progress
- Working well: inclusion of regulatory strategy, education actions related to recycling including multi-family, alignment of the approaches with regional district authority, and innovation strategies are appreciated
- What's missing:
    - Clear timelines for implementation, especially for mandatory source separation
    - Stronger regulatory strategy overall, including more explicit regulatory tools (e.g. Hauler licensing, generator-level requirements)
    - Clear connection between regional actions and other government level responsibilities
    - Mechanisms for benchmarking and tracking progress that can be adopted by members
    - More discussion of advocacy in the strategies and actions
- What needs to be strengthened:
    - Collaboration with and reliance on other regulatory bodies
    - Clearer articulation of actions that fall within regional authority
    - Stronger regulatory tools
    - More emphasis on high-impact actions and quick wins
    - Clarity on regional processing capacity for organics and construction and demolition
    - Stronger language in general for firmer commitments
    - Educational components to accompany regulatory changes
- Desire for regulatory options that put pressure on manufacturers
- Interest in replicating successes similar to the organics disposal ban
- Accessibility concerns need to be considered, such as placement of bins
- Suggestion to highlight where readers can find actions by other levels of government

TARGETS & METRICS

Member feedback:

- Interest in aligning with municipal metrics and targets where they exist
- Many municipalities rely on regional targets and metrics as they do not have local versions
- Agreement that the targets feel ambitious but achievable, and even if targets are aspirational, they help the region to progress

TARGETS & METRICS

- Support for per-capita targets
- Request for more information on specific pathways (e.g. actions) to achieve targets. How were targets calculated, and describe supporting analysis
- Suggest a visual tool or dashboard to track progress towards targets
- Responsibility cannot rest solely on consumers or education efforts
- Suggest having specific by-sector targets, such as single-family, multi-family, commercial, to help municipalities understand where to focus efforts
- Measuring progress is challenging as municipalities do not have access to the necessary data locally
- Need to determine who will be supplying data for secondary metrics, and what the responsibility of municipalities will be in collecting that data. Concern about workload and added costs for municipalities to track new metrics.
- Suggested modifying the secondary metrics on single use items and food waste to include metrics on the amount found in recycling/organics, to continue to push up the waste hierarchy to waste prevention rather than simply recycling.
- Suggestion that secondary metrics should clarify whether it is the number of buildings or number of units (for construction and demolition materials reuse)
- Interest in exploring technology such as AI to improve data collection, as measuring performance remains a major challenge

DISPOSE ACTIONS

Member feedback:

- In Action 6.1.1 remove reference to greenhouse gas emission offsets, focus on maximizing landfill gas utilization
- Consider enhanced actions to address illegal dumping, particularly in relation to it as a member jurisdiction action/role
- Support for high level actions under dispose
- Action 6.4.4 – Remove reference to City of Vancouver as that appears to have been included in error
- Suggest an action to ensure there are easily accessible options for residents to dispose or recycle challenging materials such as drywall
- Suggest member action to expand large item pick up programs
- Amend Action 6.6.5 to include illegal dumping of construction and demolition waste
- Include definition of international waste in the glossary
- Need more specifics about the education component for residents to recycle large items as illegal dumping often becomes the alternative. Touched on in 3.2.5 but not specific to education.
- It is confusing that some member actions are separated out while other actions that are not designated member actions still involve collaboration with members

Appendix F

Neighbouring Regional District Meeting Notes

List of Contents
Neighbouring Regional District Meeting Notes – Vision and Guiding Principles
Neighbouring Regional District Meeting Notes – Idea Generation
Neighbouring Regional District Meeting Notes – Options Analysis

SOLID WASTE MANAGEMENT UPDATE VISION AND GUIDING PRINCIPLES

Neighbouring Regional Districts Meeting

July 26, 2023

On July 26, 2023, Metro Vancouver held a meeting with staff members of adjacent regional districts to discuss vision and guiding principles for the updated regional solid waste management plan. There were representatives from four regional districts in attendance including the Fraser Valley Regional District, Squamish-Lillooet Regional District, Sunshine Coast Regional District, and Okanagan-Similkameen Regional District.



The vision and guiding principles phase of engagement sets the foundation and direction for the plan development process, by gathering feedback on values, priorities, interests, and key solid waste management considerations now and into the future.

At the July 26 meeting, four key questions were presented to regional district representatives:

1. What waste reduction, recycling and garbage disposal topics are most important, now and into the future?
2. List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.
3. The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?
4. Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

A summary of themes heard at the meeting is presented in the What We Heard section below. Note that the feedback presented here is meant to highlight key themes from the discussion. Detailed discussion notes are being retained as part of the full engagement record, and comments will be included in feedback logs as part of an engagement report at the end of this phase on vision and guiding principles. Comments will not be attributed to specific individuals.

Next steps include the launch of public engagement on vision and guiding principles. Following public engagement, Metro Vancouver will produce an engagement summary report that will include feedback from member jurisdiction staff, advisory committees, regional districts, interested parties, and the public. This feedback, along with input from First Nations, will help inform a draft vision and guiding principles statement to be presented to the Zero Waste Committee and Board for consideration.

Regional District representatives are encouraged to submit any additional feedback to zerowaste@metrovancouver.org.

WHAT WE HEARD

The table below summarizes themes that emerged through the group discussion, which will be taken into consideration as Metro Vancouver continues to engage on the vision and guiding principles for the updated plan.

Priority	What We Heard
Accessibility, inclusivity, equity	• Standardize services across large geographic regions, including providing equal services to areas with fewer residents • Solutions for construction waste (drywall, asphalt shingles, gypsum) in smaller communities
Circular economy	• Partner with and support organizations that encourage and facilitate circularity
Collaboration	• Explore opportunities to collaborate between districts to manage with construction waste • Share campaign materials, collaborate on public education
Data and metrics	• Metrics are important – agreement on how to measure and data collection between districts would be useful • Stop counting use of alternative fuel at cement plants in recycling data
Disposal Options	• Move away from the incineration of waste • Plan ahead for landfill capacity issues • Solutions for mattress and bulky item recycling/disposal
Education and Behaviour Change	• Strategies for education and signage to reduce contamination of recyclable materials • Streetscape bins – better design and management, and education on use • Consistent definitions of what is recycling vs. disposal • Education campaigns aimed at businesses, tourists, and residents not familiar with waste diversion programs • Shift public perspective on what is considered waste
Environmental stewardship	• Environmental protection should be top of mind in everything we do
Forward Planning	• Ensure we're not replacing one problem with another – research alternatives to ensure no adverse results (e.g. alternatives to plastics may also introduce harmful chemicals into the environment)
Regulation and Policy	• Expand EPR programs to reduce costs of waste disposal and recycling (e.g. mattresses, furniture, drywall) • Empower communities with rights to clean up illegal dumping on sites that are federally or provincially managed • Federal input into what is being used as replacements for single use items
Waste Reduction	• Food waste program expansion is a priority for some regional districts

MEETING ATTENDEES

Andrea Patrao, Sunshine Coast Regional District
Andrew Reeder, Regional District of Okanagan-Similkameen
Dustin Zahara, Regional District of Okanagan-Similkameen
Lance Lilley, Fraser Valley Regional District
Marc Sole, Sunshine Coast Regional District
Marie-Lou Leblanc, Squamish-Lillooet Regional District

Solid Waste Management Plan Update: Idea Generation
Neighbouring Regional Districts Discussion Session
Wednesday, November 13, 2024
Virtual Meeting

Meeting Attendees:

Lance Lilley, Fraser Valley Regional District
Carolynn Lane, Fraser Valley Regional District
Marc Sole, Sunshine Coast Regional District
Vanessa Lafontaine, Squamish-Lillooet Regional District
Adriana Mailloux, Thompson-Nicola Regional District
Emily Branch, Thompson-Nicola Regional District
Venus Atienza, Regional District Okanagan-Similkameen Regional District

OBJECTIVE: To share information about Metro Vancouver's solid waste management plan update process and provide an opportunity for input.

Metro Vancouver is updating its regional solid waste management plan, building on the strengths of the current plan and identifying ways to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and advance a circular economy. Metro Vancouver is currently at the idea generation phase of engagement. On November 13, 2024 Metro Vancouver met with staff from three adjacent regional districts, in addition to two regional districts with facilities that receive waste or organics from Metro Vancouver. Seven key topics or areas of discussion were established to frame discussion during the idea generation phase of engagement. All seven topics were presented at the meeting, and a focused discussion was facilitated on two of the topics that were most related to previous feedback from regional districts. The following is a summary of the responses and feedback received at the meeting. Overall, there was much support for coordinating between regional districts to develop consistent approaches to construction and demolition material management, reuse and repair initiatives, educational material development, policy development, and advocacy. There was also interest among participants in establishing a platform for regional district staff to meet and share information on a regular basis.

Feedback received during the idea generation phase will be considered and evaluated in the subsequent phase: options analysis.



SUMMARY OF FEEDBACK:

Discussion topic 1: As Metro Vancouver updates the plan, what ideas and actions can build on our success to **rethink and prevent waste in the first place**?	
What we heard	How we're responding
• Regional districts should work together when it comes to advocacy at provincial and federal levels	• Metro Vancouver would be happy to collaborate in whatever ways make sense on advocacy at a provincial and federal level.
• When Metro Vancouver is planning an initiative or program, should reach out to other regional districts to explore coordinating and ensuring consistency	• Where initiatives and programs have implications for other regional districts or there is a potential for benefits in working together, Metro Vancouver also sees benefit in coordinating.
• Regional Districts look to Metro Vancouver as leader – information sharing is very important, for example initiatives, programs, educational campaigns, and technical study reports • Interest in collaborating on developing policy and educational material	• Metro Vancouver highlighted that behaviour change campaign materials are available online and regional districts are welcome to use and adapt the material, or reach out to zerowaste@metrovancouver.org with any specific requests
• Interest in collaborating on a centralized hub for sharing salvaged building materials, and coordinating a cross-regional district repair café network	• Metro Vancouver to provide regional districts' current information on repair café program that Metro Vancouver runs
• Construction & Demolition waste is a key sector to work together on, as businesses and materials move between our regional districts	• Work is underway to organize a construction and demolition waste reduction forum in spring 2025

Discussion topic 2: As Metro Vancouver updates the plan, what ideas and actions can build on our success to **plan for future infrastructure and systems for waste management across the region**?	
What we heard	How we're responding
• Would be helpful to have an overall provincial plan to address disposal capacity, particularly when local landfills close. This is a challenge shared by regional districts	• Agree that provincial discussion would beneficial

• Comment that incineration is not supported by some participants, but would support working together to identify how to work together on increasing processing capacity (e.g. mixed waste material recovery facility or other solutions) • Question whether Metro Vancouver considers Waste-to-Energy as recycling or disposal	• Metro Vancouver clarified that Waste-to-Energy use in the region is counted as disposal and not recycling
• Support for consistent definitions of 'recycling' being used between regions	• More consistency on definitions for recycling would be beneficial
• Support for sharing of data to be able to identify waste moving across regional district borders, for the purpose of accurate metrics/reporting. For example, waste companies operate in multiple regional districts, and move material between regions.	• Metro Vancouver detailed solid waste data is available on the Metro Vancouver website • If there is other data that is available to Metro Vancouver and could be shared, Metro Vancouver staff would be happy to discuss
• Suggestion to collaborate on responses to RecycleBC engagement on non-residential packaging and printed paper – presenting comments in coordination to advocate for continuous improvement	• Feedback on collaborating on advocacy has been noted
• Suggestion to establish a platform for regional district staff to meet on a regular basis to share information and collaborate on projects. Currently, some regional district staff attend the Regional Waste Reduction Coordinators Committee, but that committee is more geared towards Metro Vancouver member jurisdictions. A dedicated platform for regional districts would help focus the conversation around advancing issues shared by neighbouring regional districts	• Metro Vancouver would be happy to participate in meetings with other regional district staff

• Possibility of including provincial staff to hear feedback directly from and engage in discussions with regional districts; or alternatively, meet at the regional district staff level first and bring coordinated feedback/recommendations to the Province	
• These is a need and opportunity to better collaborate and coordinate with multi-family property managers and haulers that work across regional districts. Can streamline processes and communications/education in multi-family buildings. Currently consistency is lacking as often they are serviced by different haulers – no consistent guidelines or resources. • Increased education on food waste and organics is needed for multi-family buildings since many municipalities do not serve them	• Improving waste reduction and recycling in the multi-family sector has been noted as potential action in an updated solid waste management plan • Metro Vancouver is currently reviewing resources previously developed for multi-family buildings, and will work with haulers and member jurisdictions to identify materials that remain most helpful and require updating. There is a potential for neighbouring regional district staff to be involved in this process. Metro Vancouver can also share the outcome of this work with regional districts • Metro Vancouver is developing a pilot for a source reduction incentive program to provide waste haulers and processors incentives for taking actions to encourage waste reduction and recycling among customers

Solid Waste Management Plan Update: Options Analysis
Neighbouring Regional Districts Discussion Session

Thursday, October 23, 2025
Virtual Meeting – Microsoft Teams

Meeting Attendees:
David Urban, Fraser Valley Regional District
Lance Lilley, Fraser Valley Regional District
Carolynn Pegura, Fraser Valley Regional District
Ashley Zhu, Fraser Valley Regional District
Andrea Patrao, Sunshine Coast Regional District
Vanessa Lafontaine, Squamish-Lillooet Regional District
Marie-Lou Leblanc, Squamish-Lillooet Regional District
Andrew Tucker, Resort Municipality of Whistler
Shannon White, District of Squamish
Emily Branch, Thompson-Nicola Regional District
Venus Moreno-Atienza, Regional District Okanagan-Similkameen Regional District

Metro Vancouver Staff: Paul Henderson, Chris Underwood, Terry Fulton, Stephanie Liu, Faith Sabourault

OBJECTIVE: To share information about Metro Vancouver's solid waste management plan update process and provide an opportunity for input. Metro Vancouver is currently at the options analysis phase of engagement, where ideas that were generated in the previous phase will be evaluated by applying decision-making criteria and engaging with audiences on the potential strategies and actions for inclusion in the draft plan.



SUMMARY OF FEEDBACK:

Meeting participants were presented with six draft strategies that are related to feedback previously provided by neighbouring regional districts. It was noted that a full list of strategies and actions are available on the website and Metro Vancouver welcomes feedback on any of the actions.

Participants were then asked the following questions about the six draft strategies, using Mentimeter followed by open discussion:

- Which of the six strategies most align with priorities in their regional districts? (Rank from highest to lowest)
- For the actions within each strategy, to indicate the level of priority or potential for collaboration across regional districts
- What should Metro Vancouver consider to support implementation of these actions or increase participation/involvement?

Mentimeter results are included as attachment 1.

Following the discussion on the draft strategies, there was a presentation and discussion on strategic approaches (regulatory, recycling and waste centres, and residual management options) in the updated plan.

Question: Which strategies most align with priorities in your regional district?	
What we heard	How we're responding
• Interest in aligning priorities around waste reduction in businesses and institutions, increasing reuse of building materials, advocating for circular economy policies and enhancing extended producer responsibility (EPR) programs. Top priorities included: (2.1) Collaborate with businesses and institutions to reduce waste; (3.2) Increase reuse of used building materials; (1.1) Advocate for circular economy policies; (4.2) Enhance EPR programs.	• Metro Vancouver noted these as priority areas. The feedback will be considered as the updated solid waste management plan is drafted.

Strategy 2.1: Collaborate with businesses and institutions to reduce waste	
What we heard	How we're responding
• Participants highlighted that joint educational workshops could be valuable but may be difficult to coordinate due to differences in local systems.	• Metro Vancouver can prioritize shareable education tools/resources that local regional districts can adapt, rather than one-size-fits-all resources.

Strategy 3.2: Increase reuse of used building materials	
What we heard	How we're responding
• High collaboration potential for developing second hand building material markets, online marketplaces, encouraging use of salvaged materials in renovations, and requirements/incentives to increase reuse.	• Metro Vancouver can explore regional market development options and policy tools; will consider combining closely related actions and identify where Metro Vancouver can practically lead vs. support.
• Metro Vancouver region has high influence over material markets, as a lot of diverted material generated in other regional districts ends up in Metro Vancouver	• Noted and will be considered as part of action ID 037 and ID038 (development of second-hand building material markets and online marketplace.
• Interest in central hubs and comment on the willingness of residents/contractors to travel for the most affordable option.	• Noted.
• Can consolidate some actions to reduce overlap (e.g. online marketplace and second-hand building material markets).	• Metro Vancouver will review suggested action consolidations and revise strategies/actions where appropriate.

Strategy 1.1: Advocate for circular economy policies	
What we heard	How we're responding
• Support for Metro Vancouver leading advocacy across BC/Canada; smaller regional districts will amplify where possible. Regional districts noted that capacity limitations are barriers to developing their own advocacy materials and circular economy policy work, and that they depend on Metro Vancouver's work.	• Metro Vancouver can continue to explore opportunities to lead/coordinate advocacy, share templates/letters, and leverage the National Zero Waste Council
• Request for definition and examples of circular economy policies.	• Metro Vancouver will reconsider the wording of ID004 and others within Strategy 1.1 to provide clarity on what types of regulations may be intended

Strategy 4.2: Enhance EPR Programs	
What we heard	How we're responding
• Interest in expanding eligible materials and extending residential EPR to small businesses.	• Noted, and this is addressed in ID118 (expansion of EPR to small businesses).
• Household hazardous waste collection is costly for many regional districts and funding	• Metro Vancouver will consider this feedback on action ID121 and notes this support for advocacy for household hazardous waste

or EPR coverage were raised as potential solutions.	solutions, particularly considering funding challenges.
• ID118 should also be clearer about whether this item refers to all EPR or just the Recycle BC program.	• Metro Vancouver to follow up with clarification on the intent/scope of that action.
• Suggestion to consolidate the two actions about challenging materials and large items (e.g., IDs 116 and 064), because large items are challenging in general.	• Metro Vancouver will review and merge where appropriate.

Strategic Approaches (Regulatory, Recycling and Waste Centres, Residual Management Options)	
What we heard	How we're responding
• Support for using the guiding principles of the Solid Waste Management Plan to help inform future regulation development.	• Metro Vancouver confirmed that regulatory priorities will be tied directly to guiding principles in the plan and shared for review. • Metro Vancouver will share the draft regulatory approach with regional districts. (Attachment 2)
• Fraser Valley Regional District raised concerns regarding continued operation of the Waste-to-Energy Facility in Burnaby, citing air quality and aging infrastructure; request for language in the plan on phasing out the facility and including of air quality as a technical criterion in the plan. • Question about waste-to-energy is a barrier to moving forward on collaborating in other areas.	• Metro Vancouver noted that emission monitoring demonstrates levels are below regulatory limits and stated that the facility is a safe and cost-effective disposal method. Emission levels are below regulatory levels. Ambient air monitoring has shown ambient levels of HCl and SO_2 below 3 per cent of ambient air objectives 97 per cent of the time and below 10 per cent of ambient air objectives 100 per cent of the time. A public health risk assessment showed that current emissions from the facility do not pose a health risk to people. All perspectives and feedback will be documented and communicated to the Metro Vancouver Board as part of the decision-making process on the updated solid waste management plan. • Metro Vancouver will engage with the public and adjacent regional districts regarding operational certificate updates, including proposed updated emission limits for several parameters.
• Interest in understanding how residual capacity options will be evaluated in future.	• Metro Vancouver outlined technical criteria to be included in the plan (policy context, land availability, logistics, energy prices,

	public perception, etc.), without committing to a specific technology/site at this stage.

Upcoming Engagement and Next Steps	
What we heard	How we're responding
• Interest was expressed in continued collaboration opportunities.	• Staff encouraged participation in the upcoming Zero Waste Conference on November 27, 2025, at the Vancouver Convention Centre.
• Participants requested clarity on how to submit feedback – via email or the online form.	• Metro Vancouver confirmed that feedback can be submitted either way but asked that respondents reference specific Action ID numbers to streamline analysis.

Attachment:

1. Mentimeter Results
2. Draft Regulatory Approach

Mentimeter

Solid Waste Management Plan Update

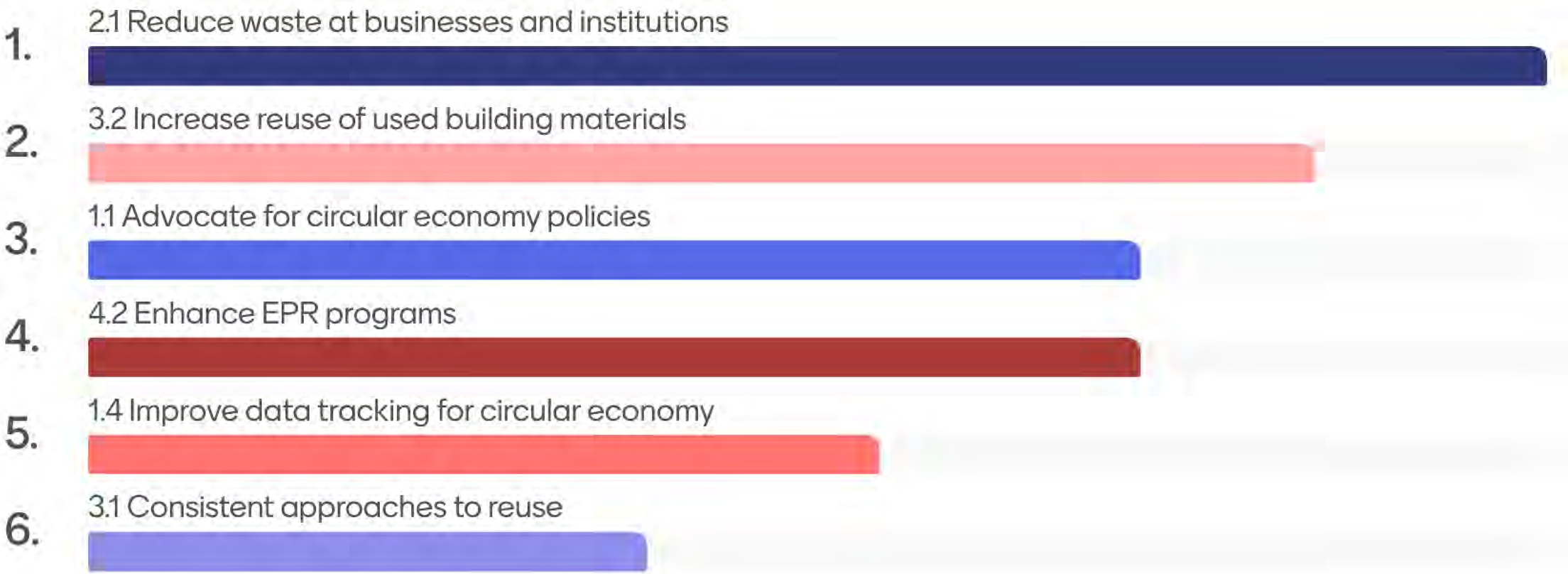
Neighbouring Regional Districts.



9

Rank from highest to lowest

Which strategies most align with priorities in your regional district?



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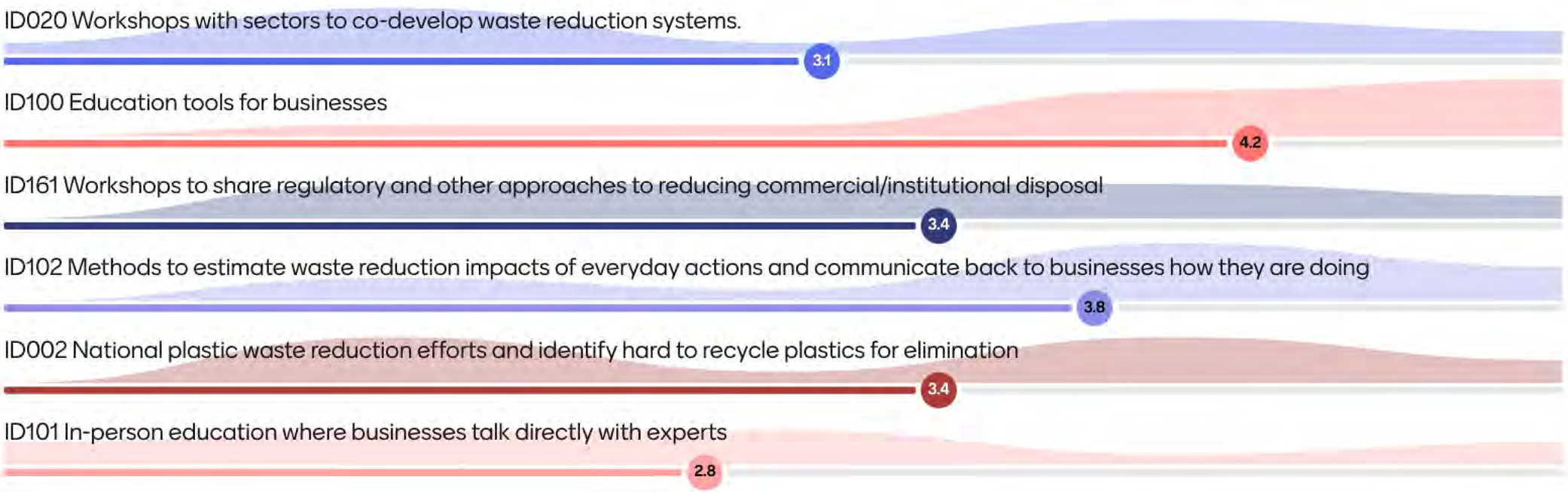
For the actions within each strategy, **indicate the level of priority or potential for collaboration across regional districts**

2.1 Collaborate with businesses and institutions to reduce waste



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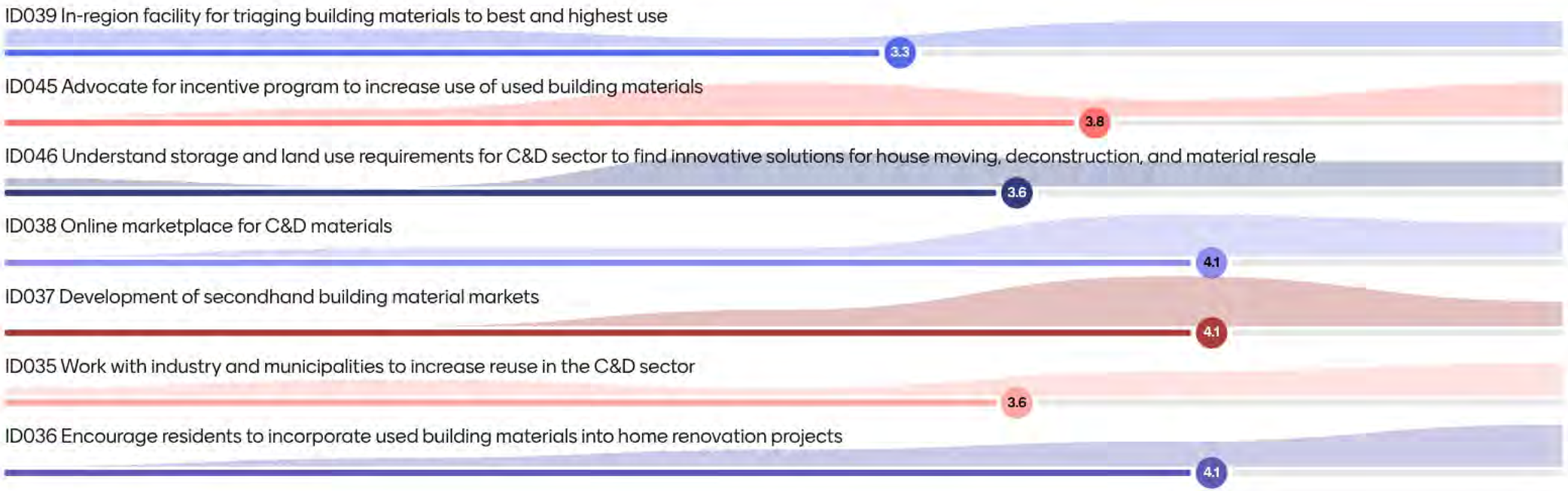
3.2 Increase reuse of used building materials



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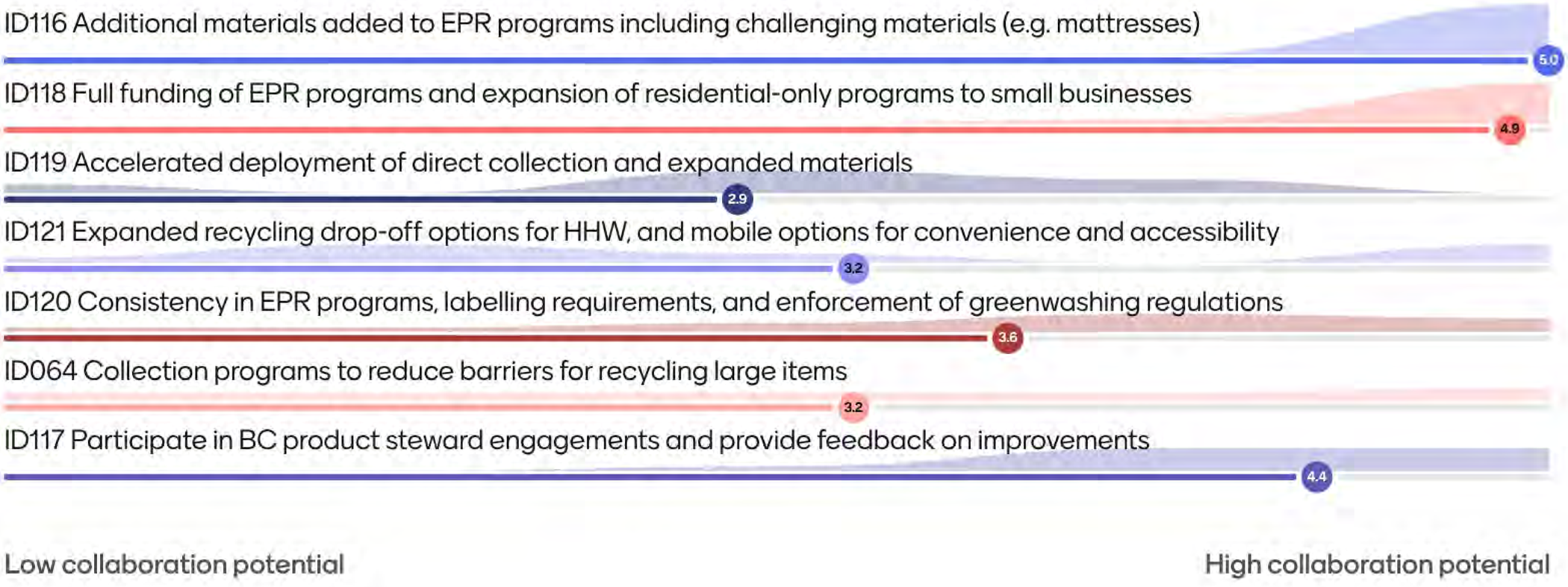
1.1 Advocate for circular economy policies



2 11

4.2 Enhance EPR programs - Advocate for:



11

Solid Waste Management Plan Update - Draft Regulatory Strategic Approach

Purpose

The solid waste management plan regulatory strategic approach outlines the types of regulatory initiatives, such as bylaws, that Metro Vancouver may consider over the lifespan of the solid waste management plan, including how potential Metro Vancouver regulations are assessed, engaged on, and implemented. Recognizing that future changes to regulation require dedicated engagement beyond the scope of this solid waste management plan update, the regulatory strategic approach aims to clarify Metro Vancouver's outlook with respect to any future regulatory actions to further progress toward the solid waste management plan goals and targets. This approach identifies examples of initiatives that may be advanced through both direct action and advocacy with senior and local governments.

Background

Overview

The Greater Vancouver Sewerage and Drainage District (GVS&DD) Board enacts bylaws to better manage waste within our system and protect public health and the environment. This authority is delegated to the GVS&DD from the province under the *Environmental Management Act* S.B.C. 2003 c.53, and the *Greater Vancouver Sewerage and Drainage District Act* S.B.C. 1956 c.59, Section 7A and 7B.

The primary bylaws related to solid waste management in the region are the *GVS&DD Tipping Fee and Solid Waste Disposal Regulation Bylaw No.379,2024,* as amended (Tipping Fee Bylaw), which sets garbage and recycling fees at Metro Vancouver solid waste facilities, identifies recyclable and hazardous materials banned from disposal and specifies surcharges, and establishes the requirements of the generator levy; and the *GVS&DD Municipal Solid Waste and Recyclable Material Regulatory Bylaw No.181, 1996,* as amended (Bylaw 181), which specifies requirements for private solid waste facilities, including reporting, inspection, and enforcement provisions. The *GVS&DD Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw No.378, 2024,* as amended, provides an additional compliance promotion tool, allowing the issuance of penalty amounts up to $500 per contravention of specified provisions of Bylaw 181 and the Tipping Fee Bylaw. It also establishes a process for dispute adjudication.

Existing Regulations

Bylaw	Key Components
GVS&DD Tipping Fee and Solid Waste Disposal Regulation Bylaw No.379, 2024	• Fees and surcharges

DRAFT

	• Recyclable and hazardous materials banned from disposal • Generator levy
GVS&DD Municipal Solid Waste and Recyclable Material Regulatory Bylaw No.181, 1996	• Facility licensing • Powers of Solid Waste Manager and Officers • Fees
GVS&DD Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw No.278, 2024	• Bylaw violations and penalties • Dispute adjudication

Since approval of Metro Vancouver's 2011 solid waste management plan ,the generator levy was implemented and new bylaw enforcement tools have been added. The generator levy, added to the Tipping Fee Bylaw in 2018, encourages the use of Metro Vancouver and City of Vancouver solid waste facilities where disposal bans for recyclable materials are in place, and ensures all garbage generators contribute to funding the cost of the regional solid waste system – a system that provides reliable and resilient services that benefit and are available to all residents and businesses in the region. The generator levy is included in the garbage tipping fee charged at regional solid waste facilities; however, if garbage is delivered to other facilities, haulers must pay the per-tonne generator levy directly to Metro Vancouver. The generator levy is a key contributor to Metro Vancouver's continued success in advancing waste reduction and recycling.

Metro Vancouver's Role

At its facilities, Metro Vancouver is responsible for providing convenient drop-off for garbage for residents and businesses, determining the final disposal destination of that material, and providing both free and paid recycling opportunities primarily for materials delivered in small hand-unloaded vehicles. Recycling sorting and processing facilities are managed by the private sector under requirements set out in Bylaw 181. This system allows and encourages private sector innovation in recycling.

Metro Vancouver's regulatory authority does not currently include the ability to enforce bylaws at the generator or property level. Generally, that authority resides with municipalities. Also out of scope are extended producer responsibility programs and regulations impacting the sale or distribution of specific products, and eco fees or refundable deposit fees charged for some products, which may be implemented at the provincial or federal level. Any changes beyond Metro Vancouver's current regulatory authority, including compliance promotion mechanisms, require changes to provincial legislation and associated approval processes. Metro Vancouver also plans to advocate for continuous improvement of extended producer responsibility programs and regulations at the federal and provincial level that will help rethink waste and transition to a circular economy, including design for recyclability, the right to repair, and waste prevention legislation.

Compliance and Enforcement

Metro Vancouver's Environmental Regulation & Enforcement group is responsible for enforcing the provisions of Bylaw 181, including reviewing licence applications and ensuring compliance with licence terms and conditions. Officers appointed under Bylaw 181 have authority to issue notices of bylaw violation under the *GVS&DD Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw No.378, 2024*, as amended, which includes penalties of up to $500 per contravention of specified provisions of the generator levy and Bylaw 181. Bylaw 181 also allows for penalties for each day an offence is committed under the Bylaw, as well as cancellation of a licence. All active solid waste licences are available on Metro Vancouver's website, as well as Notices of Bylaw Violation issued to corporate entities since March 13, 2024 that have been paid, upheld, or are no longer in a dispute process. The appointment of enforcement officers is reported publicly.

Reporting and Continuous Improvement

Metro Vancouver publicly reports annually on the top surcharges under the Tipping Fee Bylaw, as well as information to enhance Metro Vancouver's understanding of the movement of waste around the region through the Smart Waste Program. This information is used to assess the effectiveness of the disposal ban and generator levy programs, respectively, and helps inform decisions on how these programs can continue to be effective.

Strategic Approach

Regulatory Priorities

Metro Vancouver's regulatory priorities for the solid waste management plan align with the vision and guiding principles and can help to achieve the plan's strategies and actions. These priorities are summarized below.

- Improve data accuracy, transparency, and availability
- Increase reuse and recycling
- Reduce barriers to participation
- Support effectiveness of the facility licensing system
- Support effectiveness of the generator levy
- Support innovation, particularly for reuse and repair

Potential future regulatory approaches may include hauler licensing, source separation requirements, expanded licensed facility types, or updated facility licensing provisions in support of the above priorities.

Considerations

For any proposed regulations not identified in the solid waste management plan's strategies and actions, at a minimum the following will be considered:

- What is the objective of the proposed regulation, and are there other options for achieving the same objective?

- Does GVS&DD currently have authority to implement the proposed regulation, and if not, what is required for obtaining that authority?
- What are the resource requirements for developing the proposed regulation, and for administering and enforcing it once enacted?
- Which sectors, businesses or individuals would be subject to the proposed regulation, and what is the estimated impact on meeting solid waste management plan goals and targets that would be achieved by regulating the targeted sectors?
- If the proposed regulation targets a specific material type and impacts how that material is managed, what are the expected operational consequences to the solid waste system overall?
- What are the expected financial implications resulting from the proposed regulation, such as tipping fee changes or other costs borne by residents and businesses?
- At which level of government would this regulation be most effective?
- Are there any unintended consequences of implementing the proposed regulation?

Engagement

Any new regulations, including changes to existing bylaws or the creation of new bylaws, will be accompanied by a transparent engagement process. Engagement will follow Metro Vancouver's Public Engagement Board Policy and Public Engagement Guide. Metro Vancouver will also comply with any provincial requirements related to engagement.

Appendix G

Public Engagement Program

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Appendix A – Feedback Summary of What We Heard and What We're Doing
Appendix B – Solid Waste Management Plan Public/Technical Advisory Committee

metrovancouver

Public Engagement Program

Metro Vancouver's Solid Waste Management Plan Review and Update

Last updated October 27, 2021

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

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1. Introduction

Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan, and identifying opportunities for accelerated waste reduction and recycling while reducing greenhouse gases and promoting a circular economy. Metro Vancouver's current plan, the *Integrated Solid Waste and Resource Management Plan*, approved by the BC Minister of Environment in July 2011, established goals and targets for waste reduction and the recovery of materials and energy from waste, and supporting strategies and actions for Metro Vancouver and its member jurisdictions.

An updated solid waste management plan will guide our region's policies and collective actions over the next decade and beyond and engagement is critical to its success. The plan update process is expected to take two to three years and will be supported by robust Indigenous and public engagement. Additional emphasis is put on increasing accessibility and engaging underrepresented and equity-denied communities. Metro Vancouver is committed to engaging audiences who may be impacted by or have an interest in the review and update of the solid waste management plan, and will seek input and feedback through a multi-phase engagement approach. This document, informed by a pre-engagement process (a summary of what we heard and what we're doing is included in appendix A), provides an overview of the public engagement program for the update of the solid waste management plan and contains the following elements:

- Guiding principles and objectives
- Phases, timeline and methods
- Key audiences
- Public/technical advisory committee
- Reporting

While Indigenous peoples[1] will be invited to participate in all public engagement activities, a separate draft Indigenous engagement strategy outlines a collaborative engagement approach. Metro Vancouver is guided by the principles of meaningful engagement laid out in the *Declaration on the Rights of Indigenous Peoples Act*, as well as its own policies and commitments towards reconciliation and engagement.

Developing an Updated Solid Waste Management Plan

The Greater Vancouver Sewerage and Drainage District (GVS&DD) is one of four separate corporate legal entities commonly referred to collectively as Metro Vancouver. For the purposes of this document, Metro Vancouver will be used to describe the GVS&DD.

Metro Vancouver is committed to environmental stewardship and the desire to keep waste management affordable. Metro Vancouver's role in regional solid waste management includes recycling and waste reduction regulation and planning and the operation of a regional network of solid waste facilities.

[1] Indigenous peoples for the purpose of this strategy include Indigenous (First Nations, Métis and Inuit) Nations and Indigenous communities (including urban Indigenous organizations, off-reserve and non-status First Nations, Métis and Inuit).

Responsibilities include ensuring an effective regional regulatory framework, promoting waste reduction, improving reuse and recycling systems, and managing residual waste.

The Metro Vancouver Board of Directors, advised by the Zero Waste Committee, approves policies, bylaws, plans, programs, budgets and issues related to solid waste management, including monitoring the implementation of the *Integrated Solid Waste and Resource Management Plan.* The Board will provide oversight of the plan update process, before considering, endorsing, and submitting it to the BC Minister of Environment and Climate Change Strategy for approval.

The current *Integrated Solid Waste and Resource Management Plan* was endorsed by the Board and member jurisdictions prior to receiving provincial approval, subject to Ministerial conditions, in July 2011. Provincial guidelines recommend initiating a plan review on or before the 10-year anniversary of the current plan's approval. In November 2019, the Metro Vancouver Board authorized initiating an update of the solid waste management plan and notifying the public and Indigenous Nations.

An updated solid waste management plan will draw on opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy. Themes of resiliency, equity, collaboration, climate action, regional growth, innovation, financial sustainability, and system stewardship will be central to the process. The updated solid waste management plan will align and seek linkages with other plans and initiatives including the Canada-wide Strategy on Zero Plastic Waste, the Government of BC's CleanBC and Plastics Action Plans, member municipalities' waste reduction initiatives, adjacent regional district solid waste management plans, and Metro Vancouver's *Board Strategic Plan, Resilient Region Strategic Framework, Metro 2050, Climate 2050,* and *Clean Air Plan.*

Governing Legislation

The provincial *Environmental Management Act* outlines local government responsibilities for solid waste management and requires regional districts to develop plans for the management of municipal solid waste and recyclable materials that are subject to approval by the BC Minister of Environment and Climate Change Strategy.

In parallel, municipal governments often have their own bylaws on solid waste, typically for municipally provided recycling and waste services, fees and charges, and proper management of waste in residential and/or commercial settings within the municipality.

The provincial *Greater Vancouver Sewerage and Drainage District Act* governs the disposal of garbage and recyclables in Metro Vancouver, including the purchase, construction, operation, maintenance, and administration of facilities for the disposal of all types of waste.

The provincial document *A Guide to Solid Waste Management Planning* provides guidance on amending and renewing solid waste management plans, including the planning and consultation processes, which have been incorporated into this public engagement program:

- Initiate the planning process
- Set the plan direction
- Evaluate options
- Prepare and adopt the plan

Before approving an updated plan, the BC Minister of Environment and Climate Change Strategy must be satisfied that there has been adequate public review and engagement during the development of the solid waste management plan. Following Board endorsement, Metro Vancouver will submit an engagement summary and draft updated solid waste management plan to the Minister for consideration.

2. Guiding Principles and Objectives of Engagement

Metro Vancouver is committed to a transparent and inclusive engagement for the update to a new solid waste management plan. To ensure such a process, stakeholders and communities of interest need to have equitable opportunities to participate and provide feedback into the engagement process. To deliver a robust engagement process that goes beyond Metro Vancouver's typical process, exceeds provincial requirements, and addresses previous industry concerns about engagement, a pre-engagement phase was introduced to help shape the engagement process. In addition, an Independent Consultation and Engagement Panel (Engagement Panel) was formed to guide development and implementation of engagement, and Metro Vancouver engaged on the development of a provincially-required public and technical advisory committee(s). A separate Indigenous engagement strategy will outline a separate, collaborative approach with Indigenous peoples, which will take place concurrent with public engagement.

Solid Waste Management Plan Independent Consultation and Engagement Panel

An Engagement Panel, made up of four independent, third-party engagement experts selected by the Metro Vancouver Board Chair, was formed in 2020 to provide advice and recommendations to staff and the Board on engagement. The Engagement Panel reviews and advises on the development and implementation of the public engagement program, and will report to the Board on engagement during all phases of the solid waste management plan development to ensure engagement is robust and adequately solicits feedback from a variety of communities of interest and stakeholders. The panel has played a key role in the development of this engagement plan. Throughout engagement on the solid waste management plan update, opportunities will be created for stakeholders and communities of interest to present to the Engagement Panel to provide feedback on the engagement process.

Guiding Principles of Engagement

The public engagement program will be informed by best practices and regulatory requirements, and will reflect the following guiding principles based upon and adapted from Metro Vancouver's Board Policy on Public Engagement.

Accountability

Metro Vancouver will uphold the commitments it makes to the public and demonstrate that the results and outcomes of the engagement process are consistent with the approved plans for engagement.

Equity and Diversity

Metro Vancouver will implement an accessible and inclusive engagement process that considers equity and diversity at its core and encourages participation by equity-denied groups[2].

[2] Equity is the fair distribution of opportunity, privilege and resources to meet the needs of all people, regardless of age, ability, gender, income, education level, culture, geographic location or background. Equity recognizes that services and resources can also be distributed based on need. Adopting an equity-centered approach ensures that

Inclusiveness
Metro Vancouver will make its best efforts to reach, involve and hear from those who are impacted. Plain language will be used in engagement materials and the public engagement program will be designed to promote personal connection, trust and active listening. The public engagement program will include components of education so that audiences have sufficient knowledge of the subject matter to provide meaningful feedback.

Transparency and Openness
Metro Vancouver will provide clear and timely information, and communicate decision-making processes, procedures and constraints clearly. The public engagement program will be open to the ideas of all Metro Vancouver residents and others, with consideration for perspectives and audiences that are not always engaged.

Commitment
Metro Vancouver, within its ability and work plans, allocates sufficient resources for effective engagement.

Responsiveness and Flexibility
Metro Vancouver seeks to understand and be receptive to the public's input. Throughout the engagement process, Metro Vancouver will be flexible to adapt and adjust engagement approaches as new information or perspectives are presented.

The guiding principles are foundational to the engagement approach and will be referenced at each phase and reflected upon following each engagement phase.

Engagement Objectives
Metro Vancouver engages at levels in a *spectrum of public participation* adapted from the International Association of Public Participation. For the solid waste management plan, Metro Vancouver is committed to the consult/involve levels of engagement to obtain input and feedback on analysis, issues, alternatives and decisions, and ensure aspirations and concerns are considered and understood during the plan development. Based on the consult/involve levels of engagement, the objectives of the engagement are to:

- Guide the development of an updated solid waste management plan for consideration by the Metro Vancouver Board and Minister of Environment and Climate Change Strategy
- Learn about a broad range of perspectives from residents, communities of interest, and stakeholders and actively consider how the plan can integrate and respond to the learnings
- Foster an environment where a wide range of voices and perspectives are shared
- Facilitate a process of reciprocal learning where stakeholders and communities of interest can share their knowledge and experiences and learn about the benefits and challenges of the regional solid waste system and zero waste initiatives
- Strengthen and build collaborative relationships

equity-denied groups are not disproportionately impacted by Metro Vancouver operations and that initiatives within Metro Vancouver's mandate have the opportunity to contribute to the advancement of equity in the region.

- Come to understand perspectives, priorities and desired outcomes of stakeholders and communities of interest for waste management across the region, with a specific effort to increase participation by diverse and equity-denied groups, such as youth, urban Indigenous communities, small and independent business owners, and non-English language speakers

Engagement Approach

Based on pre-engagement feedback, the phases of engagement will be developed with the following approaches and considerations in mind:

- Early, continuous and iterative engagement and feedback opportunities
- Clearly defined engagement purpose and expectations, including what elements of the plan are open for discussion/consideration
- Respect for time required of busy stakeholders to provide feedback, and sufficient time allowed
- Transparency on how input is used to come to a final decision
- Fair, collaborative tone for engagement that fosters active listening with an open mind, without pre-determined outcomes
- Strategies to increase accessibility and engage underrepresented and equity-denied communities
- Review of baseline regional recycling and waste data and measurement methodologies

A summary of how input and feedback received during pre-engagement has shaped the engagement approach is provided in Appendix A.

Engagement Parameters

It is important to establish the scope of engagement, both what is in and what is out of scope, in order to be able to plan the engagement successfully and to manage expectations.

The scope of this engagement includes the following parameters:

- The solid waste management plan will build on the strengths of the current plan, and identify opportunities for accelerated waste reduction and recycling while reducing greenhouse gases and promoting a circular economy. Alignment with provincial and federal regulation and legislation, and municipal authority will be considered in the plan development.
- The public engagement program will provide opportunities for informed and meaningful engagement with governments, including government agencies, waste and recycling industry, waste producers, businesses, communities of interest, equity-denied and underrepresented groups, and Metro Vancouver residents to guide updates to the plan.

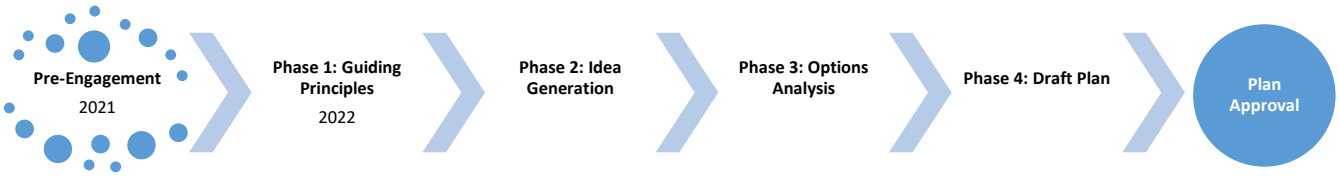
3. **Engagement Phases, Timeline and Methods**

The public engagement program includes a phased approach that is iterative and flexible. The public engagement program will provide participants with ample opportunity to access sound and impartial information, engage in discussions with Metro Vancouver, and provide input for consideration by Metro Vancouver staff and the Board to help shape subsequent phases of engagement and ultimately the updated solid waste management plan itself. Information on the engagement process and opportunities to provide input will be posted on the Metro Vancouver website as it becomes available. Meetings, feedback forms/questionnaires, correspondence and delegations to the Engagement Panel and Zero Waste Committee will be used as mechanisms to receive feedback on the solid waste management plan

and the engagement process. The public engagement program is flexible and will consider additional interests and issues that emerge during the solid waste management plan review and update.

Due to the ongoing COVID-19 pandemic, all engagement approaches will comply with public health guidelines. Metro Vancouver aims to leverage digital platforms to reach out to more audiences than traditionally possible with in-person meetings and events.

The proposed phases of engagement are outlined below, followed by objectives and methods for pre-engagement (complete) and Phase 1 (in development). Timing is flexible to ensure maximum participation in a robust, transparent, and meaningful process.



Methods

The following are potential methods of outreach and engagement that may be used during any of the phases of engagement and will be adjusted based on the objectives of each phase of engagement:

Engagement

- Collaboration with others to host third-party workshops and events, and amplify messages (e.g. RCBC, Binners' Project, cultural and religious organizations)
- Focus groups
- Focused, sector- and topic-specific discussions; working groups
- In-person meetings, including presentations and discussions at community meeting
- Market research surveys
- Meetings with the Engagement Panel
- Online engagement platform – includes options for multiple languages and visual web accessibility tools
- Online meetings
- Open houses and workshops
- Questionnaires (online or hard copy at community locations)
- Public/technical advisory committee meetings

Outreach

- Educational components (e.g. backgrounders, discussion guides)
- Email notifications
- Multiple language communications where possible and where it serves the audience
- Press engagement
- Printed materials or packages, to be used by individuals or groups to further engagement among their networks
- Promotional materials tailored to different audiences, in a variety of media outlets
- Social media
- Videos
- Website content

- Telephone polling where appropriate
- Updates at existing committee meeting
- Webinars

Through pre-engagement, Metro Vancouver learned from stakeholders that continual communication — often and through a variety of channels — promotes transparency. It was also suggested to work with others to host or facilitate engagement events and amplify communications.

A communications plan has been developed for the solid waste management plan public engagement program, detailing the specific communications tactics required to deliver on each phase of engagement.

Pre-Engagement (public April 27 – June 28, 2021; Indigenous April 27 – July 2, 2021)

- *Description:* Pre-engagement solicits feedback on preferred engagement approaches and asks what people need to know to meaningfully participate. This occurs before formal engagement begins.
- *Objectives:* Understand key stakeholder groups' preferred communication channels, methods of participation, key information required, and what is needed to make participation easier. Gain insights from stakeholders and communities of interest on how the process can be designed to reach equity-denied groups.
- *Notification and Methods Used:*
    - Email and letter notifications advising that engagement on updated solid waste management plan will begin soon
    - Website content
    - Online questionnaire
    - One-on-one online meetings with interested parties and stakeholder groups
    - Opportunities for stakeholders to present to the Engagement Panel
    - Online workshops and presentations
    - Social media platforms

A full summary of the pre-engagement phase and results is included in the Zero Waste Committee report dated July 16, 2021, titled "Pre-Engagement Results – Solid Waste Management Plan Update".

Engagement on Public and Technical Advisory Committee(s) (July 23 – September 15, 2021)*:*

- *Description*: Metro Vancouver engaged on the structure and membership criteria prior to drafting the public and technical advisory committee(s) terms of reference. Note that engagement with Indigenous peoples is expected to be coordinated through a separate, collaborative process.
- *Objective*: Receive feedback on the structure, sectors/interests represented, and membership selection criteria for the public and technical advisory committee(s). This information was considered in drafting the terms of reference for the committee(s) (Appendix B).
- *Methods*:
    - Email notification
    - Online questionnaire
    - Invite written comments

Phase 1: Plan Guiding Principles Engagement (Mid-2022)

- *Description*: Guiding principles for the updated solid waste management plan (different from the engagement guiding principles described earlier in this report) reflect fundamental values that guide plan development and implementation. They will cut across all or most goals, strategies, and actions and can be translated into criteria to help evaluate goals, strategies, and/or actions. The BC Ministry of Environment and Climate Strategy's *A Guide to Solid Waste Management Planning* provides eight provincial principles for solid waste management for regional districts to incorporate in the development of their solid waste management plan, to be supplemented with other locally relevant guiding principles.
- *Objective*: Understand the fundamental values of the public, stakeholders and communities of interest to help guide the solid waste management plan development and establish the overarching vision and direction.
- *Potential Methods*:
    - Joint Zero Waste and Climate Action Committee workshop
    - Public/technical advisory committee meetings
    - Online or in-person workshops consisting of presentations, interactive exercises and feedback sessions with all levels of government and stakeholders. May be hosted in collaboration with others (e.g. Recycling Council of British Columbia, Binners' Project, religious and cultural organizations, industry associations)
    - Webinars, presentations and videos
    - Opportunities for stakeholders to present to the Engagement Panel
    - Website content
    - Online questionnaires or feedback forms
    - Additional methods to increase accessibility and engage underrepresented and equity-denied communities

Details for these subsequent phases will follow as they are developed with stakeholders, the public, and communities of interest.

Phase 2: Idea Generation Engagement (Late 2022)

Phase 3: Options Analysis Engagement (Mid-2023)

Phase 4: Engagement on Draft Plan (Early 2024)

After plan approval: Continued engagement during plan implementation (2024 onward)

The public engagement program is an iterative document and will be adapted and updated with each engagement phase as the solid waste management plan is developed.

4. Audiences

The following audiences have been identified who may be impacted by or have an interest in the review and update of the solid waste management plan and will be engaged to provide feedback during all phases of engagement:

- Community, environmental and non-profit groups, non-governmental organizations, youth and students, schools

- Government and regulatory agencies, including Indigenous peoples in BC, provincial and federal governments, member jurisdictions, adjacent regional districts, crown corporations, airport and port authorities, and health authorities
- Industry and business associations, boards of trade and chambers of commerce, professional associations and academic institutions
- Metro Vancouver residents
- Small to medium businesses, innovators, employees within organizations, experts in industry and technology
- Waste and recycling industry, including small and large haulers, processors, extended producer responsibility programs, disposal facilities, and waste/recycling industry associations, binner community, reuse/repair organizations and the Metro Vancouver Solid Waste and Recycling Industry Advisory Committee
- Waste producers, including various sectors such as food service and industry, grocery, construction, tourism, office and property management, real estate, retail, residents, and educational institutions
- And others who may be interested

Metro Vancouver has developed and regularly updates a database that includes contact information of individuals and organizations who fall within the categories described above. The public can also sign up to a number of solid waste newsletters and project notification lists, including one for the solid waste management plan update.

Metro Vancouver will strive to facilitate dialogue between jurisdictions and stakeholders with different perspectives and responsibilities, to allow parties to gain a better understanding of other perspectives and discuss interconnected systems and possible partnerships that can support zero waste, environmental health, and circular economy goals.

To reach and involve equity-denied or underrepresented groups not typically involved in Metro Vancouver solid waste processes, specifically youth, the binner's community, and non-English language speakers, efforts will be made to ensure opportunities for meaningful engagement. Possible methods, by group, to deliver this include:

- Youth – Tailor questionnaires, social media and campaigns; partner with influencers, leverage existing communities, communication channels and places of gathering; collaborate with prominent groups
- Binner's community – Collaborate with the Binners' Project to access existing networks and communications channels
- Non-English language speakers – Translate important materials, offer interpretation services, target media promotions

In addition, engagement will be designed to encourage more equal participation geographically across the region. Possible methods to achieve this include:

- Target social media promotions to each jurisdiction individually as the target market
- Host events in strategic geographic locations

- Partner with municipalities to reach out to stakeholders in their respective communities and draw on established networks and relationships
- Work with local community based groups to host small engagement events across the region; or prepare information packages for those local groups to consider at their existing meetings

Indigenous Engagement

While Indigenous peoples will be invited to participate in all public engagement activities, a separate draft Indigenous engagement strategy outlines a collaborative government-to-government engagement approach with Indigenous Nations whose territories include all or part of the Metro Vancouver region as well as a community engagement approach with urban Indigenous organizations, off-reserve and non-status First Nations, Métis and Inuit.

The Indigenous engagement strategy for the solid waste management plan update reflects Metro Vancouver's commitment to engaging with Indigenous Nations who claim Aboriginal rights in the region, and Indigenous communities. Metro Vancouver aims to follow the principles of meaningful engagement laid out in the *Declaration on the Rights of Indigenous Peoples Act*, as well as its own policies and commitments towards reconciliation and engagement. Metro Vancouver will seek to create diverse and multiple engagement opportunities, to ensure that Metro Vancouver and Indigenous peoples can have a meaningful dialogue on the review and update of the solid waste management plan.

5. Public/ Technical Advisory Committee

The BC Ministry of Environment and Climate Change Strategy's *A Guide to Solid Waste Management Planning* recommends establishing public and technical advisory committee(s) to assist with the planning process and ensure that diverse views are represented. Metro Vancouver will form a public/technical advisory committee, with subcommittees formed as required based on discussions with the committee, to advise on plan development and report to staff and the Zero Waste Committee. The committee will consist of a variety of representatives: industry, public community groups, and subject matter experts. A Zero Waste Committee member will participate in committee meetings and act as a liaison to the Zero Waste Committee. The public engagement program will be reviewed with the public/technical advisory committee at an early meeting and updated as needed throughout the plan update process. In addition, the public/technical advisory committee will provide input during each stage of the solid waste management plan's development. Sectors and interests that may be represented on the committee, and personal qualities, perspectives and experiences of members are listed below. A terms of reference for the committee is provided in Appendix B.

Sectors/Interests Represented by Members

- Adjacent regional district elected official
- Agriculture
- Circular economy
- Construction and demolition industry
- Extended producer responsibility programs
- Food service
- Government agencies and health authorities
- Large waste generators (e.g. academic institutions, school boards, transportation hubs, entertainment sector)

- Multi-family residences (e.g. residents, landlords, property management associations)
- Non-governmental/non-profit organizations and environmental stewardship groups
- Organics processing
- Public members-at-large (e.g. youth, seniors, and multicultural, accessibility, and resident/community associations)
- Recycling industry
- Reduction/repair/refill industry
- Retail/grocery
- Small- and medium-sized businesses and business improvement associations, chambers of commerce, boards of trade
- Tourism and hospitality
- Waste industry
- Workers/unions

Personal Qualities, Perspectives and Experience

- Demonstrates community/committee involvement and the ability to work collaboratively with others (e.g. openness to different/opposing views)
- Demonstrates personal commitment to zero waste/circular economy goals, sustainability, and climate action
- Demonstrates the ability to advance innovation
- Experienced with waste, waste reduction, and recycling (i.e. lived experience, technical expertise, or both)
- Belongs to a community that is typically underrepresented (e.g. women, LGBTQ2S+, Indigenous persons, immigrants, visible minority, persons with disabilities, youth, etc.)
- Represents the interests/perspectives of a group of people/sector

6. Reporting

Metro Vancouver documents feedback received during engagement processes through meeting summaries, online comments, feedback forms, questionnaires and correspondence (emails and letters to Metro Vancouver elected officials and staff). Metro Vancouver will use various methods to report back to audiences about how their input has been considered, including:

- Interim engagement summary reports to the Zero Waste Committee and Board, including documents tracking the issues, comments, and questions raised during engagement and the corresponding Metro Vancouver responses
- Regular updates to the project web page
- Responses to feedback received

A summary of feedback gathered through the engagement process will accompany the updated solid waste management plan that will be submitted to the BC Ministry of Environment and Climate Change Strategy for approval. The engagement summary will include:

- A summary of all engagement activities and results, including copies of notifications, advertisements, web content, reports, and meeting summary notes
- Identification of feedback raised during the engagement process

- Metro Vancouver responses to feedback received and how it is being addressed or incorporated in the draft updated solid waste management plan
- Copies of all original written feedback received during the engagement process

Feedback Summary of What We Heard and What We're Doing

The following summary table shows how input and feedback shared during pre-engagement was considered and incorporated into the engagement approach.

What We Heard	What We're Doing
Provide early, continuous, iterative engagement, and more notifications	Timely, ongoing and evolving engagement opportunities will consider the preferred channels to receive information and provide feedback shared in pre-engagement
Respect the time required of busy stakeholders	Thoughtful and efficient opportunities to engage online, and in person when safe to do so, will accommodate a variety of engagement preferences and limitations
Clearly define engagement purpose, expectations, and what issues are 'on the table'	A clear scope and objectives of engagement will outline what is up for discussion at each engagement phase
Ensure transparency on how input was used and reasons for decisions	Timely and transparent reporting back will show how input and feedback affected the decision at each engagement phase
Listen, have an open mind, be fair and collaborative	A fair, collaborative tone for engagement will promote active listening and foster trust, without pre-determined outcomes
Work with partners to host/facilitate engagement events, and amplify/distribute communications	Collaborative relationships formed and strengthened with community groups and organizations will reach and involve their communities, including those not typically engaged
Create space for stakeholders with different interests to hear from each other, gain understanding of different perspectives, and form partnerships; also facilitate focused, sector-specific discussions	An engagement environment of reciprocal learning where a wide range of voices, perspectives and interests are shared, as well as focused, sector-specific discussions, will lead to sustainable decisions
Appreciation for the initial pre-engagement phase, and establishment of the Engagement Panel	A public engagement program guided by the Engagement Panel and informed by input and feedback gathered during pre-engagement will demonstrate continued responsiveness to feedback
Involve equity-denied communities, industry experts, innovators, small to medium businesses, small haulers and small processing facilities, and associations (industry, tourism, building, business improvement)	A plan to reach and involve a broad and diverse audience will ensure all potentially affected by or interested in a decision are heard, including equity-denied communities (youth, urban Indigenous, binners community, non-English language speakers)

Provide information on current solid waste management in the region, the previous solid waste management plan, details on how solid waste is handled in other jurisdictions, and a range of additional topics	Sufficient, clear and sound information provided during engagement will enable informed and meaningful participation
Consider translation and use of graphics, although English language communication is sufficient at this time	A variety of methods (e.g. translation, interpretation, connect via cultural organizations) to reach and involve non-English language speakers will support an equal opportunity to participate, within our ability
Metro Vancouver did not hear distinctly from certain sectors during pre-engagement, such as cultural associations, non-English language speakers, resident community associations, food service, and construction and demolition	Methods to reach and engage these sectors beyond what was offered during pre-engagement will be explored to ensure engagement opportunities are appealing and effective

metrovancouver

Solid Waste Management Plan

Public/Technical Advisory Committee

Terms of Reference

November 17, 2021

1. PURPOSE

Over the next two to three years, Metro Vancouver will engage with governments (including Indigenous Nations), government agencies, waste and recycling industry representatives, waste producers, businesses, communities of interest, and Metro Vancouver residents to review and update the current *Integrated Solid Waste and Resource Management Plan* (2011). The updated solid waste management plan will build on the strengths of the current plan and identify opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.

The purpose of the solid waste management plan public/technical advisory committee (committee) is to provide a forum for contribution from individuals from a range of backgrounds to inform the review and update of the solid waste management plan. The purpose of these terms of reference is to describe role of the committee.

2. TIMEFRAME

The committee will exist for the duration of the solid waste management plan update process.

3. SCOPE OF WORK

The committee will receive and review information, and advise on topics related to the development of the solid waste management plan. Committee members will be invited to pose questions, engage in discussion, and provide comments for consideration as the plan is developed. Potential topics for engagement with the committee include the circular economy, waste reduction and recycling, greenhouse gas emissions reduction, residuals management, asset and risk management, innovation, resilience, affordability, and collaboration and engagement.

Representatives of the 10 local Indigenous Nations will be invited to observe committee meetings at their preference. A separate Indigenous engagement strategy will help ensure a collaborative government-to-government engagement approach with Indigenous Nations whose territories include all or part of the Metro Vancouver region as well as a community engagement approach with urban Indigenous organizations, off-reserve and non-status First Nations, Métis and Inuit.

4. MEMBERSHIP

The committee will be composed of members representing a diversity of sectors and interests, who bring a variety of personal qualities, perspectives, and experiences to solid waste and recycling issues.

The following is a list of sectors/interests that could be represented by committee members:

- Adjacent regional district elected official
- Agriculture
- Circular economy

- Construction and demolition
- Extended producer responsibility programs
- Food service
- Government agencies and health authorities
- Large waste generators (e.g. academic institutions, school boards, transportation hubs, entertainment sector)
- Multi-family residences (e.g. residents, landlords, property management associations)
- Non-governmental/non-profit organizations and environmental stewardship groups
- Organics processing
- Public members-at-large (e.g. youth, seniors, and multicultural, accessibility, and resident/community associations)
- Recycling industry
- Reduction/repair/refill industry
- Retail/grocery
- Small- and medium-sized businesses, and business improvement associations, chambers of commerce, boards of trade
- Tourism and hospitality
- Waste industry
- Workers/unions

The following is a list of possible desired personal qualities, perspectives and experience of committee members:

- Demonstrates community/committee involvement and the ability to work collaboratively with others (e.g. openness to different/opposing views)
- Demonstrates personal commitment to zero waste, circular economy goals, sustainability, and climate action
- Demonstrates the ability to advance innovation
- Experienced with waste, waste reduction and recycling (i.e. lived experience, technical expertise, or both)
- Belongs to a community that is typically underrepresented (e.g. women, LGBTQ2S+, Indigenous persons, immigrants, visible minority, persons with disabilities, youth, etc.)
- Represents the interests/perspectives of a group of people/sector

5. SELECTION PROCESS

Membership will last the duration of the solid waste management plan update process. Committee members should be prepared to participate through the full term.

Committee members with the exception of the chair and vice-chair will be filled through a call for applications. Potential committee members who belong to typically underrepresented or equity-denied communities will be identified through targeted recruitment, with support mechanisms put in place to lower barriers to participation.

The call for applications will be promoted publically, and shared with our member jurisdictions and partners. Potential committee members will be asked to specify their sector/interest during the call for applications and an individual could identify more than one sector/interest. Not all sectors/interests will necessarily be represented on the committee, and more than one individual could be selected to represent a sector/interest. Following receipt of applications, the applicants will be evaluated based on

the personal characteristics outlined in the above section on membership. Recommendations for members will be reviewed by the Independent Consultation and Engagement Panel in advance of the recommendations being considered by the Zero Waste Committee and Board in closed meetings, before being released to the public.

6. CHAIRS

The committee chair and vice-chair will be members of the Zero Waste Committee, recommended by the Board Chair and selected by the Board in a closed meeting.

7. ADVISORY ROLE OF COMMITTEE

The role of the committee is advisory to Metro Vancouver. No votes will be held to determine the group's position on issues or recommendations to Metro Vancouver. Where consensus exists, it will be noted; minority opinions will be considered to have merit and will be noted.

8. MEETINGS

a. Meetings will be held approximately 4–6 times per year for the duration of the solid waste management plan update process.
b. The meeting dates and times will be determined by the chair and vice-chair in consultation with committee members, and will be scheduled at intervals relevant for the solid waste management plan development.
c. The chair and vice-chair will work with Metro Vancouver staff to draft meeting agendas and coordinate meeting materials, which will be circulated to the committee in advance of meetings.
d. The meetings will be structured to encourage dialogue and collaboration on relevant issues within the constraints of the planned agendas.
e. Meeting minutes and action trackers will be kept for each meeting. Minutes shall not reflect the names of individual speakers or their stance on issues; rather, they shall reflect the issues discussed, significant points of view on the issues and the resolutions or actions to be taken.
f. Meetings will be held virtually or at Metro Vancouver offices located at 4515 Central Boulevard in Burnaby, British Columbia. If unable to attend a meeting in person, a member may participate via teleconference or videoconference.
g. A meeting quorum will be 50%+1 of active members.
h. Meetings will be open to any individual who wishes to observe the discussions either in person or through teleconference or videoconference, although only committee members will be provided standing to participate in the discussion. Non-members may request an opportunity to present to the committee through two weeks' advance written submission for consideration by the chair and vice-chair.
i. Metro Vancouver staff are not members of the committee, but will attend meetings to provide information on various topics, respond to questions etc.
j. The committee may invite groups and subject matter experts to present and provide advice and feedback on specific agenda items, at the discretion of the chair and vice-chair.
k. All committee agendas will be published and publicly available in advance of meetings, and presentations and meetings minutes posted thereafter on Metro Vancouver's website.
l. Metro Vancouver will coordinate the venue and meeting logistics, invitations, notetaker, refreshments, and all requests received for the committee.
m. Committee members may be reimbursed by Metro Vancouver for reasonable, out-of-pocket expenses associated with participating in meetings.

9. WORK PLAN

An annual work plan for the committee will be developed by Metro Vancouver staff based on deliverables in the solid waste management plan development. The work plan will be reviewed annually by the committee, and will guide development of meeting agendas.

10. CODE OF CONDUCT

This code is intended to serve as a framework to guide the spirit and intent of how members are expected to deliver on the committee's purpose and objectives in an ethical and respectful manner.

a. *Respect and Collaboration*: Discussions and debates shall take place in an atmosphere of mutual respect and solutions-oriented collaboration, recognizing the value of different perspectives and seeking to understand the interests and needs of all affected parties.
b. *Transparency*: It is expected that all members speak honestly and transparently, engaging in good-faith dialogue and sharing information openly to encourage fact-based dialogue.
c. *Treatment of other Members*: Members have a duty to treat other members with respect during committee meetings. Specifically, members have a duty to avoid:
    - disrupting meetings by making continual interruptions or whispered asides
    - making offensive or abusive remarks directed at other members
    - impugning the motives of other members or supporting staff
    - ignoring the legitimate direction of the chair or vice-chair

Members who object to the behaviour of another member as identified in this code of conduct are asked to identify their concerns immediately to the committee chair and vice-chair. A member whose behavior repeatedly does not meet the code of conduct requirements may be asked to resign or be removed from the committee by the chair or vice-chair.

11. MEMBERSHIP RESIGNATION

Members wishing to resign from committee membership should provide written notice of their intent to resign, including the effective date of their resignation, addressed to the committee chair and vice-chair.

12. BUDGET AND RESOURCES

Funding for general meetings is provided by Metro Vancouver. Any additional funding for special projects or studies is subject to Metro Vancouver approval.

13. MEDIA PROTOCOL

Media requests will be directed to Metro Vancouver's media relations team. Individual members will not speak on behalf of the committee, unless it has been discussed and approved by the committee chair and vice-chair in advance.

The committee chair and vice-chair will be the chief spokespeople on behalf of the committee. For high profile issues, the role of spokesperson rests with the Board chair, vice-chair or the chair of the Zero Waste Committee. On technical matters or in cases where an initiative is still at the staff proposal level, a senior staff member is the appropriate chief spokesperson.

14. DECLARING CONFLICT OF INTEREST

Committee and subcommittee members must declare any conflicts of interest, real or perceived, at the outset of the process or as soon as it becomes known to the member.

Appendix H

Collaborative Engagement Reports Submitted to Metro Vancouver

List of Contents
Vision and Guiding Principles Collaborative Engagement Reports
Idea Generation Collaborative Engagement Reports
Options Analysis Collaborative Engagement Reports

Certain information within the attached documents has been redacted or removed to protect personal privacy, confidential information, and/or sensitive organizational information.

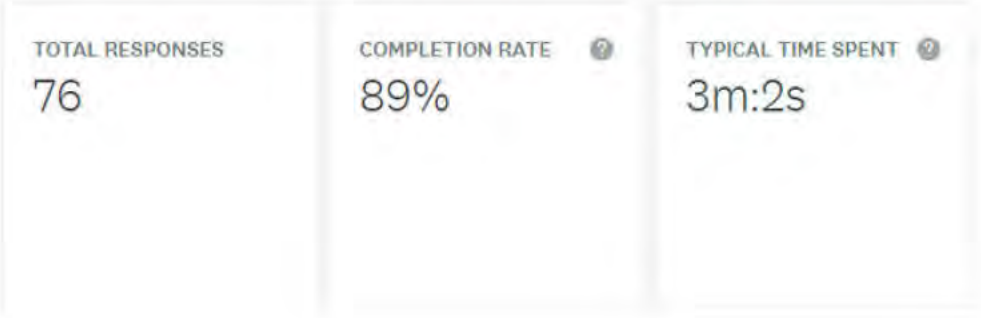
Post-Engagement Report

PROJECT NAME: BCAG Metro Vancouver Solid Waste Management Survery

TIMELINE: November 7th - December 7th

Location/Format:	• Textile, design and fashion businesses operating in British Columbia • A survey created via SurveyMonkey
Participants:	• Sent to subscribers of BCAG mailing list and client list of KenDor • Total of 1,586 recipients by email • Shared to BCAG, KenDor and 4 personal social media accounts • Total social media reach: 1500+
Summary of Promotions	• Survey (see survey here) created through SurveyMonkey and sent via email to BCAG and KenDor mailing lists • 2 follow-up emails sent to both mailing lists • Survey link shared on 6 social media accounts with followers primarily in the fashion industry

SURVEY SNAPSHOT:



Participant Demographics

Business Location:	• Vancouver: 33.33%, 23 participants • Not in Metro Vancouver: 21.74%, 15 participants • Delta: 10.14%, 7 participants • Richmond: 10.14%, 7 participants • Burnaby: 8.70%, 6 participants • Surrey: 5.80%, 4 participants • West Vancouver: 42.90%, 2 participants • New Westminster: 1.45%, 1 participant • District of North Vancouver: 1.45%, 1 participant • Port Coquitlam: 1.45%, 1 participant • Tsawwassen: 1.45%, 1 participant • White Rock, 1.45%, 1 participant • Anmore: 0.00%, 0 • Belcarra: 0.00%, 0 • Bowen Island: 0.00%, 0 • Coquitlam: 0.00%, 0 • City of Langley: 0.00%, 0 • Township of Langley: 0.00%, 0 • Lions Bay: 0.00%, 0 • Maple Ridge: 0.00%, 0 • City of North Vancouver: 0.00%, 0 • Pitt Meadows: 0.00%, 0 • Port Moody: 0.00%, 0 • Electoral Area A: 0.00%, 0
Primary Language	• English: 94.44%, 68 participants • Cantonese: 1.39%, 1 participant • Farsi: 1.39%, 1 participant • French: 1.39%, 1 participant • Other: 1.39, 1 participant (French also) • German: 0.00%, 0 • Korean: 0.00%, 0 • Mandarin: 0.00%, 0 • Spanish: 0.00%, 0 • Tagalog: 0.00%, 0 • Punjabi: 0.00%, 0

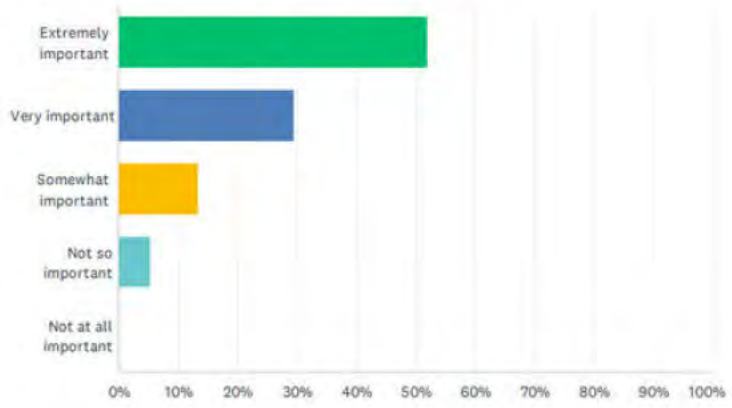
Participant Demographics

Age:	• 36-52: 34.11%, 26 participants • 19-35: 33.33%, 24 participants • 53-65: 22.22%, 16 participants • 66-74: 6.94%, 5 participants • 75 +: 1.39%, 1 participant • 18 years or younger: 0.00%, 0
Business Location Type(s):	• Office: 42.03%, 29 participants • From Home: 29.99%, 20 participants • Warehouse: 27.54%,19 participants • Factory: 23.19%, 16 participants • Studio: 21.74%, 15 participants • Mixed Use: 13.04%, 9 participants • Other (please specify): 7.25%, 5 participants (1. Studio and offices 2. our primary shredding plant is in Quebec, where the textile infrastructure is mostly located in Canadap 3. Veterinary 4. Textile Wholesaler 5. Co-working Office) • Storefront: 5.80%, 4 participants
Import Garments:	• No: 74.65%, 53 participants • Yes: 25.53%, 18 participants
Annual Import Quantities/ Insights:	• 10000+ • N/A • 20,000pcs • Import fabrics • 100,000's • Very little – we predominantly manufacture domestically. Less than 1500 pcs per year are imported and those are ones we can't produce here. • 5000–10,000 • 3 – 5k pcs per year. The vast majority of the garments we produce go directly to the U.S. Most of our imports are samples and projects for small local clients. • Confidentail, several hundreds of thousands • Much more than the average household, but not as much as a retailer. It is for film/costumes • 30000 • 100,000pcs • 5000

Survey Results

Q1 Incentives for recycling and waste reduction – for businesses and individuals

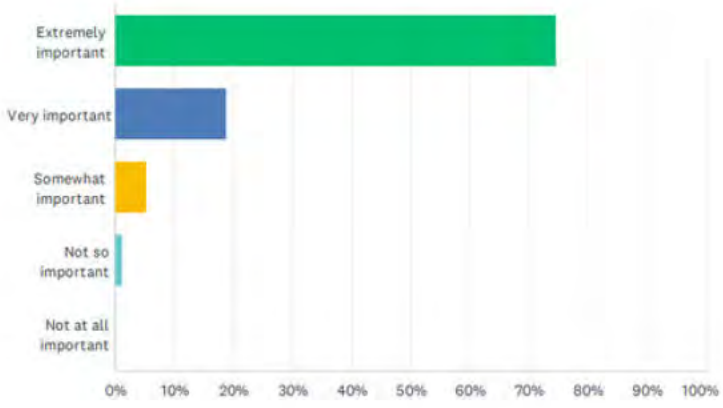
Answered: 75 Skipped: 1



ANSWER CHOICES	RESPONSES	
Extremely important	52.00%	39
Very important	29.33%	22
Somewhat important	13.33%	10
Not so important	5.33%	4
Not at all important	0.00%	0
TOTAL		75

Q2 Affordability and accessibility of recycling and waste disposal options

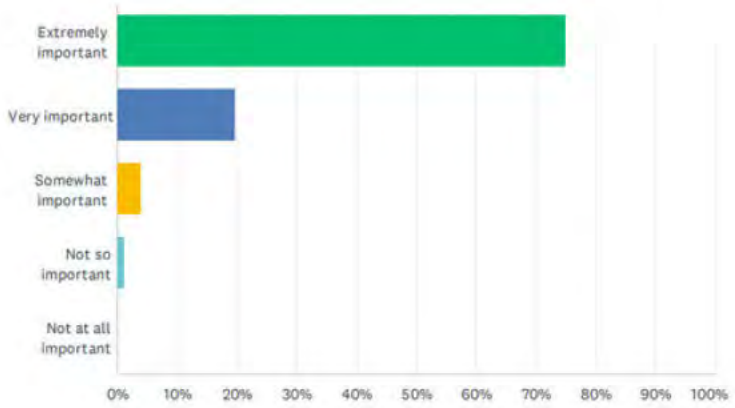
Answered: 75 Skipped: 1



ANSWER CHOICES	RESPONSES	
Extremely important	74.67%	56
Very important	18.67%	14
Somewhat important	5.33%	4
Not so important	1.33%	1
Not at all important	0.00%	0
TOTAL		75

Q3 Convenience and consistency – waste and recycling services that are easy to understand and simple to use

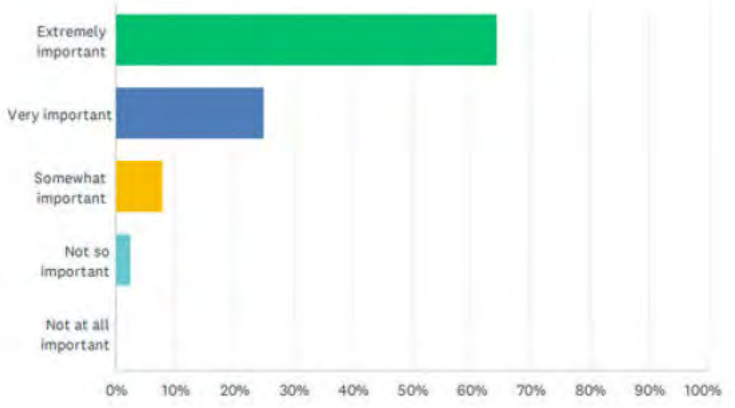
Answered: 76 Skipped: 0



ANSWER CHOICES	RESPONSES	
Extremely important	75.00%	57
Very important	19.74%	15
Somewhat important	3.95%	3
Not so important	1.32%	1
Not at all important	0.00%	0
TOTAL		76

Q4 Equity and societal improvements - All groups have access to information, education and services

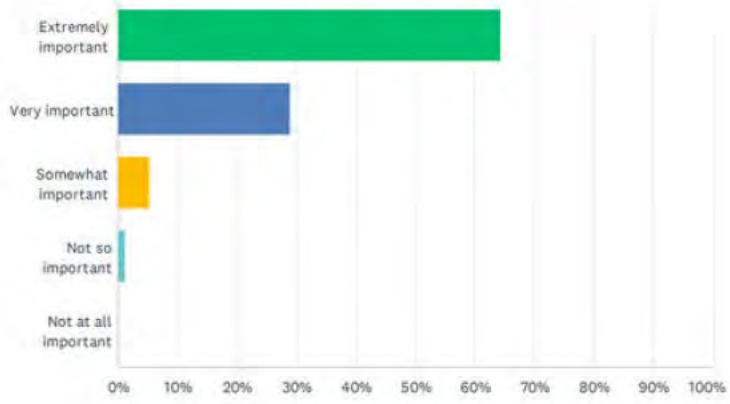
Answered: 76 Skipped: 0



ANSWER CHOICES	RESPONSES	
Extremely important	64.47%	49
Very important	25.00%	19
Somewhat important	7.89%	6
Not so important	2.63%	2
Not at all important	0.00%	0
TOTAL		76

Q5 Product design and innovation – designing products to be more circular and regenerative

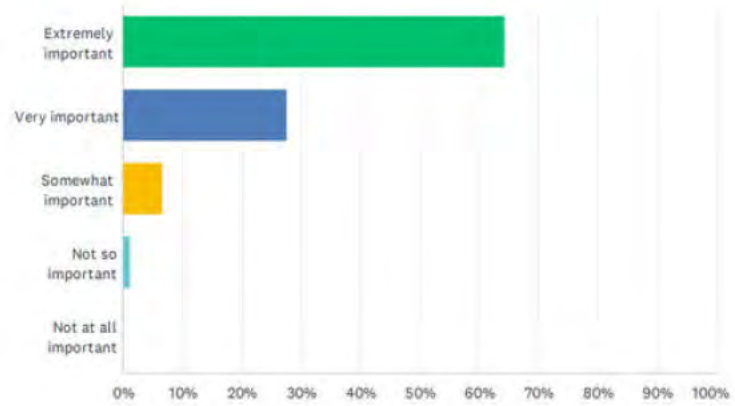
Answered: 76 Skipped: 0



ANSWER CHOICES	RESPONSES	
Extremely important	64.47%	49
Very important	28.95%	22
Somewhat important	5.26%	4
Not so important	1.32%	1
Not at all important	0.00%	0
TOTAL		76

Q6 Accountability and transparency for producers and consumers to reduce waste

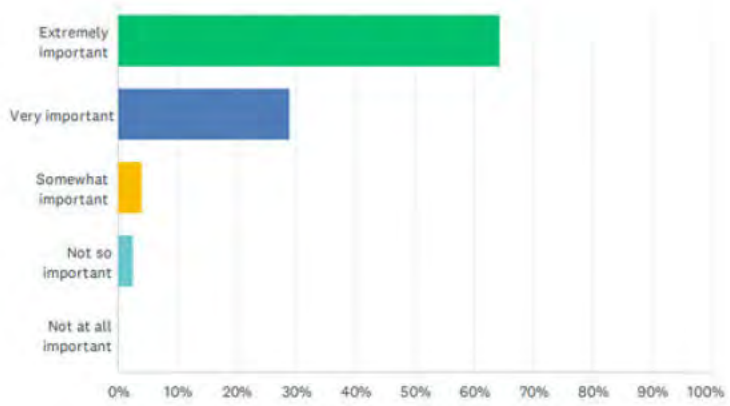
Answered: 76 Skipped: 0



ANSWER CHOICES	RESPONSES	
Extremely important	64.47%	49
Very important	27.63%	21
Somewhat important	6.58%	5
Not so important	1.32%	1
Not at all important	0.00%	0
TOTAL		76

Q7 Education and behaviour change – changing how we think about waste and what we purchase

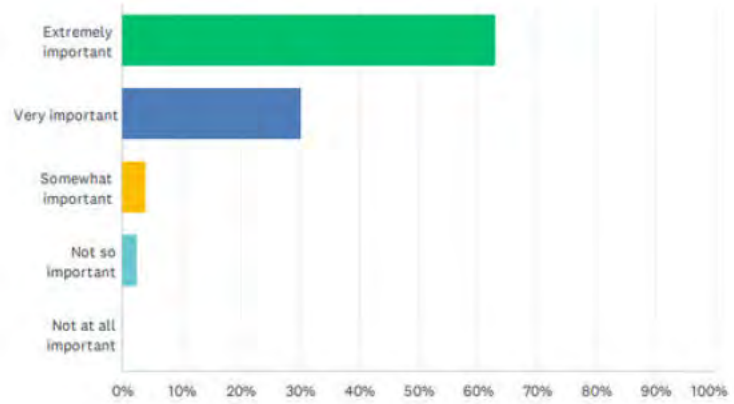
Answered: 76 Skipped: 0



ANSWER CHOICES	RESPONSES	
Extremely important	64.47%	49
Very important	28.95%	22
Somewhat important	3.95%	3
Not so important	2.63%	2
Not at all important	0.00%	0
TOTAL		76

Q8 Environmental stewardship – protection of natural spaces

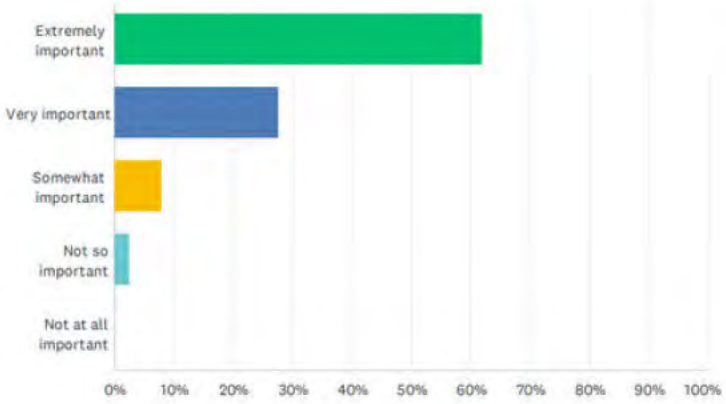
Answered: 76 Skipped: 0



ANSWER CHOICES	RESPONSES	
Extremely important	63.16%	48
Very important	30.26%	23
Somewhat important	3.95%	3
Not so important	2.63%	2
Not at all important	0.00%	0
TOTAL		76

Q9 Climate resilience – investing in systems with low climate impact

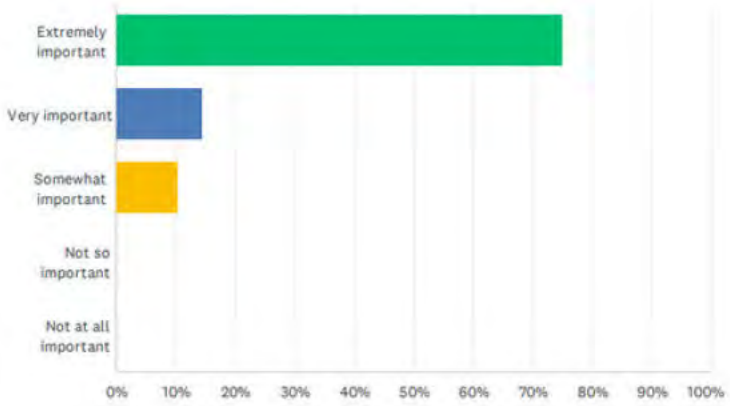
Answered: 76 Skipped: 0



ANSWER CHOICES	RESPONSES	
Extremely important	61.84%	47
Very important	27.63%	21
Somewhat important	7.89%	6
Not so important	2.63%	2
Not at all important	0.00%	0
TOTAL		76

Q10 Circular economy - reuse, repair, and thrifting instead of throwing things away

Answered: 76 Skipped: 0



ANSWER CHOICES	RESPONSES	
Extremely important	75.00%	57
Very important	14.47%	11
Somewhat important	10.53%	8
Not so important	0.00%	0
Not at all important	0.00%	0
TOTAL		76

BESIDES THE 10 THEMES ABOVE, ARE THERE ANY OTHERS THAT SHOULD BE CONSIDERED?

Answers (1 of 2):	• Reduction, reuse, recyclability of ALL elements of packaging and product support (No packaging if possible, PLA blister packaging where required, QR codes vs. manuals, befriendly inks,etc) • awareness of recycling education program • Incentive tiers / badges for companies that achieve higher levels of success. • The list seems very thorough. Thought: investment in recycling and infrastructure to more adequately handle the volume of materials (I.e., bio plastics) • Creation of government programs beyond SR & ED Tax credits to ignite faster changes and developments in material innovation for the product creation industries. • I find prices higher for recycled products. It should be cheaper!. Without customer investment, policy does not translate into results • Have Metro Vancouver and the province of BC stop throwing their non biodegradable, nor incinerable flame resistant workwear from going to landfill, when their is a closed loop made in Canada recycling program right in their own back yard and readily available. • This is a smaller city but having fabric recycling spots in the city where people can give away old rags will be ideal. • Realistic and practicality of implementing above said themes • Natural fibers over man-made= better quality for the consumer and circular industry once items are exhausted they can be composted. • Things that biodegrade are a part of the circular economy • Think local. We need to change purchasing habits & we need to set an example. Buy local - food, clothes, products. This needs to happen in corporate purchasing and by our government and crown corps.

BC APPAREL & GEAR

BESIDES THE 10 THEMES ABOVE, ARE THERE ANY OTHERS THAT SHOULD BE CONSIDERED?

Answers (2 of 2):	• Supporting design for circularity through education to businesses. • Bring back single use plastics The paper is causing more garbage And it is gross. The fibres from the “paper straws” are extremely toxic to humans And not to mention the multiple cases of micro metals found in all of these single use paper products • Produce longer lasting more versatile products. Reeducate consumers that overconsumption is destroying our climate • Alignment with Global/European policies and standards. • A unified message on all fronts, K-12 schools , post secondary , institutions and business. • Practicality vs idealism. • 1. Workshops/Community Fairs/Events around understanding waste management for common people 2. Visibility of what happens to different waste streams • Consume less • All clothing and fabric needs to be recycled and turned into insulation or rugs or a durable fabric for car seat interiors etc. • Education is so important. Even a simple pamphlet circulated to each household would be great. Even with our current recycling program, I spend so much time standing in front of the recycling bin with a miscellaneous piece of plastic in my hand wondering if it can be recycled or is garbage. • 24 Hosting repair workshops

PLEASE SHARE ANY OTHER SPECIFIC COMMENTS OR IDEAS ABOUT WHAT YOU THINK SUCCESSFUL SOLID WASTE MANAGEMENT SHOULD LOOK LIKE IN THE FUTURE.

Answers (1 of 3):	• Look at the transfer network of goods and focus on the common nodes not the end points. Directly changing behaviors of producers and consumers seems easy but is difficult and remote from the solution. If you require retailers to take back packaging (like was done in Germany years ago), a lot less packaging use will quickly result. • I am in the clothing industry and I have not found many places to recycle fabric scraps • Mandate the Recycling and Global warming program in school Curriculum and recommended credits to take for the Post Secondary Education! • Higher solid waste diversion rates need to be coupled with local recycling into new usable materials so that those materials are not diverted into other regions / countries. Circular economies are more environmentally responsible if they exist within a contained geographic region. • More initiatives around tackling overconsumption at all levels of the industry. More research and developement on smart materials and skill-sharing for salvage & repair/reuse programs. • Well, currently it is hard to believe that recycling is actually happening. Is there proof? Do we know the efforts we are putting in make any difference whatsoever? It kinda feels like it isn't happening so there is a why bother attitude. Let's think about that for a second. • From the industrial workwear standpoint, we would like to see 3 things with regards to disposal of flame resistant aramid workwear garments and fabric scraps...1) Metro Van etc to stop throwing their non biodegradable textile waste into landfill, 2) Build recycling points into the public tender bidding process, as the closed loop system for this waste stream is available to all manufacturers supplying you. 3) Use your Metro Van big stick and tell industries to stop putting this type of waste into landfill. • These all feel very important so hard to prioritize or rank some lower

BC APPAREL & GEAR

PLEASE SHARE ANY OTHER SPECIFIC COMMENTS OR IDEAS ABOUT WHAT YOU THINK SUCCESSFUL SOLID WASTE MANAGEMENT SHOULD LOOK LIKE IN THE FUTURE.

Answers (2 of 3):	• A more extensive garbage collection where the waste produced gets thrown back into the production of manufacturing • 1. Consumers need to be incentivized by retailers to upcycle, recycle, and buy less. Incentives need to hit the pocketbook; if you don't need the incentive, then opt to pay it forward as an in-kind donation. 2. Education in the schools. Children influence their care providers and peers. Get the schools more involved. • We love seeing what other creative recycling programs are doing. Specifically, Raven Recycle in Whitehorse. As glass was not recyclable in the Yukon, they recently purchased a specific type of kiln and partnered with the local glassblowing community. They have an artist residency programs that gives artists the ability to pull any materials they want from the depot. Generally speaking, ways to involve the community in different ways, and to engage artists inusing found/recycled/sustainable materials. • Get plastic out of our lives! Specifically in clothing, single use food containers and wrap. • Grants or support for new businesses that can help with textile waste recycling. There currently is no infrastructure. • Bring back single use plastic Paper did not do nothing good for the environment or for the people living in this environment • 16 Digital Product Passports for all products and all supply chains. Full transparency, shared accountability and actual extended product responsibility that minimizes government / taxpayer waste management services. Shift the burden back to private profits.

PLEASE SHARE ANY OTHER SPECIFIC COMMENTS OR IDEAS ABOUT WHAT YOU THINK SUCCESSFUL SOLID WASTE MANAGEMENT SHOULD LOOK LIKE IN THE FUTURE.

Answers (3 of 3):	• Linking reuse, repair and recycling groups all together • The ability to recoup some of the costs associated with recycling. Clearer, more easier to access guidance around recycling of non-standard items (ie. Paper, plastic etc.) • Transparency on the use of waste, share lifecycle story, what is hard, what is easy. Progressive programs that support business that will not have the resources to change all at once. • I just threw out a massive bag of textiles, they where no longer wearable, and I had no where to recycle them. • There are many options that can be extended with the use of recycled clothing and fabrics • I think moving away from plastic packaging is essential to our future. I also believe that having consistent and transparent processes for managing compostable packaging is a must across Canada. • Having regional drop centres for textile waste

Summary

In creating and sending our “Solid Waste Management in Metro Vancouver” survey, we hoped to assist the city in gathering thoughts on the creation of its new plan. Using the resources of both KenDor Textiles and BCAG, we sent three email blasts to a list of 1500+ subscribers as well as social media postings to 1500+ followers. In total, we received 76 responses to the survey. While the written answers we received were very insightful, the lack of engagement was our biggest challenge. The quality of our replies was high and specifically came from the textiles and fashion industry. We hope this will be beneficial during the city’s planning stage.

In our written responses, the main takeaways are as follows; education on the current and new systems, incentives for proper recycling and sustainability, and proper textile recycling spots. Our full responses can be found in this report, but education stands out as the most important to the surveyed people.

As mentioned above, the most challenging aspect of this activity was the lack of engagement. This reads to us as a sign that this industry and the city might consider prioritizing brainstorms and ideas on how to get the public interested in this subject. Sustainability and environmental health, as we all know, are of the utmost importance. Although it has been and continues to be discussed worldwide, the general public doesn’t seem interested in the topic based on this experience. We suggest more groundwork be done to engage the community at large via short-form, easily digestible content through platforms such as TikTok, Instagram and YouTube, as a way to create more public interest when engagement activities such as this are distributed.

Metro Vancouver Solid Waste Management Public Engagement
Report prepared by Binners' Project for Metro Vancouver

About Us

Binners' Project is a group of waste-pickers aided by support staff dedicated to improving their economic opportunities, and reducing the stigma they face as informal recyclable collectors.

Binners' Project is a project on MakeWay's Shared Platform, which provides operational supports, governance, and charitable expertise for changemakers. MakeWay is a national charity that builds partnerships and solutions to help nature and communities thrive together.

Overview

Binners' Project created a low-barrier engagement strategy that focused on gathering feedback on Metro Vancouver's update to the Solid Waste Management Plan from community waste experts, binners. Binners are among one of the most marginalized groups in urban areas, and they bring valuable feedback to the solid waste systems and insight into the public's approach to disposing of waste.

The goal of the strategy was to collect binner feedback in a manner that was informed and in an accessible environment. The strategy was designed in two parts: Binners' Project members conducted in-person surveys with local binners at bottle depots in the Downtown Eastside and at the Coffee Cup Revolution, an income-generating event for binners that Binners' Project hosts at Victory Square Park annually. Binners' Project core staff facilitated the second portion of the engagement through consultations. The development of the engagement strategy to the final survey took place from the beginning of September to the first week of November.

Language barriers, choice of wording, design/layout of the survey, along with the complexity and lack of background knowledge of the Solid Waste Plan provided challenges for binners to complete the survey. Overall the engagement plan received positive feedback despite these challenges. Participants expressed appreciation for being heard and included in the study. Between October 4th and November 1st, 81 surveys were completed, two consultations were hosted and 33 people attended.

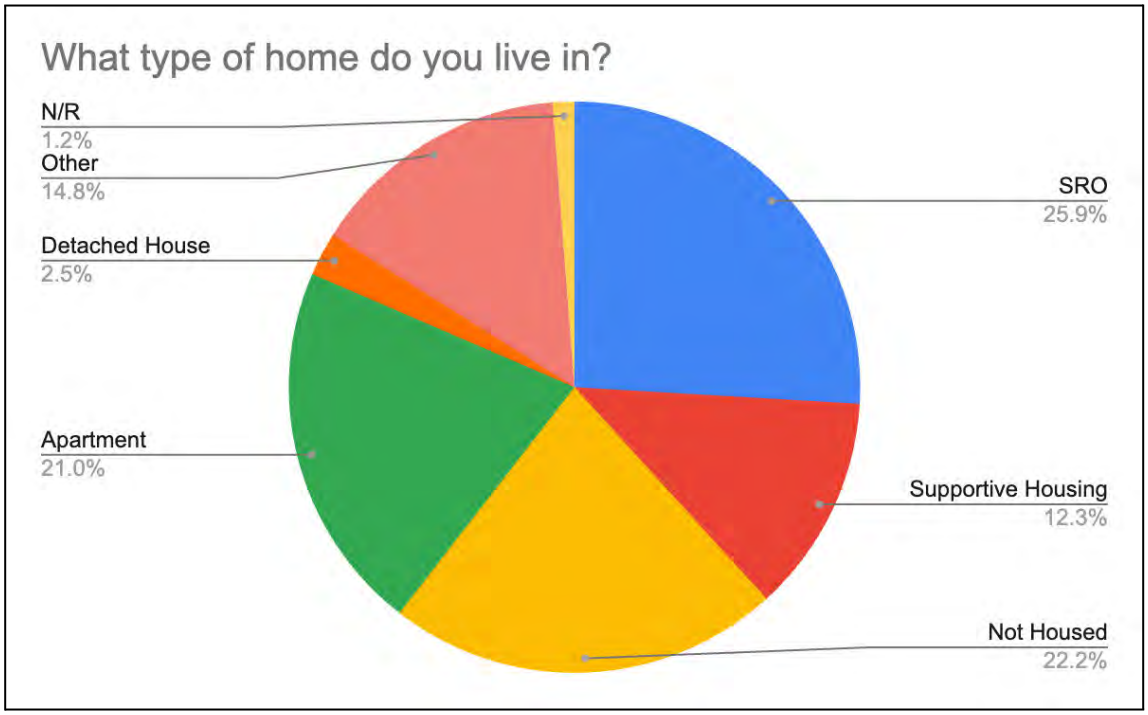
Engagement Strategy

Survey Methods

Binner-conducted surveys were staged from October 10th to November 1st. Binners' Project members were deployed in pairs to local bottle depots for two-hour shifts. The first survey shift on October 10th was intentionally staged before the Coffee Cup Revolution to identify any challenges with the survey and make any adjustments for binners leading and participating in the survey. Binners were approached, informed of the updated solid waste plan and offered to participate in the survey. Interested participants were then provided with a printed survey to complete by themselves or on their behalf by the surveyor.

Surveys were conducted on October 12th at Victory Square Park at Coffee Cup Revolution, an event identified as an engagement location due to its high concentration of community binners, by two Binners' Project members. Community binners were approached in the depot line while they waited for their cups to be counted. Line engagement occurred from 10:30am to 2:00pm. Participants who expressed a greater interest in the Solid Waste Plan were then invited to attend a consultation session the following day, on October 13th.

Participants of the survey spoke primarily English, with 77% stating that the language was spoken in their residential homes. Other languages noted were Cantonese, Farsi, French, German, Mandarin, and Spanish. 60% of survey participants reported they reside in supportive housing, SROs or disclosed that they had no housing. The highest participating age group (25.6%) was 46-55 years old. 33% of participants stated they lived in Vancouver (62.9% didn't disclose what city they lived in).



Consultation Methods

Two consultations were hosted at 312 Main St, one on October 4th and the other on October 13th. Consultations were facilitated by a Binners' Project core staff member. The first consultation was open to Binners' Project members. 15 members were invited, 13 attended. The format of the consultation followed what was structured in the toolkit provided by Metro Vancouver's engagement team. Explanation of the Solid Waste Plan was discussed, followed by elaboration on the themes, top and bottom priorities and the lastly completion of the surveys. Surveys were offered to be completed in the consultation or taken home for later completion.

The second consultation was offered to community members who expressed deep interest following their survey participation at the Coffee Cup Revolution. 20 people were invited, 20 people attended. As the

survey was already completed during the Coffee Cup Revolution the format of the consultation focused on top and bottom theme priorities.

Participant demographics from the first consultation included; 45% identified as English speakers (36% didn't provide an answer), 36% stated they reside in supportive housing (45% didn't provide an answer), 27% were in the 56-65 age group, and 27% noted they reside in Vancouver (73% didn't provide an answer). Demographic data was not collected from the second consultation as those participants had already completed the survey and provided that information.

Survey Results and Summary

81 surveys were completed during the engagement period. Survey responses identified "Incentives" and "Circular Economy" as the top priority themes. Little explanation was provided as to *why* incentives were prioritized, excluding one statement that said "higher deposit fees on more items increases returns." Circular Economy was identified as a priority due to its environmental consideration. Participants commented that reducing waste and investing in reusable and sustainable materials, as opposed to single use items, will have a positive environmental impact. In addition to the top two themes, "Education and Behaviour Change", along with "Design and Innovation" were included in the top four priorities. 40% of respondents didn't elaborate as to why they chose their top priorities.

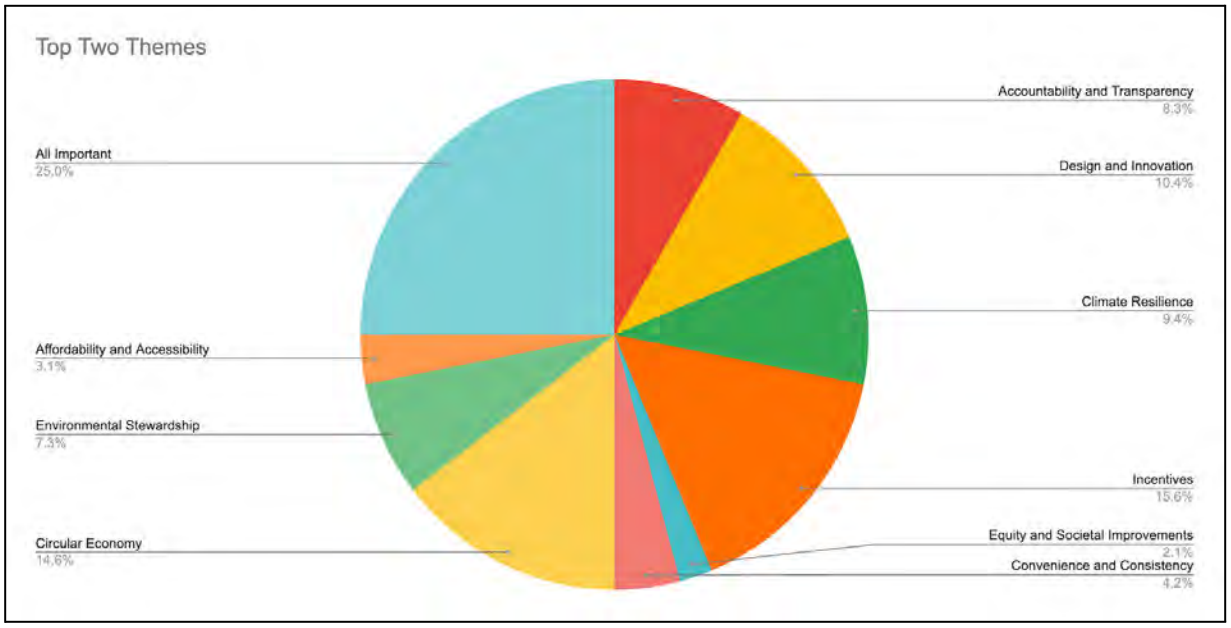
The two themes of "Design and Innovation", and "Affordability and Accessibility" produced the most votes for the *least* important themes. No explanation was provided as to why these two themes were listed as unimportant.

"Design and Innovation" proved to be the most polarizing theme, with it being voted highly in both the most and least important themes. While no explanation was provided as to why it was unimportant, there was reasoning supplied for its prioritization. Participants expressed a need to reduce single use items and instead invest in designing products that are reusable, biodegradable, reliable and reduce consumer costs.

37% of respondents identified all themes as 'Very Important.' The emphasis on the importance of all themes can be seen in the reduced response to themes of least priority. 56% of responses didn't identify two bottom priorities at all. Additionally, 53% of respondents who didn't identify two bottom themes used the final questions of the survey as a platform to communicate their concerns and challenges *outside* of the solid waste plan, particularly around housing. Out of those who provided bottom choices, 52.8% of them did not provide an explanation as to why they chose those themes.

See the following appendices for more detail on the surveys:

- Appendix 1 - Survey Response Forms (Does not include Oct 10th surveys)
- Appendix 1.1 - Survey Response Tracking
- Appendix 2 - Survey Response Forms (October 10th surveys)
    - *The method for these surveys was slightly different than the preceding surveys so those forms have been separated for posterity*



Consultation Results and Summary

Binners' Project members were very engaged in the first consultation. This resulted in a longer conversation and consequently not all content that was planned was covered. Top two and bottom two choices were either briefly explained or not at all. This resulted in a reduced response rate to those particular questions.

Participants requested a deeper explanation of the Solid Waste Management Plan before engaging further in the consultation. Clarity was asked on Metro Vancouver's Solid Waste responsibility, the plan's geographical range, and the waste collection process. Participants also required definition and elaboration of the following themes and terms; "circular economy", "extended producer responsibility", and the recycling process. "Design and Innovation" and "Convenience and Consistency" were voted as the top two priority themes. "Convenience and Consistency" was prioritized due to a need for a streamlined waste sorting process and consistent communication on how to navigate that process. Similar to the survey responses, participants chose design and innovation of products to step away from single use items and invest in reusable materials to reduce environmental impacts.

An additional concern raised by the group was a need for further garbage cans in the Downtown Eastside, and around the city. It has been noticed by binners that accessible garbage cans have been removed, particularly from the Downtown Eastside, which impacts a binner's ability to collect refundables and divert waste. One individual backed up the benefit of this service by stating that there needs to be better sorting processes in place to reduce the amount of waste going to landfills. Binners are currently contributing to that service but the city can benefit further if more binner-friendly bins were implemented.

The second consultation focused on top and bottom choices as participants had already completed the survey at Coffee Cup Revolution, and it was identified that responses to theme prioritization were low. All surveys completed at Coffee Cup Revolution are included in the survey results and summaries. Top and bottom themes from the consultation are included in the consultation results and summaries. Participants provided their top two choices more easily than the bottom two, with the latter having a significantly decreased response rate. Participants required explanation for the following terms and processes; Extended Producer Responsibility and Metro Vancouver's solid waste systems. The multiple systems created in Metro Vancouver to dispose of various types of plastics was communicated as confusing and unnecessary. "Why can't they [plastics] be recycled in the same bin like cardboard?...It's all plastic...it should go together. How can we change that?"

The conversation in the second consultation was not as in depth or as collaborative compared to the Binners' Project member consultation. Opinion statements were documented but often minimal elaboration was provided despite encouragement from the facilitator. "Education and Behavioural Change" was voted as a top priority. Consistent and accessible information was flagged as a needed development, as there is varying understanding on how waste can be sorted properly. It was noted that a change in mindset and perception towards waste is needed for people to understand the impact of consuming and incentivise them to recycle properly. "We are in a throw away world. People need to think about what they are buying so they can think before they throw it away. People don't know what they are throwing away." "Affordability and Accessibility", "Environmental Stewardship", "Convenience and Consistency", and "Design and Innovation" were additional themes noted as priorities. One participant emphasized the need for 24/7 recycling centers and another proposed idea was a charge-by-weight garbage collection service in residential buildings to incentivise residents to sort their waste properly.

There was no leading theme prioritized in the bottom section. "Accountability and Accessibility", "Design and Innovation", "Climate resilience", and "Equity and Societal Improvements"were mentioned but 85% of participants chose not to provide a bottom priority.

This could have been due to the comfort of participants. Binners' Project members were familiar with the space, the facilitator and other participants in the consultation, whereas participants in the second consultation did not have that level of familiarity. This was reflected in the feedback with a few people commenting that they did not feel comfortable in participating or providing their opinion.

Collectively between the two consultations, "Design and Innovation of Products" and "Convenience and Consistency" were voted the most important to prioritize.

Consultation Participant Feedback Summary

Overall the feedback from the consultations was positive, participants stating that they either strongly or simply agreed on survey questions. 93% of feedback was positive, with only one response stating that the workshop was biased, one response stating they didn't feel comfortable sharing their perspective, and one response stating that they didn't have enough information to participate. All responses that disagreed with an aspect of the consultation were in response to the second consultation, which was only open to community binners. The unfamiliarity of the space, the other participants, and the facilitator could have

contributed to the feelings of discomfort and their ability to express their opinion. Meanwhile Binners' Project members in the first consultation would have been familiar with all three of these factors, which could have impacted their comfort level and consequently contributed to a more in depth discussion.

Comments for improvement included the following; the facilitator ensuring one person spoke at a time, elaboration on the 'how to' process of the survey and solid waste engagement plan, a more enlightening survey, and a reflection on why addressing top and bottom themes were important.

See the following appendices for more detail on the consultations:

- Appendix 3 - Consultation #1 Survey Responses and Notes
- Appendix 3.1 - Consultation Engagement Notes
- Appendix 4 - Consultation Feedback and Notes
- Appendix 5 - Consultation Response Tracking

Overall Results and Recommendations

Binners' Project undertook a comprehensive low-barrier engagement strategy to gather feedback on Metro Vancouver's update to the Solid Waste Management Plan from the marginalized community of binners in Vancouver's DTES. Despite challenges such as language barriers and the complexity of the Solid Waste Plan, the engagement plan received positive feedback, with participants expressing gratitude for being included.

The survey results indicated a strong emphasis on the importance of all themes, with "Incentives" and the "Circular Economy" identified as top priorities. The consultations further highlighted the need for clarity on the Solid Waste Management Plan, definitions of terms, and explanations of themes. Participants emphasized the importance of convenient waste sorting processes, increased garbage cans, and a shift towards reusable materials.

The feedback from both consultations was generally positive, but some participants in the second consultation, open to community binners, expressed discomfort, potentially due to unfamiliarity with the facilitators and inexperience with consultations. Overall, the feedback suggested a need for clearer communication, more engaging surveys, and a focus on addressing both top and bottom themes.

Recommendations:

1. Improved Communication: Enhance communication about the Solid Waste Management Plan, including geographical scope, waste responsibility, and key terms, to ensure a better understanding among participants.
2. Enhanced Survey Design: Improve survey design by providing clearer instructions, incorporating more engaging elements, and ensuring language accessibility to minimize challenges faced by participants.

3. Focus on Reusable Materials: Encourage a shift towards reusable materials through education and incentives, supporting the community's desire to reduce single-use items and promote sustainability.
4. Equity and Inclusivity: Continue efforts to reduce barriers to participation for underrepresented or marginalized populations, ensuring that the engagement strategy remains inclusive and accessible to all community members.

By incorporating these recommendations, future engagement initiatives can build on the success of this consultation, fostering a more inclusive and effective dialogue on solid waste management in Metro Vancouver.

Appendix

Appendix 1 - Survey Response Forms (minus first bottle depot engagement on Oct 10th)
Appendix 1.1 - Survey Response Tracking
Appendix 2 - Survey Response Forms (first bottle depot engagement survey Oct 10th)
Appendix 3 - Consultation #1 Survey Responses and Notes
Appendix 3.1 - Consultation Engagement Notes
Appendix 4 - Consultation Feedback Tracking and Form Responses
Appendix 5 - Consultation Response Tracking
Appendix 6 - Engagement Finance Report

Post-Engagement Report

Report Submitted by: Sheila Molloy, Executive Director, Coast Waste Management Association

Submitted to: Brooke Atkinson, Engagement Specialist, Solid Waste Services, Metro Vancouver

THE GOAL

The goal of the engagement was to support Metro Vancouver Solid Waste Management Plan Update consultation process and to ensure a better representation of feedback from environment-based groups who are an important audience Metro Vancouver wishes to ensure feedback from.

As this was a resident survey, the benefit of the feedback is informed by the participants work in the environmental community as well as their view as residents, both of which will be affected by the outcomes of the final Solid Waste Management Plan.

We did hear back from four (4) members who let us know they had already taken the survey, which established to us that we were one of many paths supporting to Management Plan Update to get as many in as possible.

ABOUT THE PARTICIPANTS

The Coast Waste Management Association (cwma.ca) is a highly regarded, non-profit membership association serving the solid waste management industry across British Columbia. We are comprised of 192 member organizations with over 950 individual participants engaged in our community and a greater industry outreach of over 3500.

Our members and industry contacts are comprised of people involved in recycling, composting, deconstruction, extended product stewardship, marine debris management, waste disposal, waste education and consulting, and managing solid waste facilities. The participants on this activity are highly informed in matters of the environment and solid waste management specifically.

ENGAGEMENT ACTIVITY

CWMA sent out a survey to our members and our industry mailing lists regardless of geography to take advantage of the opportunity to build awareness of Metro Vancouver's work on their SWMP consultation and to support future engagement activities by setting a tone of collaboration.

Two separate information emails were sent one week apart. The emails included general information on the Metro Van Solid Waste Management Planning Consultation and a link to the survey which was the same public survey model (all base questions) being used by Metro Vancouver [redacted]

Email 1 | November 14, 2023

3376 Sends | 1496 (51%) opens | 127 (4%) clicks (all items) | 57 Survey Link Clicks

Email 2 | November 21, 2023

3368 Sends | 1008 (35%) opens | 84 (3%) clicks (all items) | 74 Survey Link Clicks

SURVEY RESULTS

The Full Survey Data in Excel Format is available here:
[redacted]

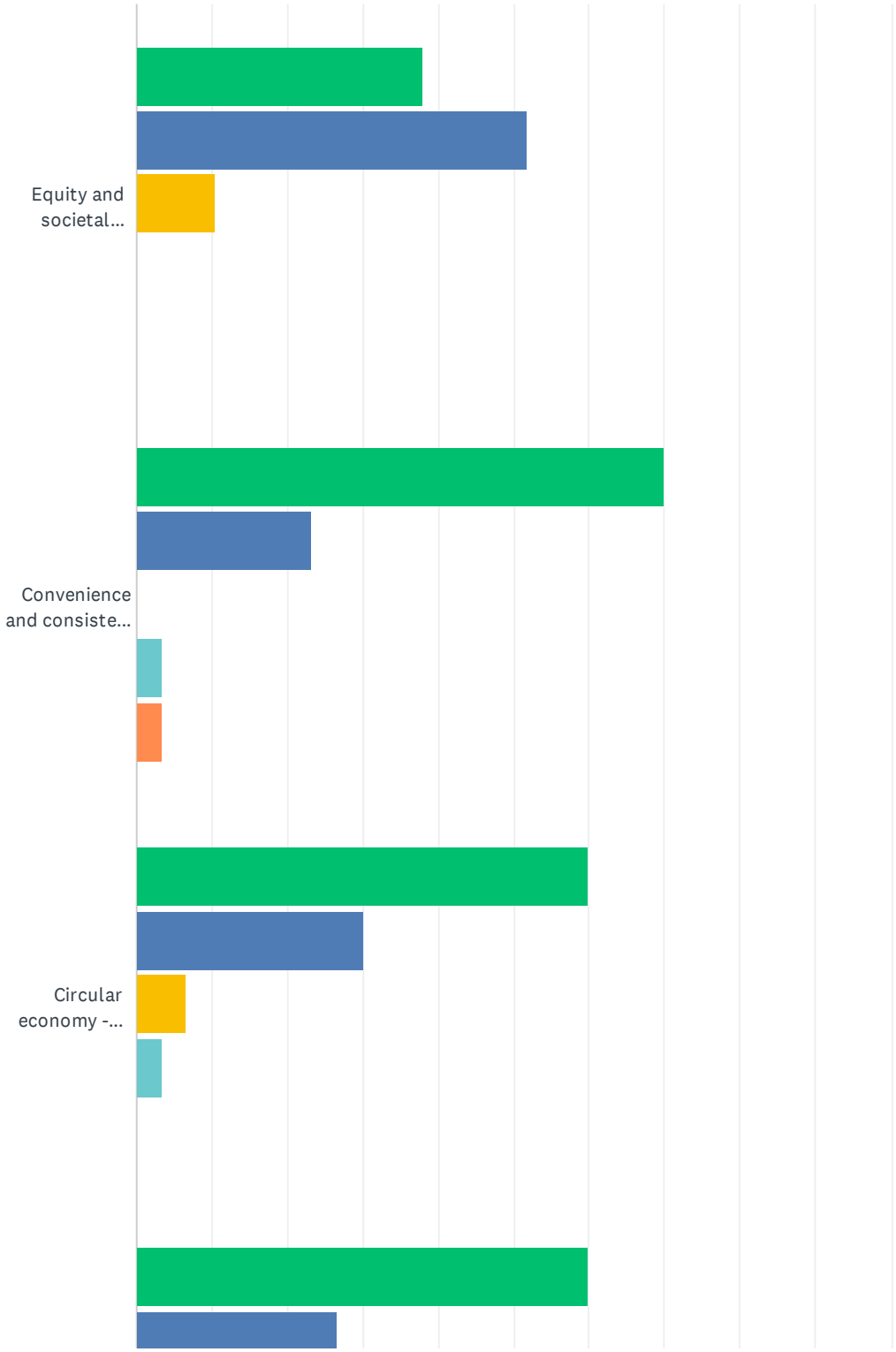
The Summarized of the Survey Results is available here:
[redacted]

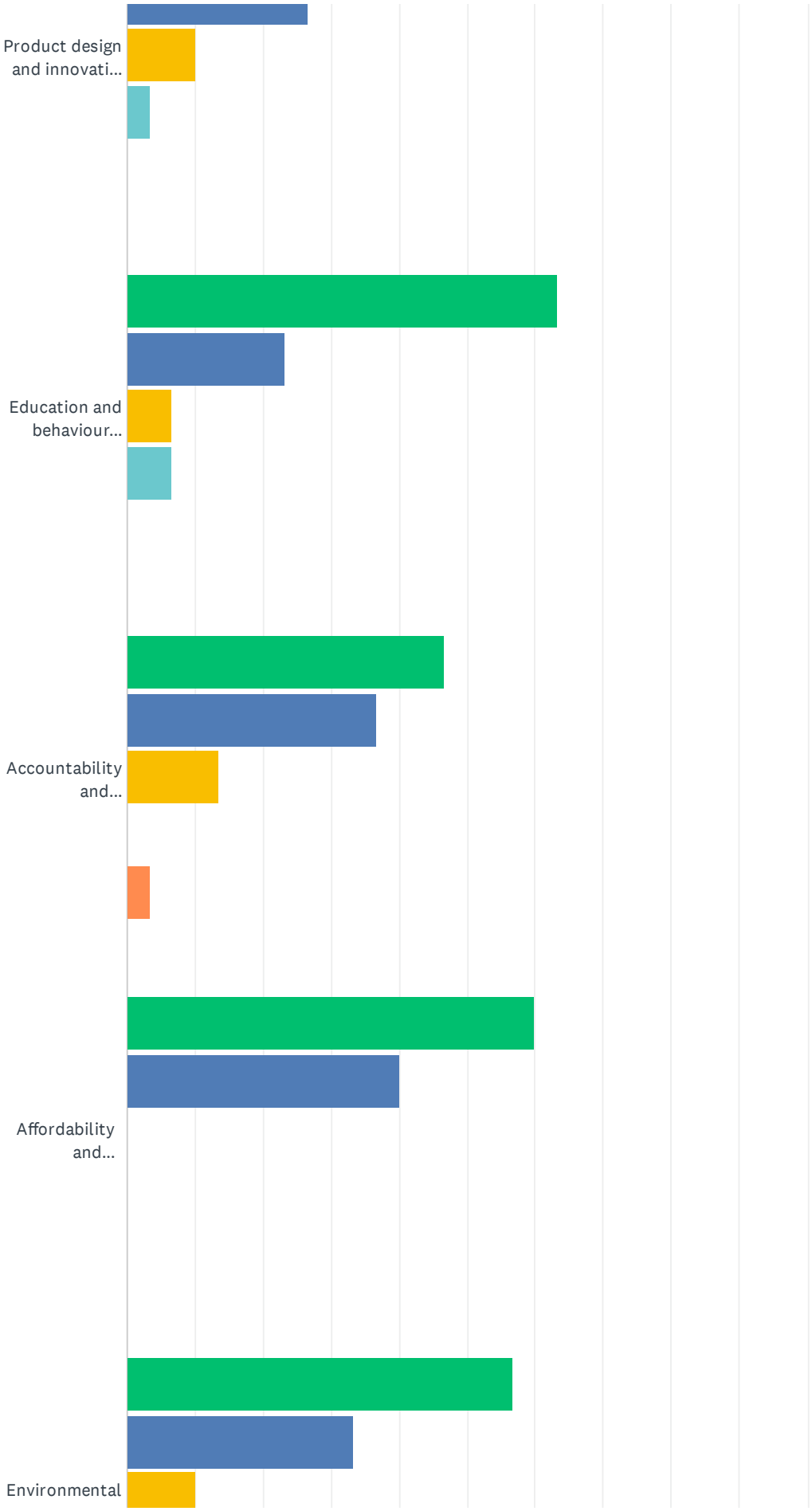
Copies of the emails sent
November 14 [redacted]
November 21 [redacted]

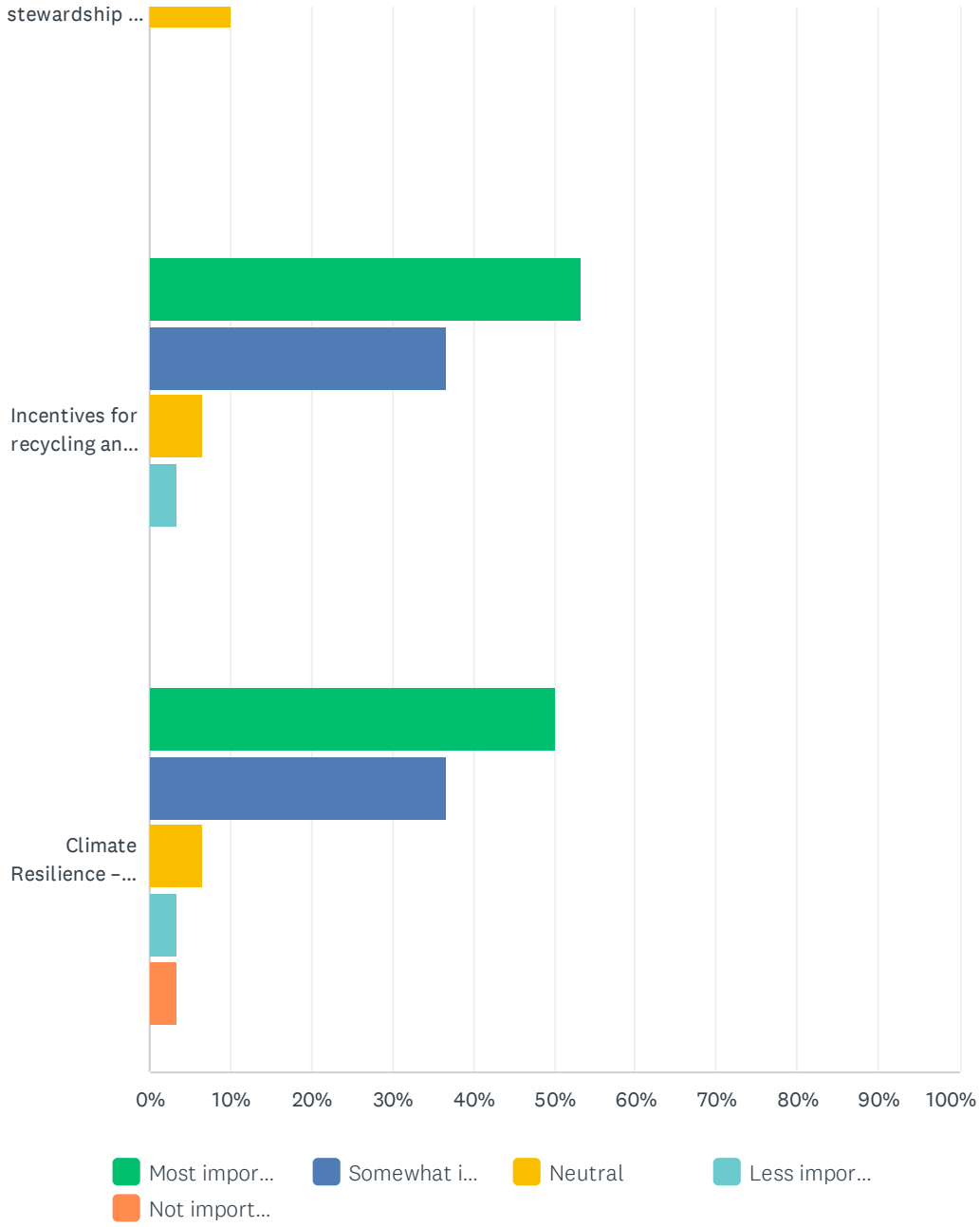
Thanks to Metro Vancouver for the opportunity to collaborate and support this important work.

Q1 A number of themes have been identified as potentially informing the vision and guiding principles for the updated solid waste management plan. Thinking of how we purchase, use, reuse, recycle, and throw things away in Metro Vancouver, please rank the following values and priorities.

Answered: 30 Skipped: 0




Product design and innovati...
Education and behaviour...
Accountability and...
Affordability and...
Environmental


stewardship ...
Incentives for recycling an...
Climate Resilience –...
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
Most impor...
Somewhat i...
Neutral
Less impor...
Not import...

	MOST IMPORTANT	SOMEWHAT IMPORTANT	NEUTRAL	LESS IMPORTANT	NOT IMPORTANT	TOTAL
Equity and societal improvements - All groups have access to information, education and services	37.93% 11	51.72% 15	10.34% 3	0.00% 0	0.00% 0	29
Convenience and consistency – waste and recycling services that are easy to understand and simple to use	70.00% 21	23.33% 7	0.00% 0	3.33% 1	3.33% 1	30
Circular economy - reuse, repair, and thrifting instead of throwing things away	60.00% 18	30.00% 9	6.67% 2	3.33% 1	0.00% 0	30
Product design and innovation – designing products to be more circular and regenerative	60.00% 18	26.67% 8	10.00% 3	3.33% 1	0.00% 0	30
Education and behaviour change – changing how we think about waste and what we purchase	63.33% 19	23.33% 7	6.67% 2	6.67% 2	0.00% 0	30
Accountability and transparency for producers and consumers to reduce waste	46.67% 14	36.67% 11	13.33% 4	0.00% 0	3.33% 1	30
Affordability and accessibility of recycling and waste disposal options	60.00% 18	40.00% 12	0.00% 0	0.00% 0	0.00% 0	30
Environmental stewardship – protection of natural spaces	56.67% 17	33.33% 10	10.00% 3	0.00% 0	0.00% 0	30
Incentives for recycling and waste reduction – for businesses and individuals	53.33% 16	36.67% 11	6.67% 2	3.33% 1	0.00% 0	30
Climate Resilience – investing in systems with low climate impact	50.00% 15	36.67% 11	6.67% 2	3.33% 1	3.33% 1	30

Q2 Besides the 10 themes above, are there any others that should be considered?

Answered: 19 Skipped: 11

#	RESPONSES	DATE
1	The development of further processing (value added) that can use recycled products in our cities infrastructure. Such as turning plastics into manhole covers, drain covers, plastic poles etc.	11/23/2023 8:14 AM
2	requirement to deal with the waste of the products you sell	11/22/2023 10:22 AM
3	It is hard to understand what your thoughts are concerning some of your questions. For that reason, I almost did not take the survey. Q1. Government can do some high-level education, but leave the details to the service providers. EG: GHG involved in recycling glass far outweighs the GHG savings. Q2. Agree with environmental protection, but not if it involves another EPR of something already being handled by industry. Keeping tipping fees down will reduce illegal dumping if that is where you are heading. Q3 Making disposal fees affordable is what industry has been preaching. High fees & lack of bylaw and environmental enforcement cause more illegal dumping. Q4 Climate resilience is good, but it would be good to know what you're thinking about. If it has anything to do with WTE, then absolutely NO. Q5. Access is already provided by service providers. Those that don't want the information, don't ask or look for it. Q6 Not sure what accountability and transparency you are talking about, hence not important. Q7 Circular economy is a greenwashed term. If the environmental cost of collection, storage, transportation, exchanging and/or processing a material is higher than generating a new product with all inputs considered, then new is the way to go. GHG's and carbon footprint are what count, not a cute phrase like circular economy. Q8 We lost this battle when we brought in PPP EPR. If the packaging is not readily reusable or recyclable in larger markets, the fees charged by the EPR (eg Recycle BC) should be enough to cover the full cost of processing and recycling the material and packaging that is more than 20% larger than the item, it should also carry a prohibitive fee (eg Barbie doll $5 pkg fee) Q9 Bylaws should say you have to have the services or a self-haul system in place in order to get a business license. Q10 Government needs to let the industry innovate to drive competition. Dictating how a service should be delivered I agree 100% with increasing diversion, but I believe regional governments throughout BC need to get out of industry's way to deliver it. In MV, our diversion rates have been mostly stagnant since MV has been more focussed on working against industry than working to improve outcomes.	11/21/2023 5:25 PM
4	More events for recycling/upcycling	11/21/2023 3:29 PM
5	Making it easy and accessible to the commercial industry (i.e. construction companies & waste haulers) not just homeowners.	11/21/2023 11:18 AM
6	for Metro Vancouver it should be mostly focused on "practical" aspects to facilitate easy reduction of waste for inhabitants of the region: consumers and producers	11/21/2023 10:53 AM
7	1) Encouraging sharing systems in communities (so far seen as renting items from private companies or borrowing from libraries, tool libraries, thingery and in much more informal structures) 2) More conscious consumption and preventing waste before it happens. How can we as individuals navigate our capitalist consumer culture? How can we meet our desires for new, better, more and our search for happiness, without having to resort to buying something? Much like the create memories, not garbage campaign, I believe there's potential to highlight lifestyle switches year round that can prevent waste from occurring, while also having many other benefits to an individual.	11/21/2023 10:42 AM
8	Reduced risk for decision makers to recommend use of products like recovered asphalt in road base.	11/21/2023 10:11 AM
9	n/a	11/21/2023 9:55 AM
10	people who make no or very little waste at their residence should benefit, those who make lots of waste should be charged extra	11/21/2023 9:48 AM

11	Incentivizing local recycling and repurposing industries to avoid overseas shipments of recyclable materials.	11/15/2023 3:19 PM
12	risk assessment of long term disposal and diversion options	11/15/2023 1:28 PM
13	focus on C&D hubs - space dedicated for materials push to include deconstructed materials in procurement and in building codes (also recycled asphalt in roads!)	11/14/2023 4:02 PM
14	Consider wildlife attractant management, community safety and ecological impacts.	11/14/2023 3:07 PM
15	Economic accounatbility	11/14/2023 1:36 PM
16	N/A	11/14/2023 1:29 PM
17	1. Deposit/Returns systems on all beverage containers! 2. Refillable options for detergents, hair/body products and pet food.	11/14/2023 12:53 PM
18	clear delineation of commercial / residential services.	11/14/2023 12:45 PM
19	programs must be simple/easy for home owners.	11/14/2023 12:45 PM

Q3 Please share any other specific comments or ideas about what you think successful solid waste management should look like in the future

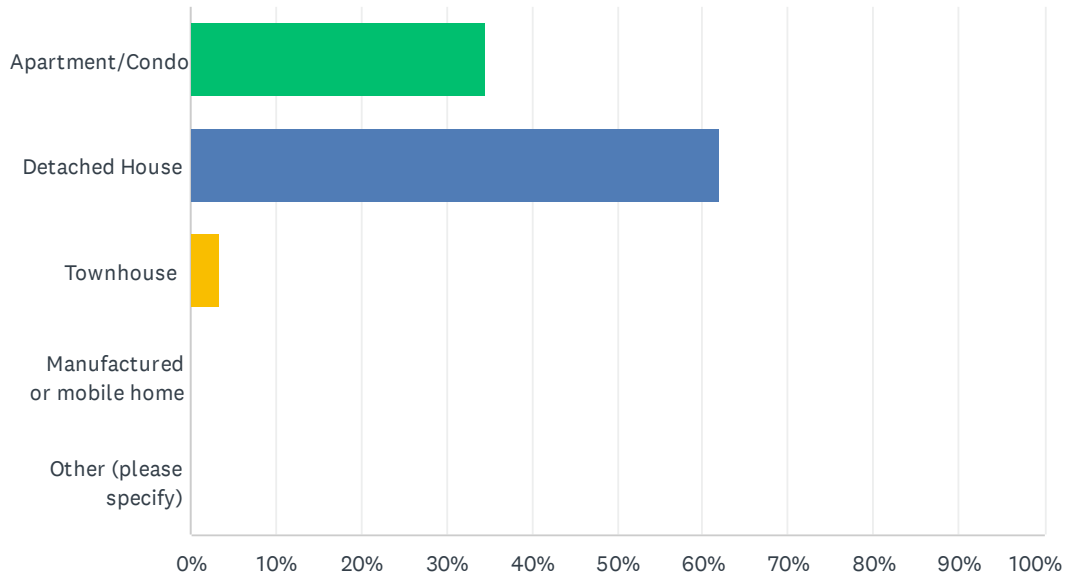
Answered: 18 Skipped: 12

#	RESPONSES	DATE
1	one that includes those of us who commute in to metro for work and use services as part of personal and work actions	12/7/2023 5:02 PM
2	If you are going to utilize a true circular system, we need to utilize our recycled material back into our city infrastructures. End markets for recycled material is key to ensuring full value and that value should be shared with the public.	11/23/2023 8:14 AM
3	I really like that Interior BC charges you for disposing of trash by the amount/weight of individual garbage. Maybe it could look like having the trucks weigh trash upon collection. Alternatively, award people for having the least amount of trash? Positive reinforcements seem to work better in North America	11/22/2023 12:49 PM
4	any incentive needs to be accompanied by penalties and enforcement	11/22/2023 10:22 AM
5	No load of waste shall be sent to final disposal (landfill or incineration) with more than 20% divertable content. Although this would require an amendment to the EMA, it would force us to put everything through an MRF and extract the recyclable and/or compostable material that lazy people or those who do not care about waste diversion, simply put in the garbage. Incineration in BC is a delusional idea as it creates GHG's burning waste to create electricity and displace BC's ZERO GHG hydro-generated electricity. The worst part is that if we divert what MV says it wants to divert and MV stops deliberately burning recyclable material (plastics), the incinerator will not generate enough BTU to create electricity; a double whammy caused by our success. No wonder MV has decided to pick fights to stall diversion vs work with industry to meet the region's goals.	11/21/2023 5:25 PM
6	Making it easy and accessible to the commercial industry (i.e. construction companies & waste haulers) not just homeowners.	11/21/2023 11:18 AM
7	a wide variety of practical options. clear messaging in the Metro Vancouver region about recycling. more alignment with all regions in BC/Canada on recyclable products. (avoid confusion for users)	11/21/2023 10:53 AM
8	1) Integration and promotion of more sharing structures, for example: a. expansion of community library services- some already lend books, digital equipment, musical instruments, puzzles...could they offer more items to share amongst the community? b. community centres usually have sports equipment for onsite sports- could they expand and develop short-term rental/lending of sports equipment to the community? c. could Cities/Metro Vancouver offer locations for neighborhoods to administer their own community sharing spaces? 2) Further development of reuse programs and infrastructure. This includes both encouraging the development of circular businesses while also promoting reuse behaviour in individuals (with a focus on making it easier and convenient). 3) Encouraging the development of more repair businesses, and promoting individuals to choose repair over disposal. A current barrier is finding existing repair businesses as they are usually independent, don't advertise, hard to find. How can they be highlighted?	11/21/2023 10:42 AM
9	Legislation that rewards waste diversion and circularity of CRD wastes such as Wood, increase the cost to dispose of unsorted mixed debris in the landfill, increased costs for companies that Demolish Buildings, rather than deconstruct and/or relocate perfectly useful homes	11/21/2023 10:11 AM
10	Ensure industry is consulted early and often.	11/21/2023 9:55 AM
11	Close collaboration between the regional government as the creator of the Solid Waste Management Plan and member municipalities which may enact bylaws in support of this plan.	11/15/2023 3:19 PM
12	reliability and low risk	11/15/2023 1:28 PM

13	sharing uneaten, unpurchased food	11/14/2023 4:02 PM
14	Wildlife attractant management should be a part of the management plan	11/14/2023 3:07 PM
15	Carbon reduction accountability	11/14/2023 1:36 PM
16	Consistent clarity and communication about where the waste actually ends up. Successful solid waste management will also shift our perception of waste into something more productive and useful even after it's "disposed".	11/14/2023 1:29 PM
17	There should be financial incentives to reduce waste - garbage pick up should be charged per container NOT hidden in the tax base.	11/14/2023 12:53 PM
18	waste/recycling should be handled locally, not shipped to other countries.	11/14/2023 12:45 PM

Q4 What type of home do you live in? (Multiple choice)

Answered: 29 Skipped: 1

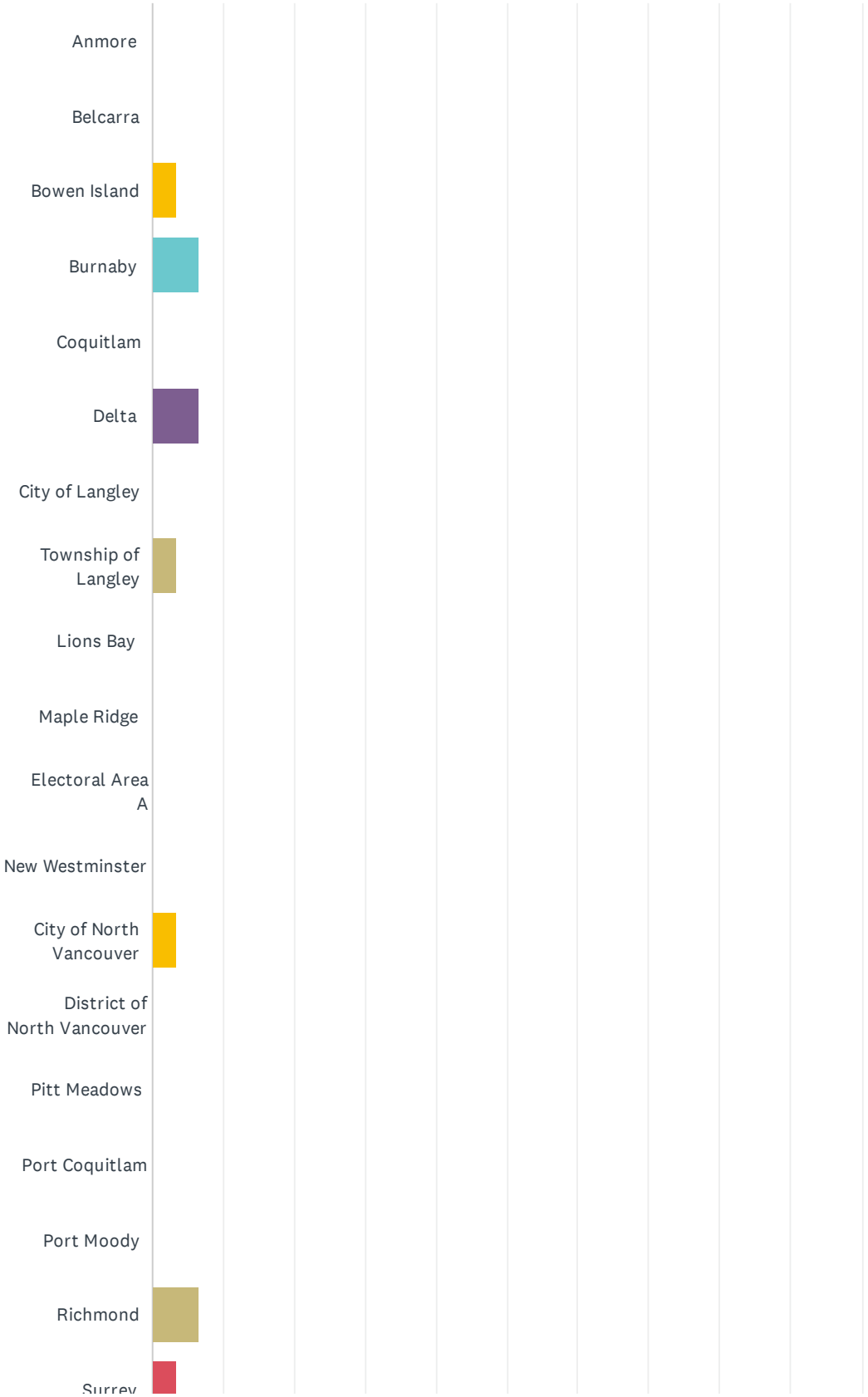


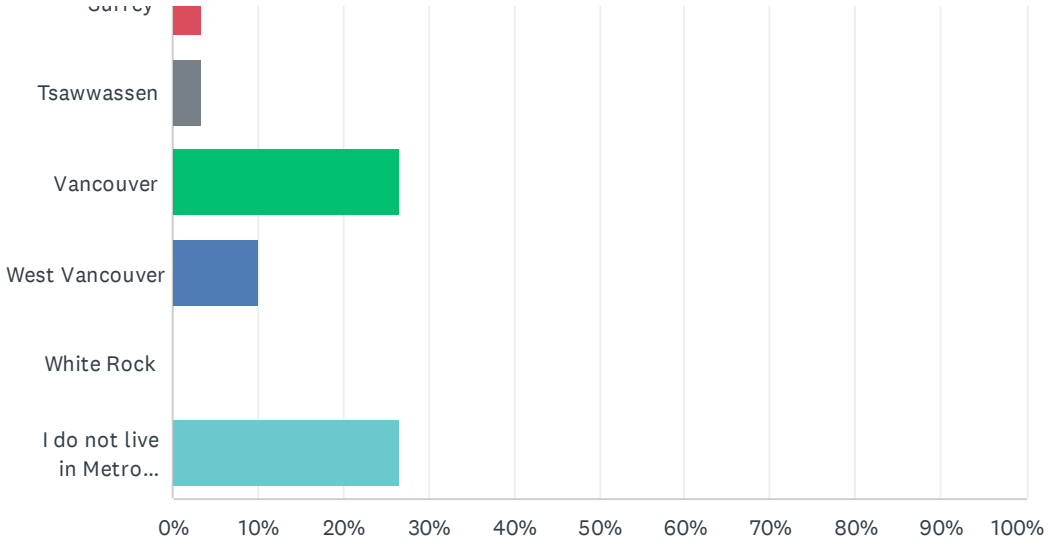
ANSWER CHOICES	RESPONSES	
Apartment/Condo	34.48%	10
Detached House	62.07%	18
Townhouse	3.45%	1
Manufactured or mobile home	0.00%	0
Other (please specify)	0.00%	0
TOTAL		29

#	OTHER (PLEASE SPECIFY)	DATE
	There are no responses.	

Q5 Where do you live?

Answered: 30 Skipped: 0

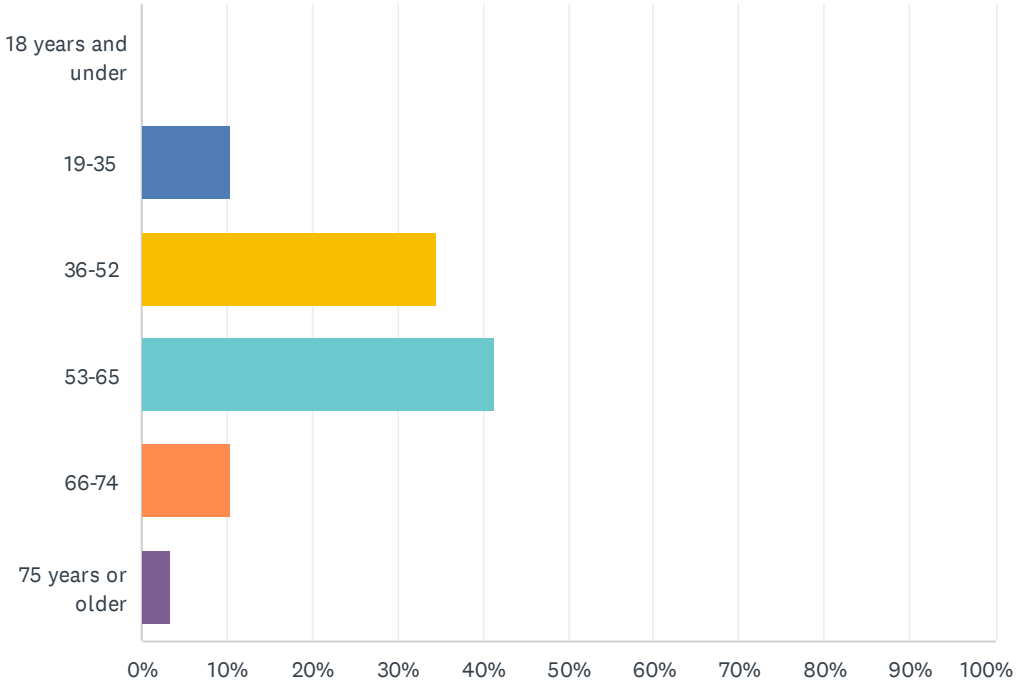



Surrey
Tsawwassen
Vancouver
West Vancouver
White Rock
I do not live in Metro...
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%

ANSWER CHOICES	RESPONSES	
Anmore	0.00%	0
Belcarra	0.00%	0
Bowen Island	3.33%	1
Burnaby	6.67%	2
Coquitlam	0.00%	0
Delta	6.67%	2
City of Langley	0.00%	0
Township of Langley	3.33%	1
Lions Bay	0.00%	0
Maple Ridge	0.00%	0
Electoral Area A	0.00%	0
New Westminster	0.00%	0
City of North Vancouver	3.33%	1
District of North Vancouver	0.00%	0
Pitt Meadows	0.00%	0
Port Coquitlam	0.00%	0
Port Moody	0.00%	0
Richmond	6.67%	2
Surrey	3.33%	1
Tsawwassen	3.33%	1
Vancouver	26.67%	8
West Vancouver	10.00%	3
White Rock	0.00%	0
I do not live in Metro Vancouver	26.67%	8
TOTAL		30

Q6 How old are you?

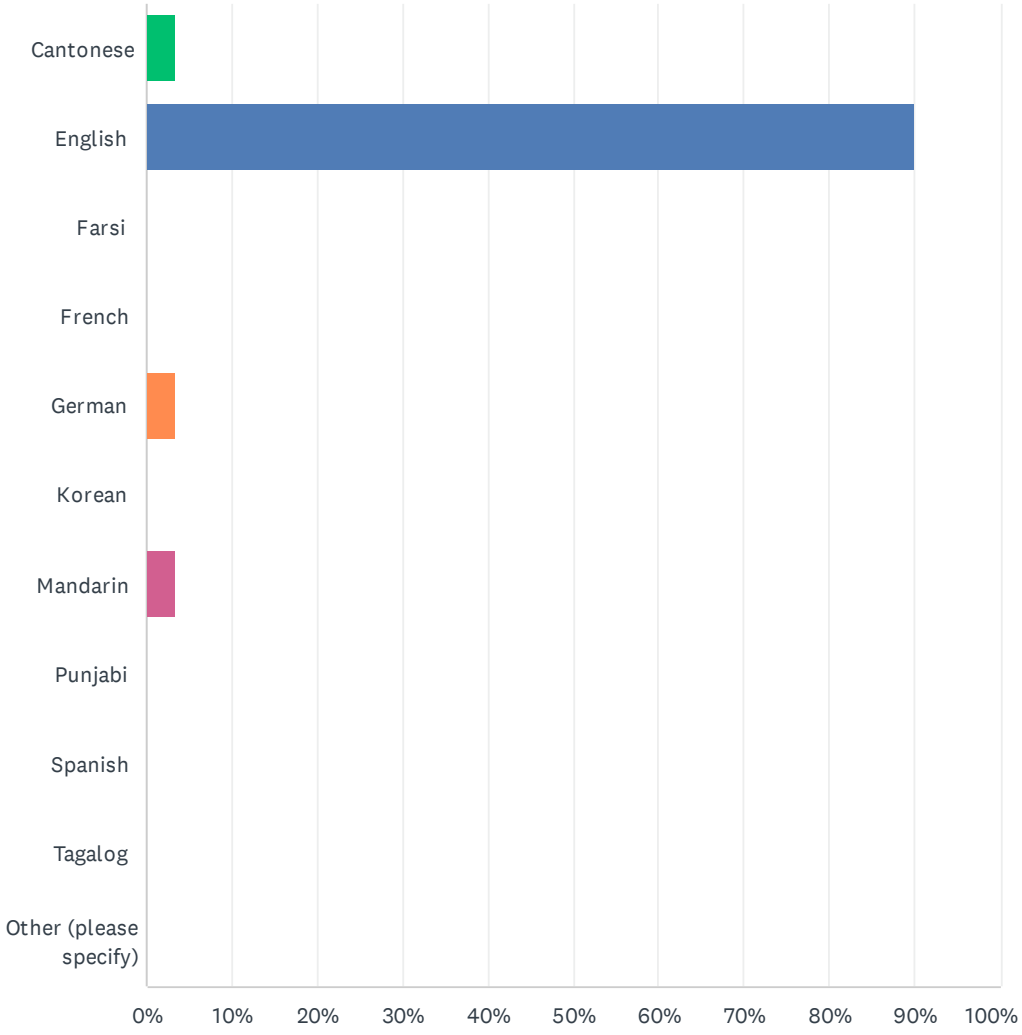
Answered: 29 Skipped: 1



ANSWER CHOICES	RESPONSES	
18 years and under	0.00%	0
19-35	10.34%	3
36-52	34.48%	10
53-65	41.38%	12
66-74	10.34%	3
75 years or older	3.45%	1
TOTAL		29

Q7 What language is primarily spoken in your home?

Answered: 30 Skipped: 0



ANSWER CHOICES	RESPONSES	
Cantonese	3.33%	1
English	90.00%	27
Farsi	0.00%	0
French	0.00%	0
German	3.33%	1
Korean	0.00%	0
Mandarin	3.33%	1
Punjabi	0.00%	0
Spanish	0.00%	0
Tagalog	0.00%	0
Other (please specify)	0.00%	0
TOTAL		30

#	OTHER (PLEASE SPECIFY)	DATE
	There are no responses.	

Metro Vancouver Solid Waste Management Plan Update:

HK House Engagement Activities

PROJECT REPORT

Project Name	Civic Engagement: Metro Vancouver Solid Waste Management Plan Update	Reporting Period
Project Owner	HK House (Hong Kong House Cultural Society)	11/03/2023 - 12/01/2023
Prepared by	HK House	

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A: Activity Summary

Based on input from the community and the feasibility of the project, we have organized two types of engagement activities:

1. A **community workshop** designed to be language and culturally inclusive, tailored for those heavily involved to share their feedback and opinions.
2. A **wide-reaching community questionnaire**, crafted to be accessible in language, inviting participation from those interested in contributing from the broader community.

Originally, we had intended to organize a town hall, but a set meeting time proved to be inaccessible for a majority of participants.

Activity	Date	Time/ Duration	Location	Format	# participants
HK House Community Workshop	November 19, 2023	8:00pm - 9:30pm (1.5 hours)	Virtual on Google Meet	Roundtable, polls, discussions, jam boards. The session was conducted bilingually (English and Cantonese)	24
HK House Community Questionnaire	November 26, 2023	Open until 50 participants requested honorariums (1 day)	Translated Information PDFs on Google Drive, Questionnaire on Google Form	Information on Metro Vancouver's Solid Waste Management Plan update was translated and provided to the community. Those interested are invited to fill out the questionnaire	51

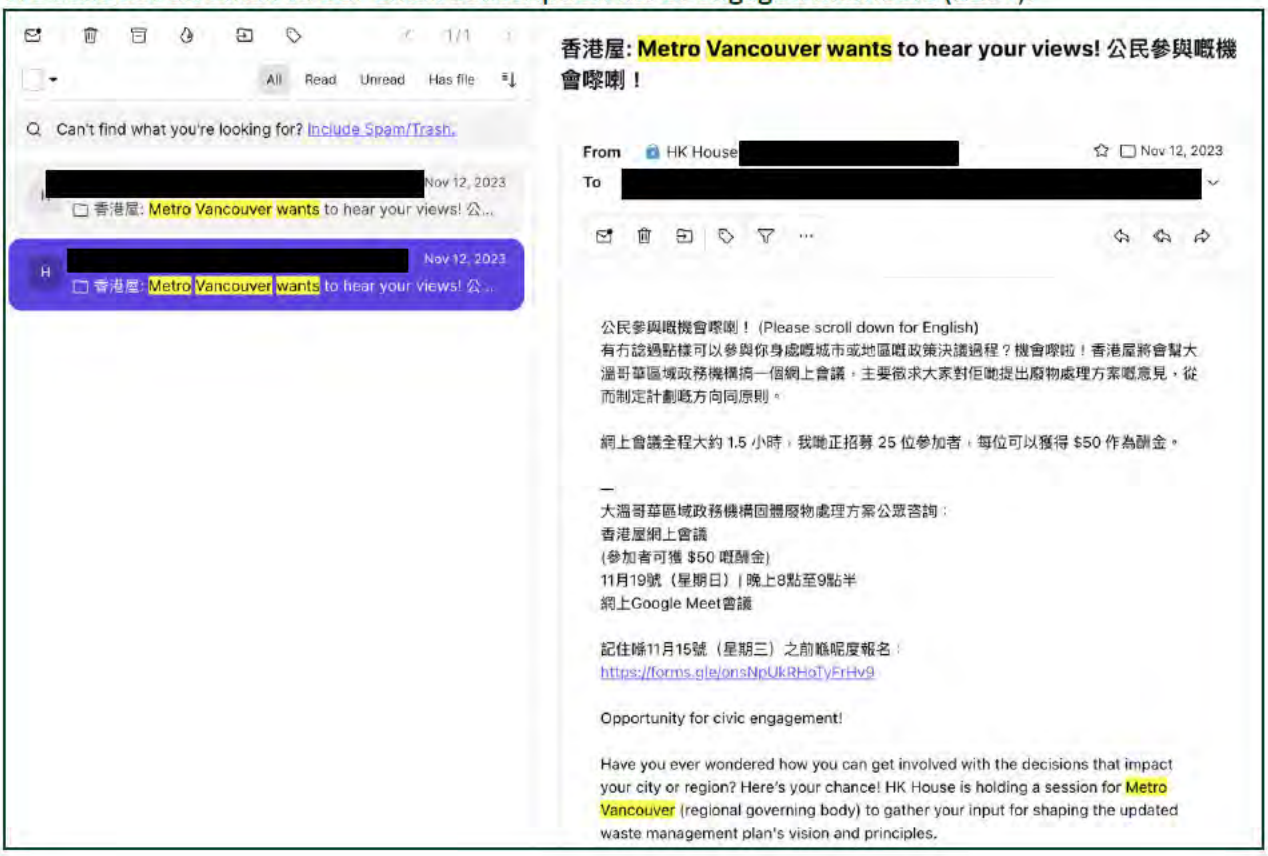
B: Promotions Summary

All promotional materials are created to be bilingual and accessible for our community.

1. Nov. 19 - HK House Community Workshop

For the workshop, we only targeted our most engaged members.

- We sent out an email to our email subscription list of engaged members (120+):

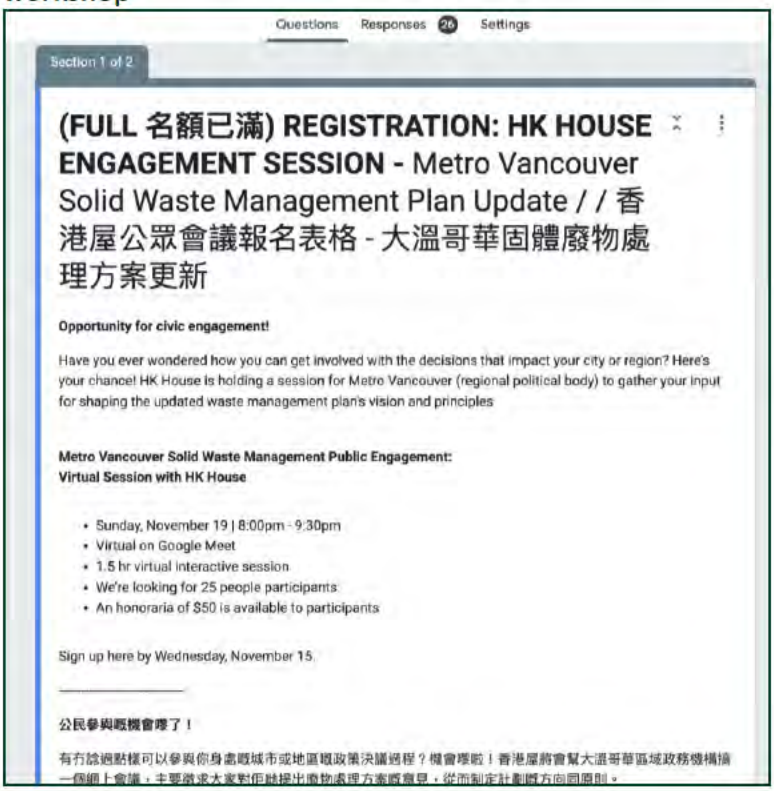


- We also sent out the invitation to our community group of 306 members:





- 26 registered to join the session through our Google form. In the end, 24 participated in the workshop



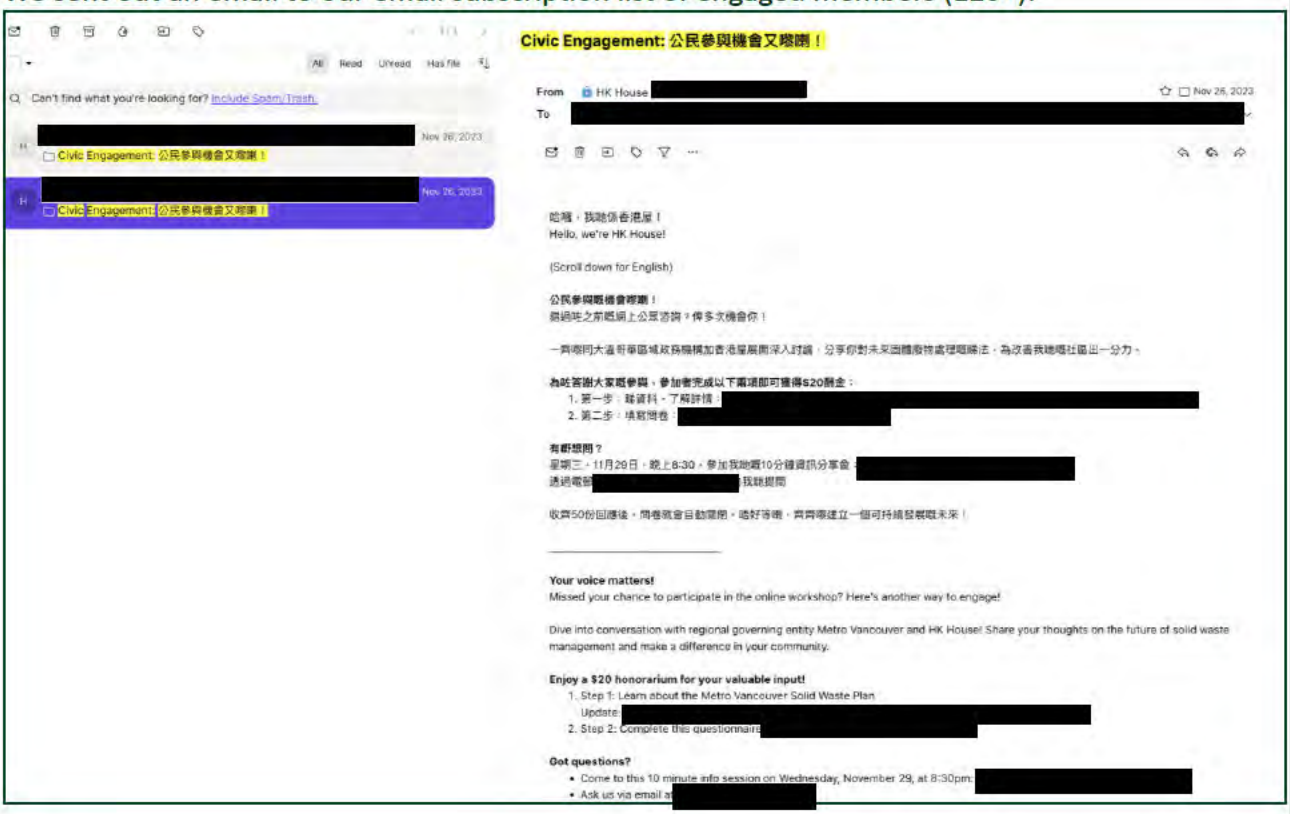
2. HK House Community Questionnaire

For the questionnaire, we sent the translated informational pdf and promotion out to our wider community.

- We promoted on Instagram to our 3,500+ followers:



- We sent out an email to our email subscription list of engaged members (120+):



- We also sent out the invitation to our community group of 306 members:



We were not expecting the overwhelming response. The questionnaire was full within a day, and we were unable to promote this on our Facebook or Twitter before this happened.

C: Demographics Summary

1. Nov. 19 - HK House Community Workshop [redacted]

- Where people live:
  - Majority of participants live in Burnaby (29.17%) and Richmond (29.17%)
  - Others live in Vancouver, Coquitlam and North Vancouver
  - One participant lives in New Westminster
- Type of Residence:
  - 66.67% of respondents live in condos or apartments
  - 16.67% live in detached homes
  - Others live in townhouses
- Languages spoken at home:
  - 87.50% of respondents speak Cantonese at home
  - 12.50% of respondents speak English at home
- Age:
  - 18 or younger: 4.17% of respondents
  - 19-35: 54.17% of respondents
  - 36-52: 41.67% of respondents

2. HK House Community Questionnaire [redacted]

- Where people live:
  - Majority of respondents live in Vancouver (39.22%) or Burnaby (37.32%)
  - Others live in Coquitlam, Richmond, and Surrey
  - One respondent lives in North Vancouver
- Type of Residence:
  - 56.86% of respondents live in condos or apartments
  - 35.29% live in detached homes
  - Others live in townhouses or low-rise buildings
- Languages spoken at home:
  - 94.12% of respondents speak Cantonese at home
  - 5.88% of respondents speak English at home
- Age:
  - 18 or younger: 1.96% of respondents
  - 19-35: 76.47% of respondents
  - 36-52: 21.57% of respondents

D: Feedback Summary

There were some emerging topics that came out of both engagements. Many pain points and areas of confusion were mentioned. Participants gave many examples, and focused on habits and comparisons with solid waste management they've experienced in different places they've lived in. Participants had so much feedback right off the bat during roundtable sessions and were very engaged.

1. HK House Community Workshop

Top two themes as voted:

- Convenience and consistency (20%) was voted the most important
- Affordable and accessible, Product design and innovation, and Incentives for recycling and waste reduction all tied for second ay 16%
- Accountability and transparency was third at 14%

Bottom two themes as voted:

- Education and community change (19%) and accountability and transparency (14%) were the bottom two themes as voted by participants

Emerging topics and comments during discussions:

- The participants believe that Metro Vancouver should be focusing on systems first.
- Many participants stressed that education is less important because people already know about sustainability, but do not have accessible or affordable options making it easy to do so.
- Being able to access and recycle easily and conveniently were deemed to be most important. Several folks commented how people will do it if it's easy and accessible.
    - One of the topics that participants brought up immediately was not being able to access to zero waste depots or facilities that can encourage recycling
    - Another common trend was not knowing what to do with waste like electronics, furniture, or other items that cannot be recycled or disposed of at their residence
    - Many also expressed confusion as there are many differences depending on the municipality, and also the type of residence you live in. Newcomers and even locals have differing knowledge of where to access information. The common feedback was that this information should be readily available instead of users needing to seek it out if recycling is to be encouraged.
- Several participants noted that tackling the issue at the source is more important, getting businesses and producers to create products that don't have waste, and creating an environment where circular economy/ reuse/ repair is easy to do, affordable and accessible
- There was also ample feedback about hoping Metro Vancouver can engage more communities and actually observe how people dispose of waste and be on the ground. Folks also mentioned how racialized communities do not get engaged.
- There were questions of what policies the government will launch from the top down, and how it's important to review and study whether current policies are effective. Participants stress how

governments need to take responsibility and make it much easy for folks who already want to recycle (everyone) to do so.

Please see our:

- In-session poll results – [redacted]
- Meeting notes – [redacted]
- Jam boards – [redacted]
- Workshop screen caps – [redacted]

2. HK House Community Questionnaire

Top two themes as voted:

- Affordability and accessibility of recycling and waste disposal options was voted the top theme at 25.49%
- Convenience and consistency – Waste and recycling services that are easy to understand and simple to use came in second with 16.67% of votes.
- Circular economy - Reuse, repair, and thrifting instead of throwing things away came in a close third with 14.71% of votes.

Bottom two themes as voted:

- Climate Resilience – Investing in systems with low climate impact, and Product design and innovation – Designing products to be more circular and regenerative tied for the top spot as least important with 19.80% of votes
- Accountability and transparency for producers and consumers to reduce waste came in second for least important with 13.66% of votes

% people found important:

- Equity and societal improvements - 62.75% voted as very important
- Affordability and accessibility - 72.55% voted as very important
- Environmental stewardship - 54.90% voted as very important
- Accountability and transparency - 47.06% voted as very important
- Product design and innovation - 45.10% voted as very important
- Incentives for recycling and waste reduction - 54.90% voted as very important
- Circular economy - 64.71% voted as very important
- Convenience and consistency - 54.90% voted as very important
- Education and behaviour change - 54.90% voted as very important
- Climate resilience - 39.22% voted as very important

Please see our:

- Questionnaire results, polls – [redacted]
- Questionnaire results, written feedback – [redacted]

E: Narrative Summary

Goals and objectives

We were curious to see if we could get more of our community involved in civic activities, given that most of them hadn't participated in public engagement consultations before. This was one of the primary reasons for our involvement.

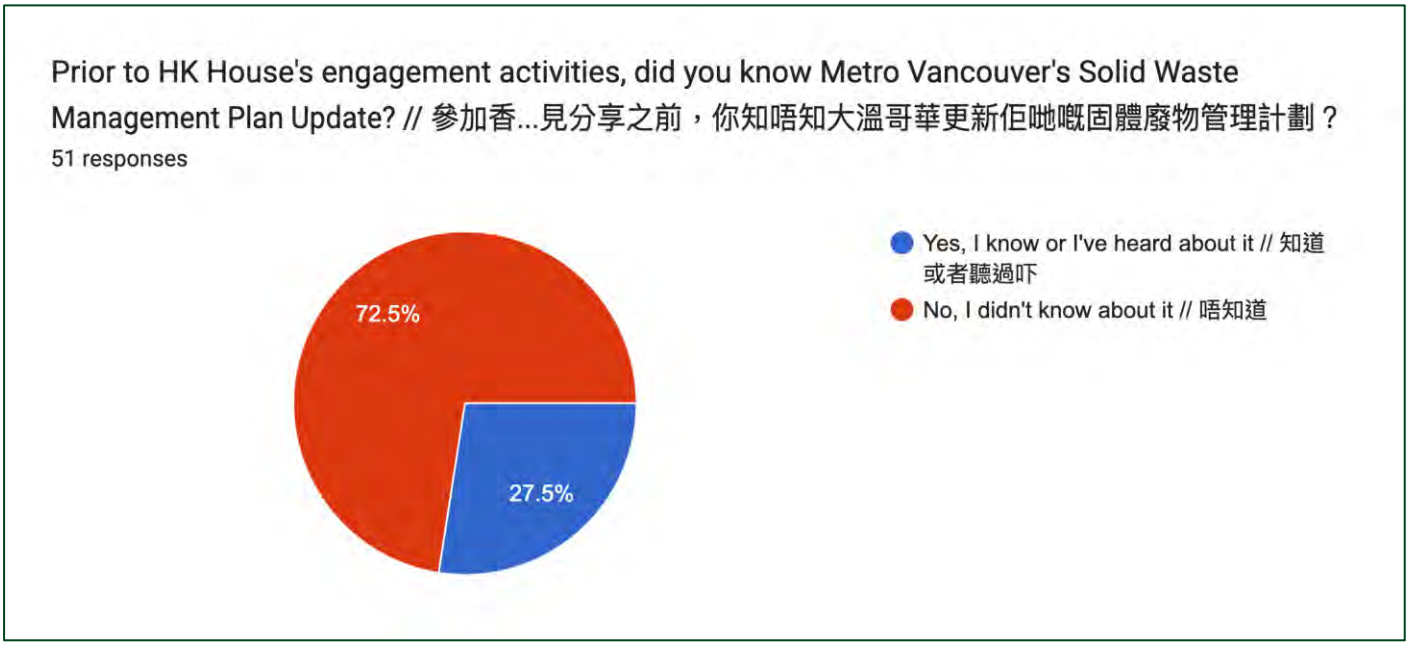
We were also aware that the Hong Konger diaspora community expressed an interest in sustainability. Consequently, we aimed to provide them with additional information and opportunities for engagement on this topic.

We asked the questions and were glad to find out that many of them were experiencing civic engagement for the first time.

1. Nov. 19 - HK House Community Workshop



2. HK House Community Questionnaire



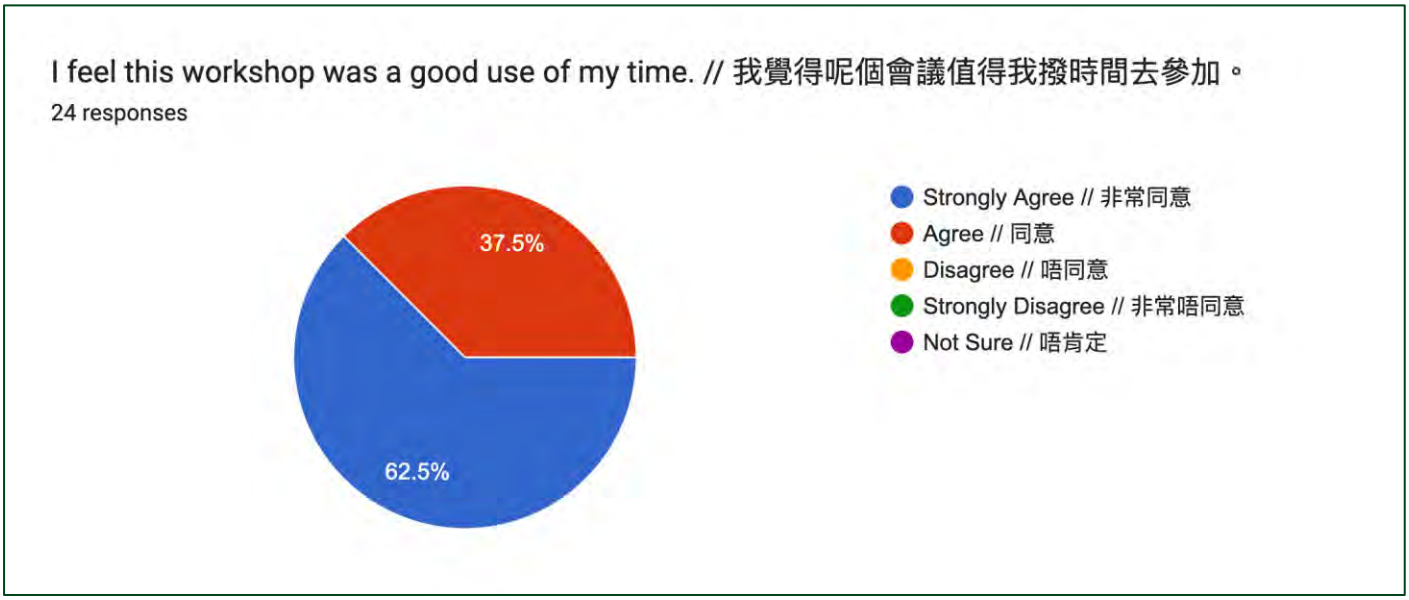
Challenges and results

Determining the engagement format posed a significant challenge throughout the process. Originally, we envisioned hosting a townhall, but concerns arose as community members highlighted the inaccessibility of the proposed event dates. Although there was widespread interest in participating in workshops and responding to questionnaires, both avenues quickly reached capacity. The community's strong desire for civic engagement was evident, yet the absence of accessible language and cultural support in usual municipal/ regional/ provincial/ federal engagements limited their options, causing a pent up demand for our sessions.

Technical challenges further complicated the workshop experience. Some participants struggled to navigate the polls and Jam boards, even with assistance. This caused them to be unable to participate fully. While in-person workshops would be beneficial, limited resources prevent us from organizing such events.

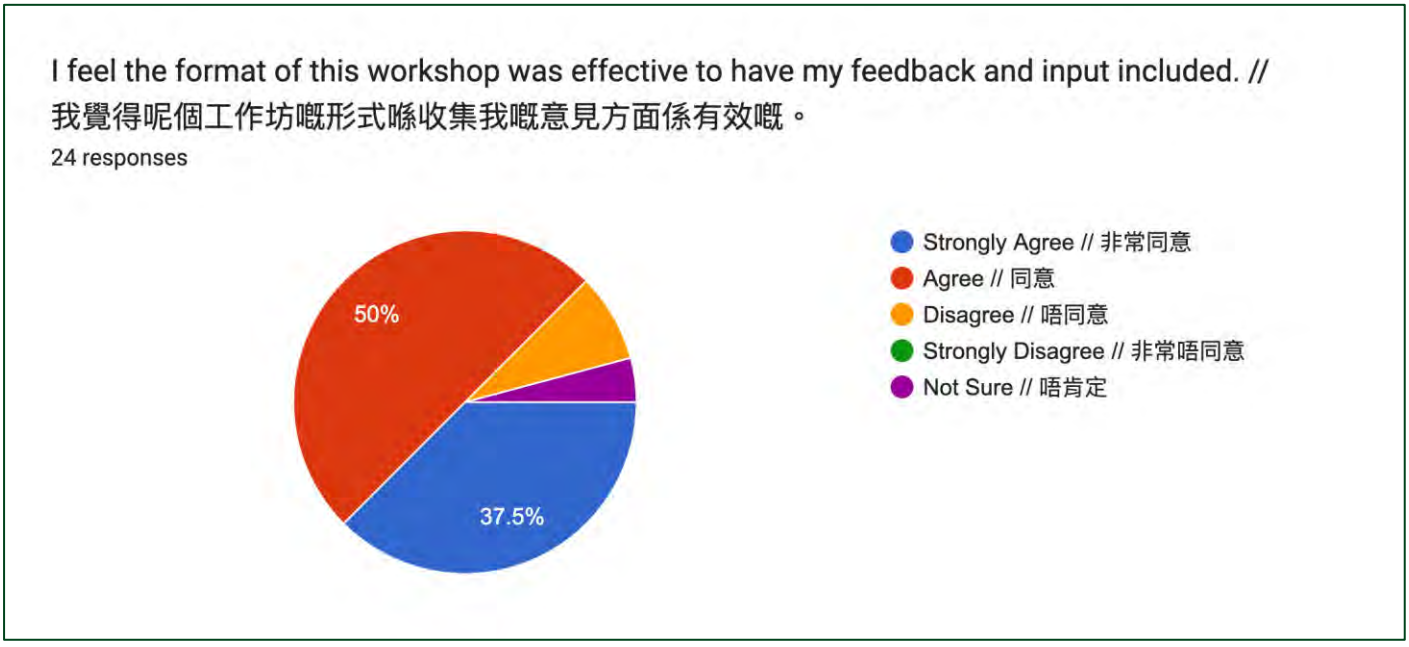
Feedback for the workshop:

We sent out a questionnaire for participants. Below are the summarized results.



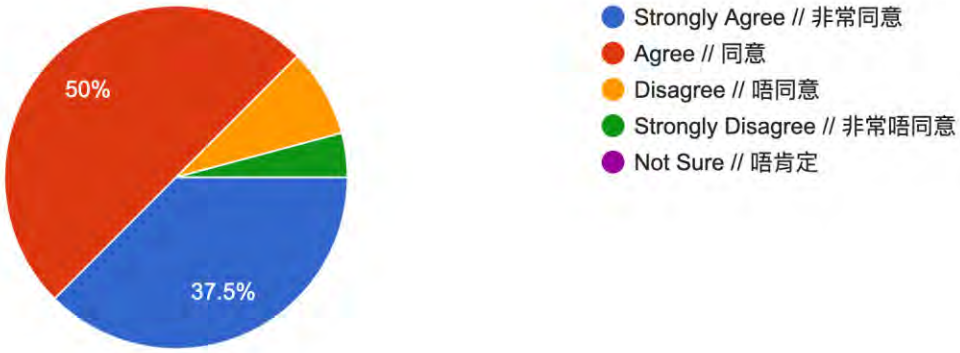
Most participants felt that it was a good use of their time.

Most felt the format to be effective. One was not sure and two disagreed. Throughout the process, two folks were unable to participate and didn't speak up. This may be due to the format, the way it's conducted, or technological accessibility.



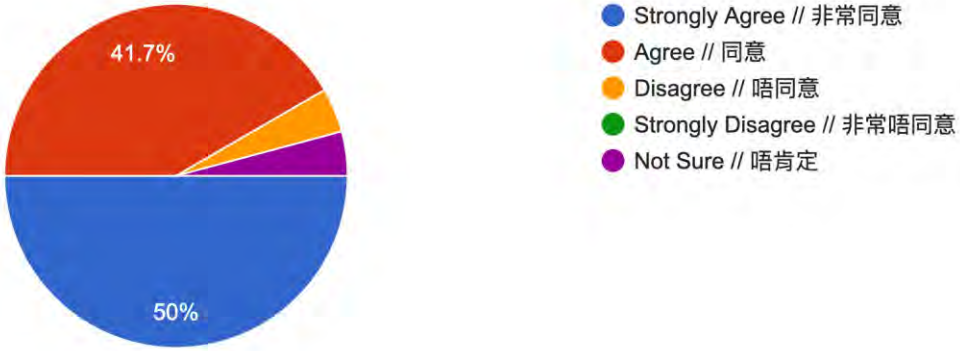
I had the information I needed to fully participate. // 會議提供咗足夠嘅資訊等我可以全面參與討論。

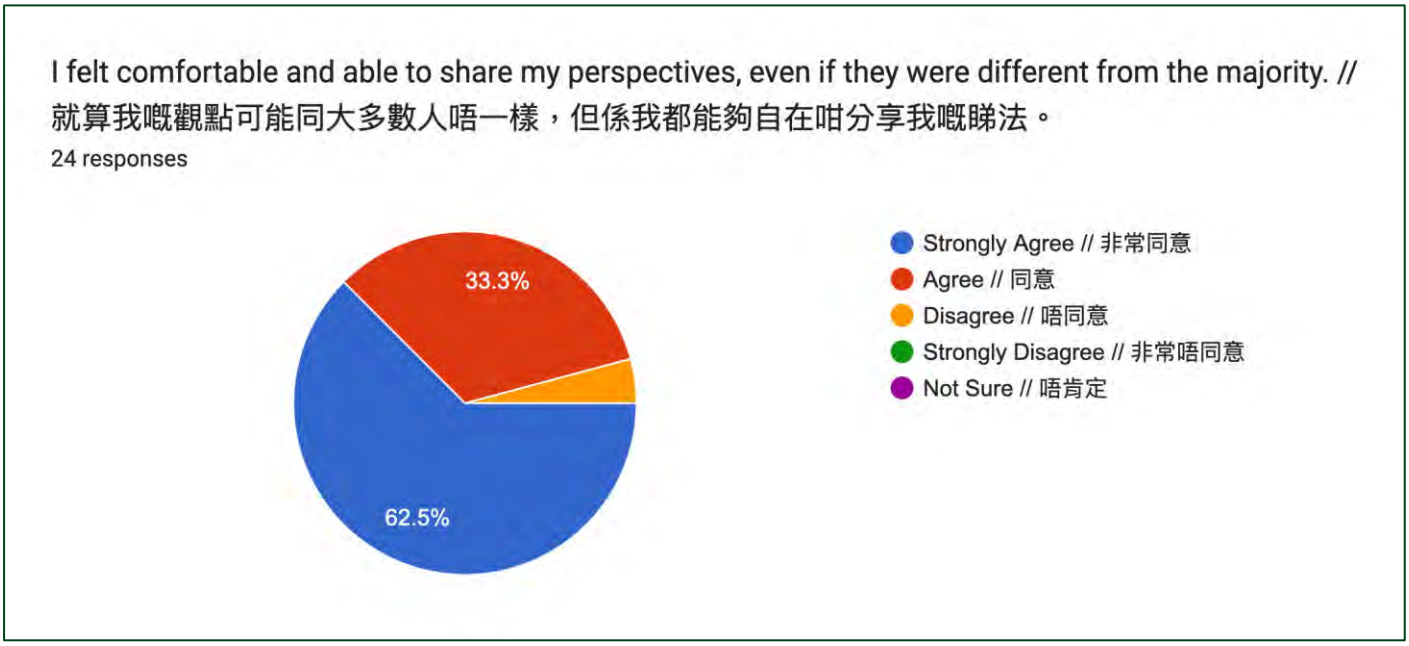
24 responses



I felt that everyone was able to participate. // 我覺得會議上每個人都有機會參與討論。

24 responses





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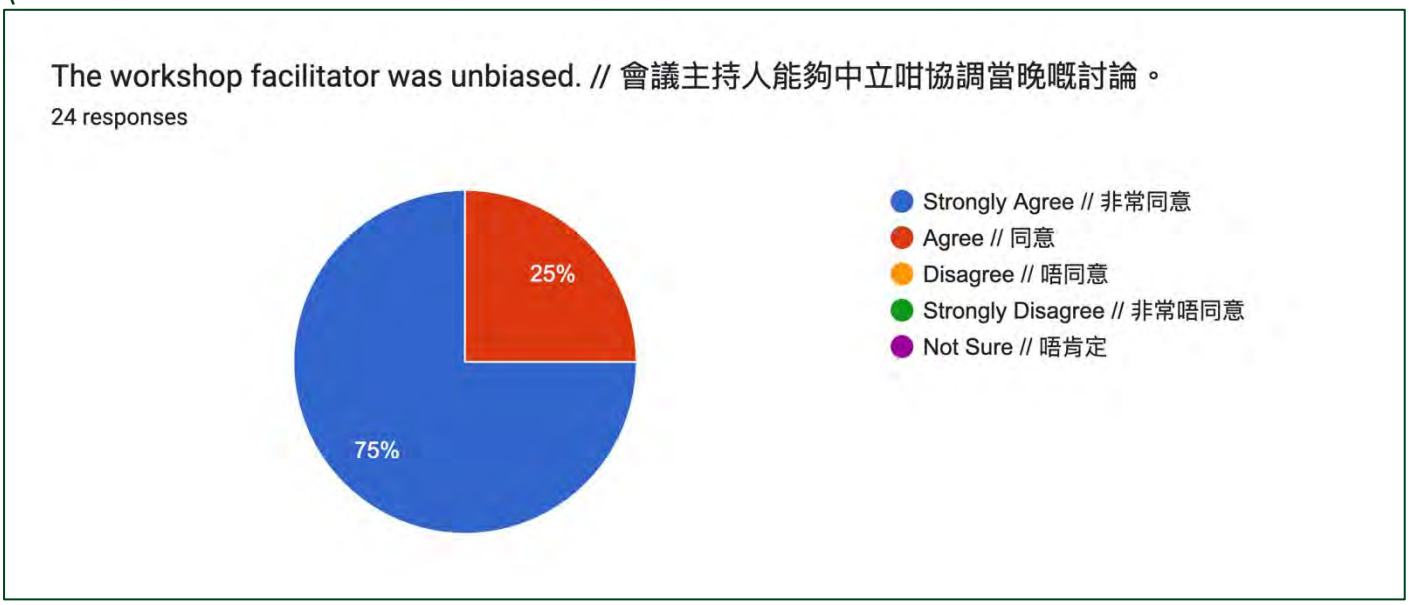


F: Description of Efforts to Reduce Barriers

Many participants from our community need language and cultural-sensitive engagement and feedback mechanisms.

- All of our materials and engagement activities require hours (20+ hours) of translation work beyond what can be allotted within the [redacted]

- We spent hours translating materials (entire workshop, polls, jam boards and PowerPoint presentations), surveys, survey results, transcripts from the dialogue and other workshop items to be inclusive for our folks.
- We have to translate all the feedback and qualitative answers in the surveys that were provided.
- We even spent a lot of time translating the [redacted] and making information accessible to our community:



These barriers often caused our community to not be able to learn about, nor participate in local affairs that will affect their livelihoods.

Metro Vancouver Solid Waste Management Plan Update

Report from December 4th, 2023 Event

(a) activity date, time/duration, location, and format;

The activity took place on Monday, December 4, 2023 from 10am-2pm at UBC in the Nest. Because this is a high traffic area, but also a place where people are “on the go”, we engaged individuals and groups with a virtual survey that was delivered via a QR code that linked to a Google Form. Prior to providing the QR code for the survey, we provided the Background Information so the participants would have the necessary context ahead of giving their feedback.

Questions in the Google form correlated with the survey questions on Metro Vancouver’s website.

(b) number of invitees and participants, and summary of promotions;

Number of Invitees and Participants

Because of the nature of the location and the format of the data collection, we didn’t offer any “invitations” but we did promote the event on social media as well as around the school with posters.

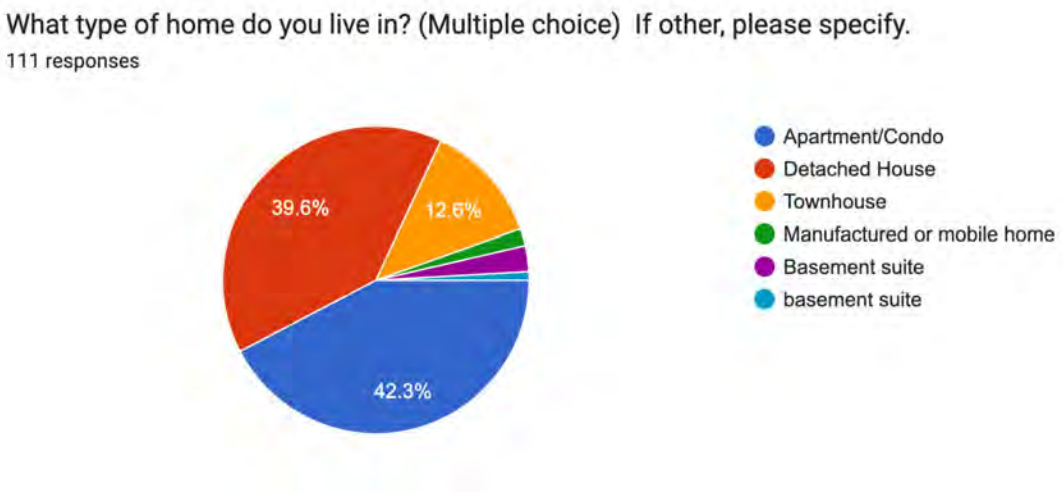
Overall, we collected feedback from 111 students.

Summary of Promotions

We shared the information via Mind Your Plastic's social media platforms, which included [redacted] [redacted] and [redacted] Because Instagram is our most engaged platform, and also includes more of our target demographic, we also reached out to businesses and groups in Vancouver to share which resulted in 7 pages sharing, and 258 impressions. Additionally, we created a poster that was posted around UBC Campus.

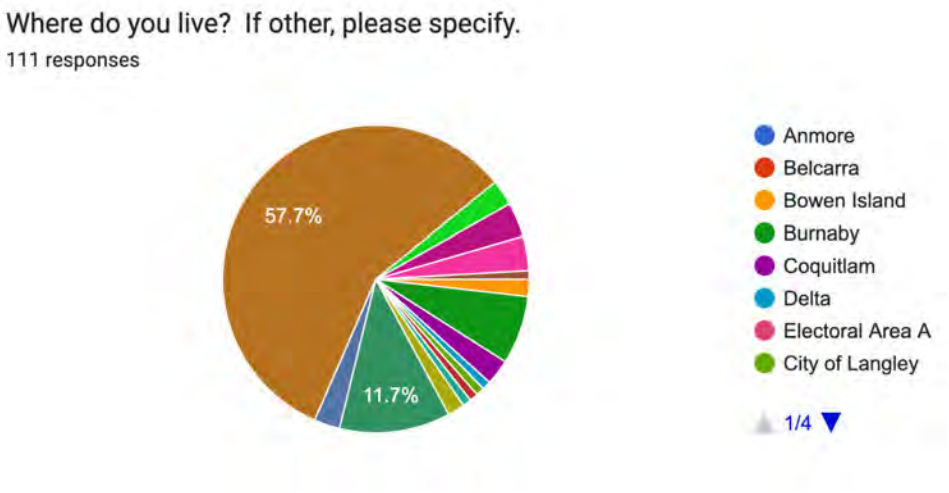
(c) a summary of participant demographics and interests where available (e.g., municipality of residence, main interests in environmental or solid waste planning)

Because this event took place at UBC, the vast majority of participants fell between the age categories of *18 and under,* and *19-35.* Please see below for the chart summaries of the demographic information including municipality of residence, type of residence, and age.



Below is a complete breakdown of results:

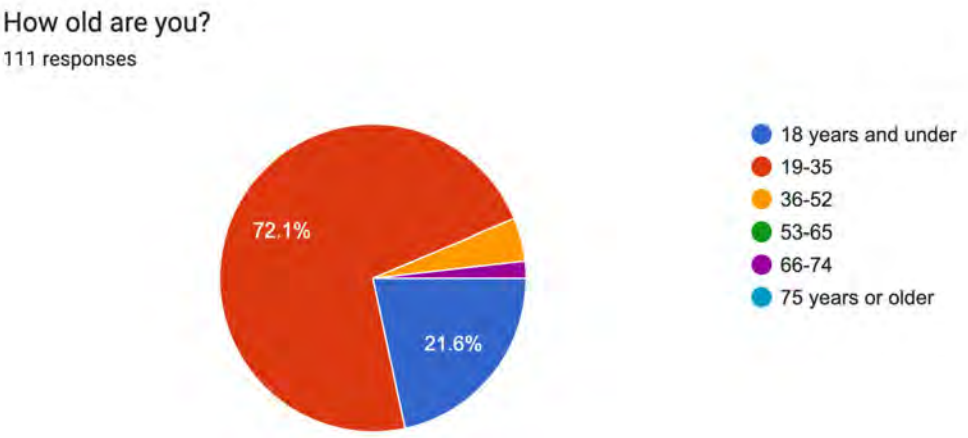
- *42.3% - Apartment/Condo*
- *39.6% - Detached House*
- *12.6% - Townhouse*
- *3.6% - Basement Suite (somehow this was duplicated as a result, so I have combined them here for a total %)*
- *1.8% - Manufactured or mobile home*



Below is a complete breakdown of results:

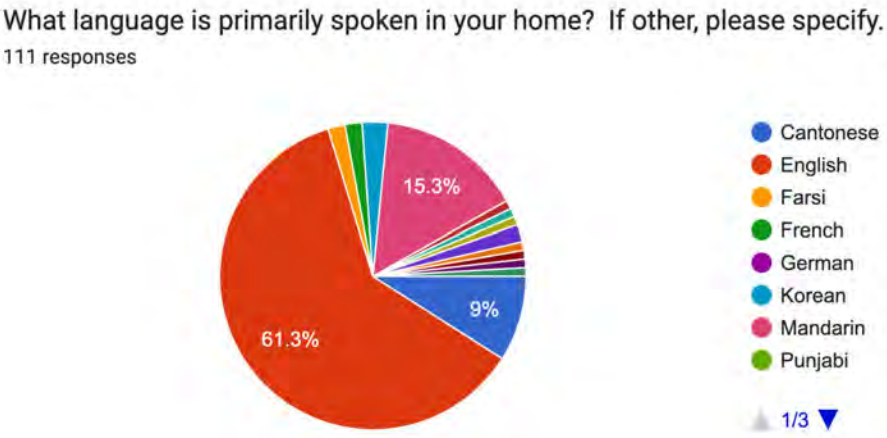
- *57.7% - Vancouver*
- *11.7% - Richmond*
- *7.2% - Burnaby*
- *3.6% - I do not live in Metro Vancouver*
- *3.6% - White Rock*
- *2.7% - Coquitlam*
- *2.7% - Surrey*
- *2.7% - West Vancouver*
- *1.8% - Bowen Island*
- *1.8% - City of North Vancouver*
- *0.9% - City of Langley*
- *0.9% - Delta*
- *0.9% - New Westminster*

- *0.9% - Pender Island*
- *0.9% - Township of Langley*



Below is a complete breakdown of results:

- *72.1% - 19-35*
- *21.6% - 18 years and under*
- *4.5% - 36-52*
- *1.8% - 66-74*



Below is a complete breakdown of results:

- *61.3% - English*
- *15.3% - Mandarin*
- *9% - Cantonese*
- *2.7% - Korean*
- *1.8% - Farsi*
- *1.8% - French*
- *1.8% - Portuguese*
- *0.9% - Greek*
- *0.9% - Hindi*
- *0.9% - Italian*
- *0.9% - Indian*
- *0.9% - Kaipingese*
- *0.9% - Spanish*
- *0.9% - Ukrainian*

(d) a summary of participant input and feedback related to vision and guiding principles for an updated solid waste management plan, in the form of:

(i) meeting notes;

Many of my conversations with the participants included discussion around how we can make sure that any changes are clearly communicated to the general public and on a similar note, how the public can ensure they have access to the correct information as many feel confused currently on what to do with various materials - especially with the introduction of many materials that seem like a viable alternative to harmful, single-use items like single-use plastics, but lack clear direction on how to properly dispose of them. Additionally, there was a strong focus on how many students want access to reduced packaging and reduce waste, while also ensuring these alternatives are affordable and accessible. We had many conversations with students who felt that they want to limit their packaging waste, but with zero-waste being niche and not available,

they are not able to justify the increased travel to zero-waste stores, or the increased cost.

(ii) survey results;

Please see the figures below that were produced using the data collected in the Google form.

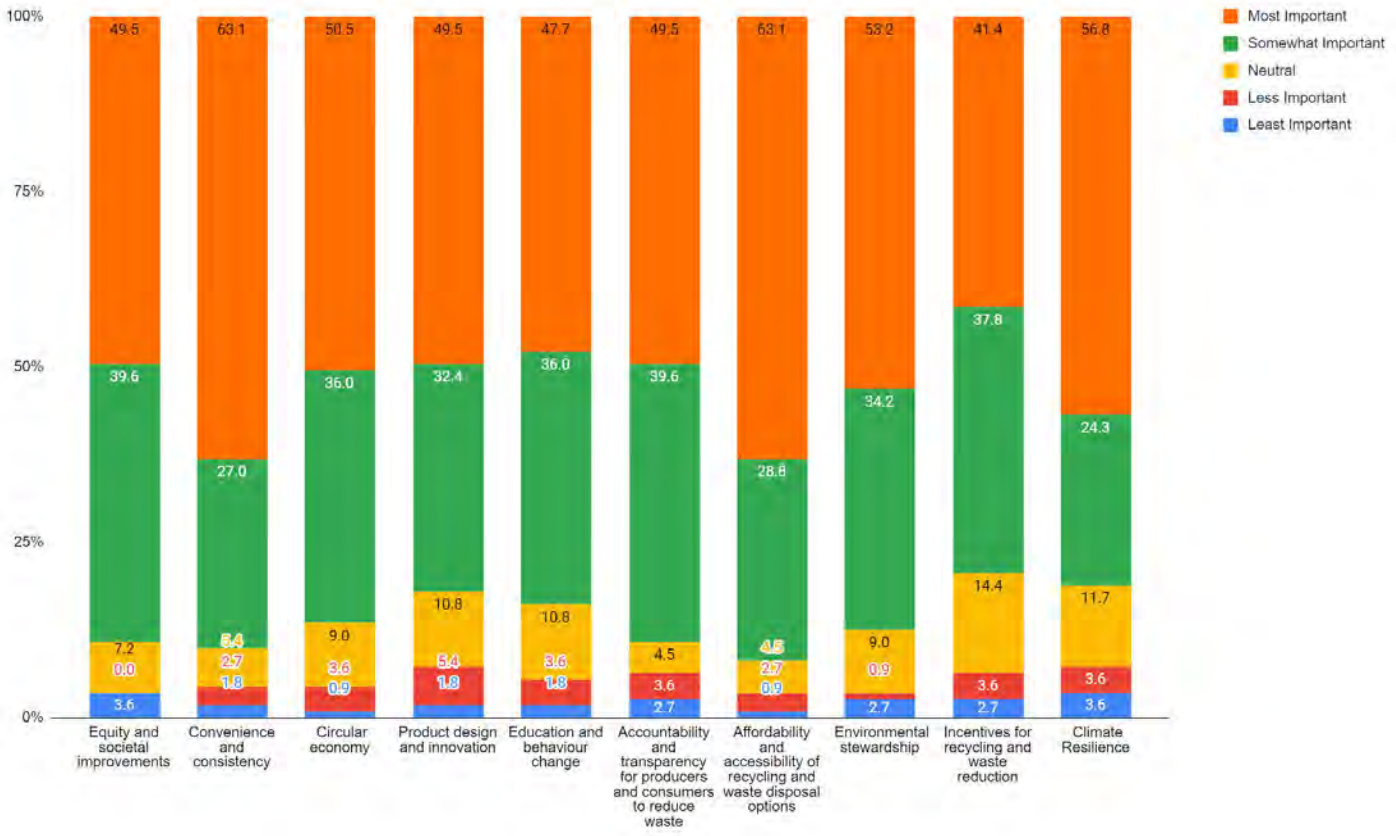


Figure 2 : Percentage of student responses for each identified theme. Each bar has a total value of 100% based on the total count of responses (n = 111).

Most Important (highest to lowest for individual votes)

- The majority of students identified all themes as "Most Important" in the ranking. Notably, *Convenience and Consistency, along with Affordability and Accessibility* emerged as the top choices within this category. *Accountability and Transparency, along* with *Equity and Societal Improvement,* received the most responses under the "Somewhat Important" ranking. In contrast, *Incentives for Recycling* was predominantly voted as "Neutral." Interestingly, *Incentives for Recycling, Accountability and Transparency,* aligned with *Climate Resilience* as the most voted themes under the "Less Important" rank. Moreover, among all themes, *Climate Resilience and Equity and Societal Improvements* garnered the highest percentage of votes in the "Least Important" category.

(iii) digital files and/or photos of workshop products, such as visual brainstorming activity boards;

We did not have any digital files, aside from our promotional materials on social media, as well as our Google Form survey.

(iv) written feedback from individual participants or groups; or

Please find a summary of all significant responses to the following questions in the survey (this was a mandatory response, so irrelevant responses like “no”, “n/a”, etc. have been removed).

Besides the 10 themes above, are there any others that should be considered?

- Extended producer responsibility
- Targeted towards large scale companies, not individuals
- Accountability for large companies and their effects on the environment
- Advertisement and campaigns.
- Incentives
- Long term effects of it

- Money
- I think targeting certain demographics about the climate should be considered, such as how social media use contributes to overconsumption in youth, etc.
- Realistic/Accessible processes of recycling
- It captures it most, I just think incentives that are realistic and practical are quite important.
- Accessible materials for homes (compost bags are expensive)
- Easy recycling of products by design rather than forever plastics being shipped to the Philippines from our blue bins
- From a systemic approach: increase the rates of correct garbage disposal and recycling. Lots of areas out there recycling and garbage together.
- Reduce plastic bags
- Composting information and education
- Penalties for polluters or non-conformers to encourage proper disposal
- First Nations worldviews, targeting corporations
- climate justice
- Education about how recycling impacts climate change and other societal issues
- school lunch waste, how many students are purchasing single use items when they can have a reusable alternative
- Education
- Education on waste and how it really impacts the earth and the environment
- Waste in school and malls
- Possible consequences
- Preserve forest and stop oil and gas expansion
- More education for general public about different types of garbage disposal
- Indigenous land principles (education)
- Increasing communication between govt and citizens
- Acknowledgement for those unable to do their part due to economical circumstances
- allowing inexpensive recycled clothing like thrift clothing to stay inexpensive an allow people with less money to afford clothing and stop overconsumption in wealthier people.
- implementation of bio architecture into the landscapes to help the emissions of C2O
- Showing to the public where the recycling goes and proving it actually is recycled to a full extent.
- Affordable and practical are the most important
- Waste and connection to climate change.
- Using eco friendly clothing more often than usual

- The most important one is the accessibility and understanding of the process.
- The amount of times garbage is collected
- Accessibility to more knowledge about services that are already provided
- Shifting the blame from consumers to corporations
- I think convenience should be considered or not allowing single use plastics and making people bring cups to
- create ideas for keeping plastic as a recyclable product that one can use by themselves over a over
- Making the webpage or introducing a system of videos for teaching immigrants how to use the recycling system in BC
- Seems to cover some good points. I'd just like if it was integrated more into society. Like you pay 25 cents when purchasing a recyclable bottle and then you get it back after dropping it off at a recycling station. Like in Germany.
- legislation incentives for officials to consider
- Multilingual support for my neighbors.
- Lower consumption
- Climate change
- Climate Change impacts
- Overall focus on environmental health

Please share any other specific comments or ideas about what you think successful solid waste management should look like in the future for Metro Vancouver.

- Paired extended producer responsibility and incentive programs for businesses to change practices
- connection between circular economy and affordability/accessibility (talked with the representative a little bit about this)
- I think education and behaviour change is the most important
- Transparency on what happens to waste
- Minimize the cost
- Visits to schools to promote campaigns and share knowledge.
- Community events such as the clothing swap by threading change
- not using plastics in grocery store for getting produce and fruit
- Educating the population about it.
- More incentives to manage waste
- Make it more efficient
- Break down how money can be saved on an individual level through waste management.

- I think a more effective and eco-friendly landfill should be in the future for Metro Vancouver
- Less trash on the streets in downtown
- More education in terms of what impacts not recycling can have on climate change and environment
- A solid waste management should be practical and realistic to incentivize citizens. It is very hard to persuade a majority with voluntary altruism.
- Accountability is vital for success
- Education is important to inform the public
- Accessible waste management
- garbage pickup
- Accessibility and simplicity are important. Sometimes it’s hard to know if something is recycling or garbage.
- Love the ideas and your mission
- Don't export garbage
- Teamwork and accountability
- Reduce plastic bags at grocery stores
- Accessible and affordable
- I think teaching younger students from elementary to young adults is a great system
- We should think about what we buy and produce and limit things that are not necessary
- Access for everybody, reducing personal waste, also targeting corporations in the lower mainland and their contributions
- Recycling trucks that pick up large cardboard boxes and other such recyclables that dont fit in recycling bins
- I personally don’t think anything will help. take the plastic stress situation for example, they revoked it
- school cafeteria reusable dishes or compostable utensils
- Easy to use garbage sorting
- More incentives and more environmentally friendly!
- More incentives
- Incentives for waste sorting
- The streets are clean.
- More resources
- More innovative ways of reuse
- Education In schools and school programs to support teachers
- I think convenience is the key
- I would appreciate more transparency about where plastic goes after it’s been recycled.
- Transparency about how much is actually recycled

- Accessible and easy to navigate sustainability
- Eliminate plastic waste
- Early education about how to be more environmentally friendly in our garbage disposal
- take more forms of recycled goods
- A easier way to know what can be recycled such as labels on specific items
- proper waste education for older generations
- nothing
- More recycling bins in downtown
- Increased transparency with businesses (food primary establishments)
- Don't have any in mind
- It needs to be transparent, practical and affordable
- How we are the stewards of the land and its systems. Our world can exist without us, we cannot exist without her.
- Maybe they should be more concentrated on making different marketing more eco friendly
- Should be simple, intuitive, and incentivized
- More sorting trash cans near bus stops
- Rewards regarding better waste management can motivate people to manage bwttwr
- Garbage pickup same day every week
- hopefully there will be a lot less litter on the grounds and less plastic used.
- I think that creating less single use plastics and forcing people to buy their own reusable products.
- More spaces for cans to be recycled on the streets.
- Recycle bins and garbage bins should be raccoon proof like having locks on them
- have solid waste refined by engineering recycle plants that are as effective as possible for productive results
- Same as above, make it easier for immigrants if you’re taking a lot of them - collaborate with universities and public agencies to inform and educate about these topics, rather than the people learning through receiving tickets
- Make it like Germanys bottle recycling plan.
- More bins and garbage locations
- Information for allophones in my area.
- Very simple and accessible with incentive
- Consistent garbage delivery
- Tertiary systems
- a central waste management centres located throughout the city
- Having a central waste management area for the public
- It should hopefully be a positive experience for everyone evolved and for the environment

- Def convenience.
- It should include more directions for how to appropriately recycle.

(v) other format of feedback summary agreed upon by the organization and Metro Vancouver;

n/a

(e) a brief narrative summary reviewing the goals, objectives and the results achieved by the engagement activity, including the challenges, any significant issues addressed, and general feedback received from participants about the activity itself; and

Mind Your Plastic is appreciative of this opportunity to engage the general public on behalf of Metro Vancouver on the critical topic of the Solid Waste Management Plan Update. We commend Metro Vancouver for making this available to organizations that can ensure there is a compilation of comprehensive feedback from diverse audiences. The participants we spoke with were also grateful for the opportunity to share their feedback in the quick conversation and survey approach that Mind Your Plastic selected.

Our main goals with this engagement activity were to:

- Inform the public of the upcoming Solid Waste Management Plan Update, as well as the information included in the Background Info (including process of coming up with the key considerations, as well as timeline for implementation)
- Collect as much feedback as possible from students
- Inform and engage students on the topic of waste reduction, the importance of a circular economy and real solutions alongside our partner, Sharewares.

We are thrilled that we were able to meet both of our goals, including exceeding our initial target of 100 participants and having numerous important conversations. We are also happy to see that the results contain valuable feedback from this group and we hope Metro Vancouver finds this information useful. Metro Vancouver did a great job

with setting organization's up for success by providing clear, comprehensive resources to help guide facilitators through leading the sessions successfully.

Additionally, our engagement event included collaborating with Sharewares and offering participants a free coffee in a Sharewares reusable cup - demonstrating the possibilities of circularity and waste reduction. This proved to be an effective incentive, as this was a driver for many participants. We also had the pleasure of hosting a student of UBC who is working on a project to understand the public's tendencies and preference when it comes to recycling and receiving a deposit refund for their refundables or putting it into a "lottery" where they have a chance of winning larger sums of money. This proved to be a great example of collaboration in the spirit of sustainability!

In regards to challenges we experienced, many were not as a result of Metro Vancouver's resources, but more organization specific. Timing to plan and execute was our biggest challenge, especially to ensure that we were able to meet the goals set out by Metro Vancouver and to collect feedback that is helpful for moving forward with the Solid Waste Management Plan Update. Given the format we selected, having lengthier discussions, as laid out in many of the resources, was not possible so balancing quality of feedback *and* quantity of participants was a challenge as we only had the capacity for one person to collect the feedback. However, we adjusted our approach to be able to connect with groups of folks versus only engaging individuals.

The event seemed to be very well received. After we were there for a few hours, we even had students approaching us to participate (the free coffee likely contributed to this). Every student we spoke to seemed to care about the issue and were grateful for the opportunity to provide their feedback.

(f) a description of any efforts to reduce barriers to participation for underrepresented or equity-denied populations (if applicable).

When approaching students, we tried to ensure we were approaching a diverse audience to produce diverse results. Our main barrier was not being able to adapt the survey into other languages which would have been helpful!

Prepared by:

Natasha Tucker, Executive Director, Mind Your Plastic

Reviewed and Supported by:

Dayanne Raffoul, Research Coordinator, Mind Your Plastic

Surveys Conducted by OAC with Schools and Seniors

Administration of Surveys

Ocean Ambassadors worked with teachers to have students complete a Google Forms survey. 155 students completed the survey. Students were from Delta, Burnaby, Vancouver, West Vancouver, and Bowen Island. Forms were sent to 35 teachers.

Ocean Ambassadors administered surveys at West Vancouver Seniors' Centre in-person with the use of a tablet. OAC staff approached Seniors Centre participants and asked if they would be interested in participating in the short survey. In 5 days, OAC staff successfully engaged 112 people to take the survey. OAC read the survey questions to participants and then recorded answers provided. We found that participants often wanted to look at the tablet as well as listen to the questions.

Challenges Encountered and Solutions Implemented

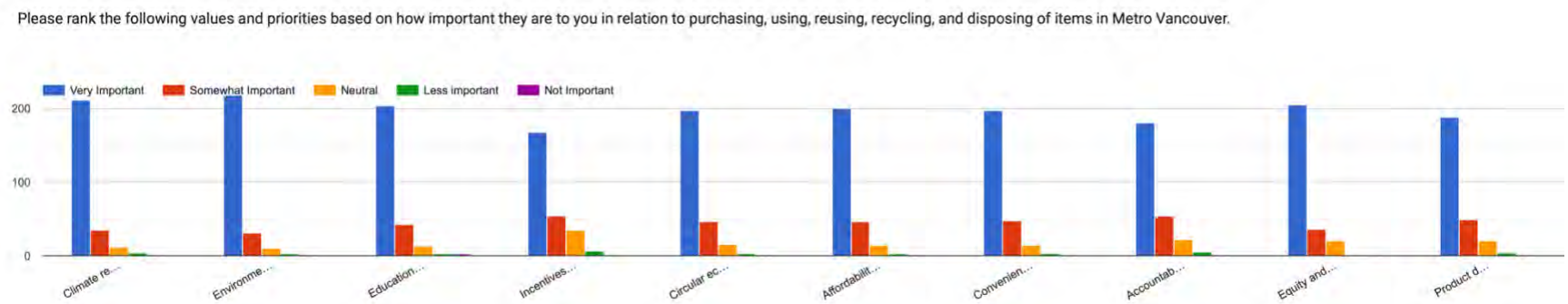
OAC staff encountered dozens of seniors that did not want to complete the survey due to language barriers. OAC tried to engage these people in conversations to make them comfortable and to slowly go through questions. This technique was successful some of the time, although many people refused to participate because of lack of understanding of English. An idea for the future might be to have the survey available in multiple languages.

OAC staff encountered many people who were suspicious of our motives for approaching them. Staff endeavored to quickly engage them and this was successful some of the time. We found that wearing an OAC branded shirt was helpful.

OAC were delayed for a week at the beginning of the project due to difficulty in booking times to be at the Seniors Centre. Once we were able to communicate with the appropriate staff member, scheduling became easy.

Surveys were energetically accepted by teachers who like the idea of having an opportunity for their students to participate. We did find that it was challenging for teachers to find the time to have students complete the survey. An idea for next time would be to offer a raffle prize to students who complete the survey.

Results Summary:



Comments:

In addition to the 10 themes mentioned above, are there any other themes that you believe should be taken into consideration?

The one i believe that should be taken into consideration is cutting down trees i know in some countries if you cut down you have to grow another tree but animals live in those trees and some of these animals already started a family, and baby birds can't fly yet and if yo cut down a tree these baby animals will die and it makes it harder for them to find another home.
circular economy reuse and repair
I don't know.
I'm not very sure. There is nothing else that I can think of.
I think one of the most important themes to me was already mentioned above "incentives for recycling and waste reduction for businesses and individuals"
preventing people from throwing away containers

MAYBE we can try to get more and more people to reuse and recycle what is rycycable
Showing people what happens to garbage, and how garbage affects the ocean.
being able to give own help to the environment
Carpooling. we need to make that more regular
I don not think so because I can not think of anything else.
no
No.
No. I dont really know much.
Affordability and accessibility of recycling and waste disposal options
No
I dont know
I think gender equailty could help a little.
I think we should add some more recycle and compost bins around the world
Nope
noooooo this is very good
Circular economy
I believe everyone should consider animals and what they could do to prevent so many animals like racoons from eating their trash/recycling/compost.
More eco friendly transportation.
Plastics. Food Waste
Ease of use and waste management
I think that we should be more mindful of the whereabouts of the homeless because they sometimes, can't find the right recycling and garbage stations to put their trash in.
Reduced price of education so all families may have children that are well educated without having to be a heavy amount of money.
Making housing more affordable, and easier to obtain reducing the homeless population.
Nothing I can think of
Going to a gift economy rather than a consumer driven one.
Food supply chain systems. Although you have enough themes to tackle already!
I would love everyone to rethink their use of all plastics!
I think that minimalism should be taken into account where we buy what we need or borrowing from a friend instead of buying what we want.

Nothing
Protecting nature's wonders from climate change
None
NO
Making more actions in order to stop poverty including those homeless people on the street. Homeless people can produce lots of waste so we have to take actions on how to stop this situation before the streets are filled with garbage and waste.
no you have covered everything important.
I think reuse and buying less is most important
system needs to be more simple
none
WE can pay for research to invent a new kind of plastic that does not harm the planet

Please provide any additional comments or ideas regarding your vision for successful solid waste management in the future.

Well my ideas are to stop cutting down trees, stop littering,stop testing and hurting animals, because every damage we do to the earth the more we're closer to destroying the earth.
I think educating and empowering the younger generations is key so any programs catering to them would be great.
this is crazy but I think if we make a statue out of compost and mushed and mixed it together and make blocks and stack them like a tower it would be safe and reused
You could make recycling a lot more convenient. People won't want to drive an extra 15 minute to recycle at a zero waste facility when they could throw something out in the garbage bin.
I don't have any at the moment
I don' know
I think that instead of just throwing it away, we can use the garbage to create some thing fun like an art project.
reusing materials instead of trowing them away
I think that we should be making more recyclable solutions for everyday tools/object so that not everything is made from plastic having more reusable containers or reusing bags more
I'm not quite sure

Buy less garbage, make more homemade things.
make your own way to reduce your use in plastic and
I hope we make it to our green goals!
I think we can use garbage and make it into something fun like an art project
I don't know
I don't know.
I think this is very important
-e
Just keep the environment clean and not polluted
I think climate change is something we have to prevent. Our future depends on it.
sorry I dont have any.
school
Put in thrift shop or make into other objects.
I think waste reduction is very important for our future.
I don't have any comments nor ideas.
idk i don't have any. lol
sdfgh
I do not have any additional comments or ideas regarding my vision for successful solid waste management in the future.
I hope we can acomplish these goals
Not sure.
Third world countries requiring aid
I think that there should be more places that provide recycling and trash stations around the world so we can help the climate crisis a little bit.
In the future, I believe that us people should come together and make use of all the materials we have and we should limit the pieces of garbage that are put to waste. I also believe that we should invest more money into saving up for more electrical cars so that our planet will be safer from climate change.
We should invest more money in compostable packaging, and materials so that we can minimize the amount of garbage and waste that we have.
Taking more donations and fundraisers for climate change and pollution materials.
Consuming less overall.
Education is priority.

Doing more fundraisers and awareness programs
I do believe we are a throw away society and I'd love people to think about buying cheap items that will not last.
I think there needs to be source-separation so that recyclable matierials are not ending up in the landfill.
Nothing
Have more trash cans in park for less waste
NO
Every school should be start teaching kids the importance about solid waste management at an early age so that they can always keep this in mind starting as young kids.
find solution to reduce waste and reduce use of fossil fuels.
none
Need to have government regulations
Individuals need to take on responsibility and cities need to have regulations
This is a problem for China and India who are creating so much pollution
We have to stop the producers from sending everything out in plastic. We should be able to purchase products that are not wrapped in plastic. We need to somehow make people care. How do we get people to care? We need more education and incentives. People need to hear more about the damage that is happening to our planet. Like the way ICBC does commercials, we need to be shocking people with commercials about the planet.
big companies should have to change how they package products. It's not up to individuals
We need recycling to be more easy to understand.
We should have more recycling bins on the streets
We should be worried about poverty first, not plastic
We need to concentrate on the economy. Canada is so small that we don't make a difference to world pollution. Until the big countries change, nothing will change.
Recycling is easy for people who care
Recycling should be made more simple
Circular economy is important. We need to send less things to the dump and reuse things
We NEED people to recycle
Companies need to change their packaging and we need to have easy recycling for soft plastics
We need to have less plastics with everything we buy.
We should to invent a kind of plastic that is good for the environment.
We should have more recycling choices like soft plastics and styrofoam.

the government needs to make laws for businesses to use less plastic
We need to have laws for copanies that make products.
Companies that make products should have to put in packaging without plastic if possible. There should be laws for companies.
Plastic packaging should be allowed only if necessary. For example, for equipment in hospitals. Other things should be packaged in paper or have less packaging overall.
We should have better signs on recycling and food waste bins to make it clear what is accepted.
There should be laws for businesses to use no single use plastics.
We should have bans on single-use items and some kinds of plastic packaging that are not needed.
We need the federal government to create bans on singles items
We need to teach young people about caring for our community - to not litter and to recycle.
We can teach people that they need less things. We need to get people to understand that advertising is making them always want.
We need to have consistent recycling and food waste in Metro Van. The current system is confusing.
Would be good to have laws that limit the use of single use plastics. We need to have clear regulations for businesses to follow.

Metro Vancouver Solid Waste Management Plan
Vision and Guiding Principles

Collaborative Engagement
Final Report to Metro Vancouver

Introduction:

The Recycling Council of British Columbia (RCBC) has partnered with Metro Vancouver in their collaborative engagement process to increase the reach of consultations taking place to inform the development of the vision and guiding principles for the Solid Waste Management Plan update process. In order to do so, RCBC has sought to consult with RCBC Members in the non-profit and business/industry sectors that interact with and are impacted by solid waste management in the Metro Vancouver region. This consultation has taken the form of a targeted survey, constructed to enable these stakeholders to provide feedback that is specific to their sectors and areas of work.

In addition to this targeted survey, RCBC Information Services staff also encouraged residents and businesses in the Metro Vancouver region to participate in the public survey by including the link and a brief note in email responses to enquiries originating in the region. This message was sent at least 64 times from [redacted] over a two week period.

Survey Design:

The survey was developed based on the public survey conducted by Metro Vancouver, with additions made to better capture the specific industries and areas of work represented by the surveyed membership. The goal of the survey was to understand which of the proposed themes were most important to the target audience, and to solicit additional feedback about their vision for the future of solid waste management in the region.

The survey was distributed to RCBC Members in the non-profit and business sectors located in the Metro Vancouver region. The survey was initially distributed to 114 contacts on October 12, 2023. Recipients were asked to respond by October 27th. A reminder was sent on October 23rd, 2023. A final reminder was distributed through RCBC's member newsletter, ReCap, in early November with an extension to the closing date requesting final responses by November 8, 2023. Several members were also contacted directly by email to solicit their feedback.

Respondents were asked to rank a number of themes from not important to very important. This portion of the survey was taken directly from the public Metro Vancouver survey. The remaining questions were either adapted from the public survey, or developed by RCBC to better understand the feedback of the surveyed membership:

Q: Of the above themes, which would you identify as most important to your industry or sector and why?

- *Incentives for recycling and waste reduction – for businesses and individuals*
- *Climate resilience – investing in systems with low climate impact*
- *Accountability and transparency for producers and consumers to reduce waste*
- *Affordability and accessibility of recycling and waste disposal options*
- *Equity and societal improvements - All groups have access to information,*
- *education and services*
- *Convenience and consistency – waste and recycling services that are easy to*
- *understand and simple to use*
- *Product design and innovation – designing products to be more circular and regenerative*
- *Environmental stewardship – protection of natural spaces*
- *Education and behaviour change – changing how we think about waste and what we purchase*
- *Circular economy - reuse, repair, and thrifting instead of throwing things away*

Q: Please share any other comments or ideas about what you think successful solid waste management should look like in the future, especially as they relate to your sector or industry.

Q: Which option best describes your business or organization? (multiple choice)

- *Recycling Business (hauler, processor, etc.)*
- *Non-Profit Environmental Organization*
- *Charitable Organization*
- *Consultant*
- *Product Supplier or Manufacturer*
- *Depot Operator*
- *Other (please specify)*

Q: What community is your business or organization located in? (multiple choice of Metro Vancouver municipalities)

Q: Does your business or organization also operate outside of the Metro Vancouver Regional District?

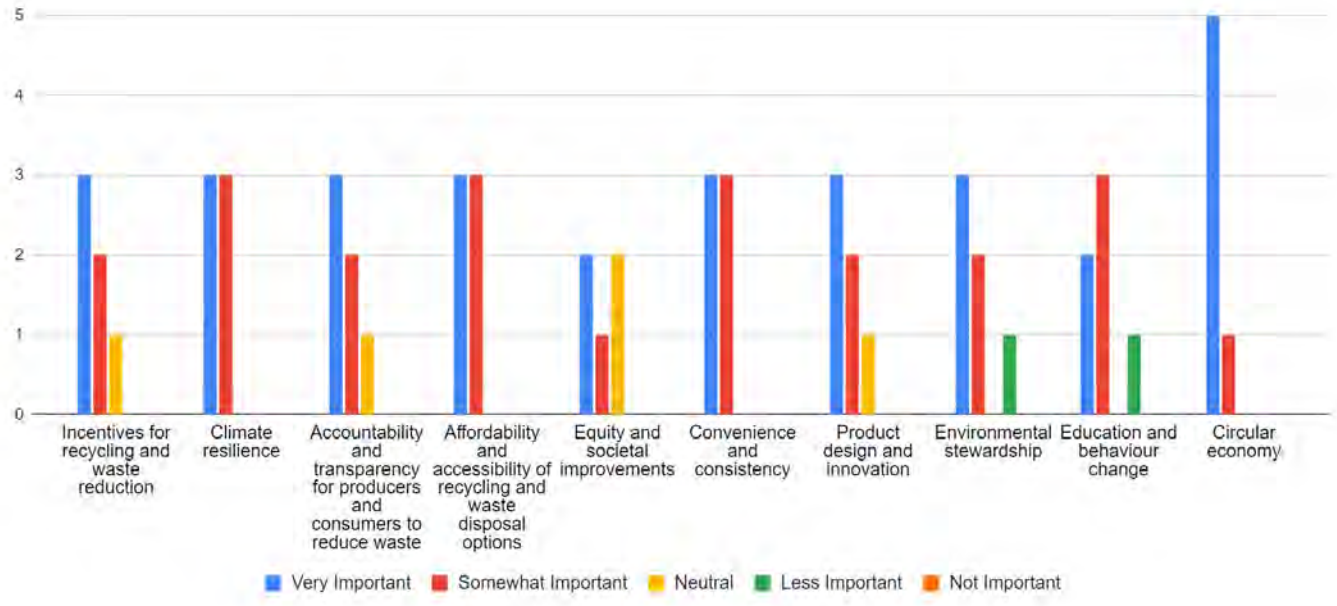
Q: Are there any additional comments or information related to solid waste management in the Metro Vancouver region that you would like to share?

Q: Would you like to provide additional feedback? Please feel free to include your name and contact information here and we are happy to follow up with you directly.

Survey Results:

The survey ultimately received 6 responses. While the total number of responses is fewer than was hoped, they represent RCBC Members in 6 different member municipalities, in 4 different business or organization types, and a split between those who operate only in Metro Vancouver and those who also operate in other regions.

Respondents were asked to rank a number of themes from not important to very important. The following chart shows the responses:



These responses indicate that all of the presented themes are considered ‘very important’ by at least two of the six respondents, with Circular Economy ranked as ‘very important’ by five of six. Similarly, all themes were ranked ‘somewhat important’ by at least one respondent. Environmental Stewardship and Education and Behaviour Change were the only themes that earned ‘less important’ rankings, and none of the presented themes were ranked as ‘not important’ by any of the respondents.

Q: Of the above themes, which would you identify as most important to your industry or sector and why?

Five of the six respondents provided comments on the theme they found most important to their industry or sector. Two identified Circular Economy as most important, and Environmental Protection, Incentives, and Waste Prevention were each chosen once. The complete text of the provided comments follows:

"Environmental protection, not just of natural spaces but of all the environment (air quality, water quality, etc)" - citizen
"Incentives for recycling and waste reduction – for businesses and individuals, because I've seen firsthand how incentives and regulation create needed change at scale, and shift the general status quo." - Recycling Business (hauler, processor, etc.)

"Circular economy. With bikes being our focus, it's important to us to keep bikes in working condition by finding useful parts and material from other bikes that are no longer ridable." - Non-Profit Environmental Organization

"Education and transparency about what can be recycled and what happens to it. Circular economy as we want to encourage people to reuse instead of buying new but also behaviour change - getting more people to understand that they should be responsible for their waste and the items they purchase" - Recycling Business (hauler, processor, etc.)

"waste prevention - we have focused too much on recycling and diverting materials from a landfill" - Consultant

Q: Please share any other comments or ideas about what you think successful solid waste management should look like in the future, especially as they relate to your sector or industry.

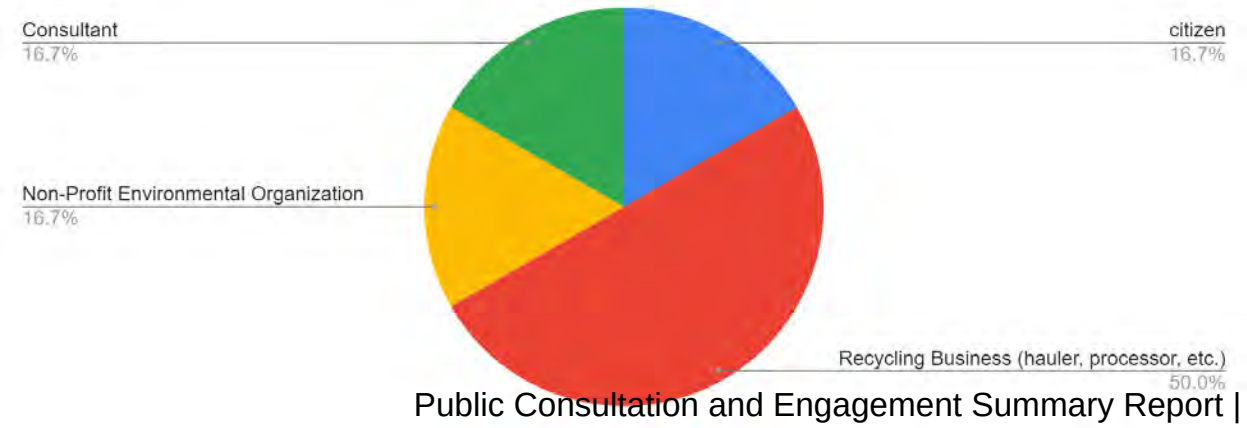
Three respondents chose to share additional comments about what they think successful solid waste management should look like in the future. Several of these suggestions also connected to the themes presented, such as incentives and education.

"Actually work on zero waste" - citizen

"We need more regulation and landfill bans. Look at the huge shift that happened in 2013 when we banned organics from landfill." - Recycling Business (hauler, processor, etc.)

"More incentives. Information on what is happening with these materials. Getting larger organizations to implement a recycling plan. " - Non-Profit Environmental Organization

Q: Which option best describes your business or organization?



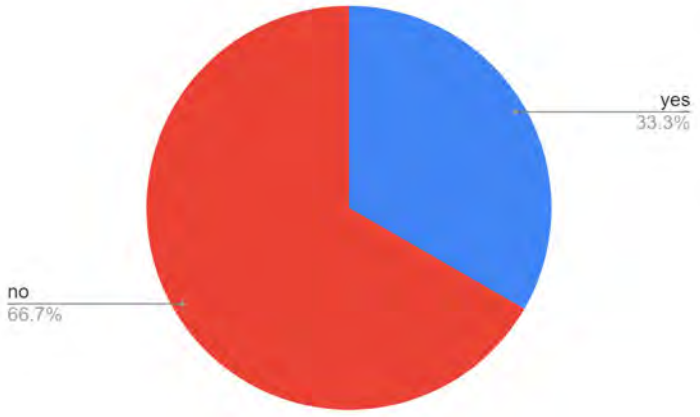
Q: What community is your business or organization located in?

Each of the six respondents identified a different Metro Vancouver municipality as the primary location for their business or organization. Represented communities are Burnaby, District of North Vancouver, Ladner, Maple Ridge, Port Coquitlam, and Vancouver.



Q: Does your business or organization also operate outside of the Metro Vancouver Regional District?

Respondents indicated that they operate primarily within the Metro Vancouver region, with 66% operating only within Metro Vancouver while 33% also operate in communities outside of the region.



Q: Are there any additional comments or information related to solid waste management in the Metro Vancouver region that you would like to share?

Two respondents provided additional comments:

> “Time to close the waste to energy facility” - citizen

> "In an ideal world, I'd like to see regulations banning the sale of non-repairable toys

devices, and electronics in our region." - Recycling Business (hauler, processor, etc.)

Q: Would you like to provide additional feedback? Please feel free to include your name and contact information here and we are happy to follow up with you directly.

One respondent provided their name and indicated an interest in engaging with Metro Vancouver on end of life solutions for single-use items.

Observations & Recommendations:

Engagement in this process was poorer than anticipated. It may be that this stage of the engagement process is early and conceptual to the extent that stakeholders are not sufficiently motivated to engage, or that stakeholders are looking for engagement opportunities more tailored to their particular interests or concerns. One respondent representing a business in the recycling sector indicated an interest in engaging in consultations with Metro Vancouver regarding end of life solutions for single-use items, specifically.

Conclusions:

This survey aimed to solicit feedback from RCBC Members in the Business/Industry and Non-Profit sectors. Of the six respondents, four were recycling businesses or consultants, one identified as an environmental non-profit, and another described themselves as a citizen. Each respondent was located in a different Metro Vancouver member municipality.

Overall, the survey results indicate a strong emphasis placed on the Circular Economy theme, though all themes were ranked ‘very important’ by at least 2 respondents, and none were ranked ‘not important’. Feedback received suggests that there is interest and support for the introduction of additional regulations such as landfill bans or bans restricting the sale of non-repairable devices. Education and transparency are also noted as important factors in encouraging participation and trust in recycling and circular systems.



MASTER RECYCLER

Serving the Greater Vancouver Region

Report on Collaborative Engagement Activities Conducted for the Metro Vancouver Solid Waste Management Plan Update: Fall 2023 Vision and Guiding Principles

December 2023

From Master Recycler Public Consultation

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Survey Results – Count of Rankings Per Theme 16

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Background

This Collaborative Engagement opportunity is Metro Vancouver's initiative to gather public input on emerging themes that will inform the vision and guiding principles of its Solid Waste Management Plan update.

Master Recycler Vancouver (MRV) is an in-depth train-the-trainer adult education program on waste reduction and prevention for residents, businesses, and public entities. The program consists of 22+ hours of instruction along with one-on-one mentorship to complete 30 community outreach hours. Initially attracting only participants from Vancouver and the Lower Mainland, since becoming virtual following the COVID pandemic, the program has attracted out-of-region and cross-Canada participation. MRV is open to all residents for a refundable deposit and includes a network of over 130 past graduates.

MRV grew out of the Zero Waste Committee of the Society Promoting Environmental Conservation (SPEC), a non-profit, charitable, volunteer-driven organization founded in 1969 whose mission is to provide its community with practical solutions for urban sustainability. SPEC's vision is a healthy, just and vibrant urban life that enhances local and global ecosystems.

At MRV, we understand how important solid waste management planning is for both inter-regional initiatives in years to come, and for their cross-regional influence. Our audience spans people from a wide variety of industries and tends to consist of the residents with the most eagerness for "zero waste". We want to ensure that the engagement opportunities capture the priorities and unique insights of this audience.

The purpose of this broadscale public engagement was to evaluate ten themes that had emerged from Metro Vancouver's initial stages of consultation. The ten themes provided for feedback are:

- Accountability and transparency — For producers and consumers to reduce waste.
- Affordability and accessibility — Of recycling and waste disposal options.
- Circular economy – Reuse, repair, and thrifting instead of throwing things away.
- Climate Resilience – Investing in systems with low climate impact.
- Convenience and consistency – Waste and recycling services that are easy to understand and simple to use.
- Education and behaviour change – Changing how we think about waste and what we purchase.
- Environmental stewardship – Protection of natural spaces.
- Equity and societal improvements – All groups have access to information, education and services.
- Incentives for recycling and waste reduction – for businesses and individuals.
- Product design and innovation – Designing products to be more circular and regenerative.

Overview of Engagement Activities

Approach

The Collaborative Engagement consisted of an online survey and a live virtual workshop facilitated by the co-founders and facilitators of Master Recycler Vancouver, Emily McGill and Eyal Lebel. The survey was open for responses over a 3 week period in November-December 2023, and the virtual workshop took place from 6-7:30pm on Wednesday, December 6, 2023, via Zoom.

Outreach included invitations sent via email newsletters and working group mailing lists for SPEC and the Master Recycler Vancouver participant network, as well as social media posts via Master Recycler Vancouver (Instagram, Twitter, and Facebook group).

Survey Design

The survey consisted of seven questions provided by Metro Vancouver. A brief simplified version of the survey is included in the Appendix for reference. All questions were required.

The questions included:

- One question ranking each of 10 emerging themes on a five-point scale from Most important to Not important
- Two questions asking for qualitative input on any other themes that should be considered, and any specific comments or ideas about successful solid waste management in Metro Vancouver
- Four demographic questions: type of housing, location, age range, and language spoken most at home.

Workshop Design

Metro Vancouver provided a robust template for the Collaborative Engagement workshop, which MRV adapted. The workshop asked participants to choose their top two and bottom two themes, discuss aloud and via a shared virtual Jamboard why they made those selections, share anything they thought was missing from these themes, and complete the sentence "When considering the state of solid waste management in Metro Vancouver, the most important thing to me is…".

Engagement Statistics

Survey Participants: 40
Workshop Participants: 10 (13 registered)

Survey Outcomes

Respondent Demographics

There were 40 respondents, 39 of whom speak English at home. More than half (22) respondents live in Vancouver. All respondents live in either a detached house (40%), apartment/condo (45%) or townhouse (15%). The majority (65%) are between 19 and 52, and the remainder are 53 or older.

Household Type

Detached House: 40% (16 people)
Apartment/Condo: 45% (18 people)
Townhouse: 15% (6 people)

Languages Spoken at Home

39 of 40 (97.5%) of respondents speak primarily English at home, and one respondent speaks primarily Spanish at home.

Age Range

35% of respondents are 19-25, 30% are 36-52, 18% 53-65, 10% 66-74, and the remaining 8% are 75 or older.

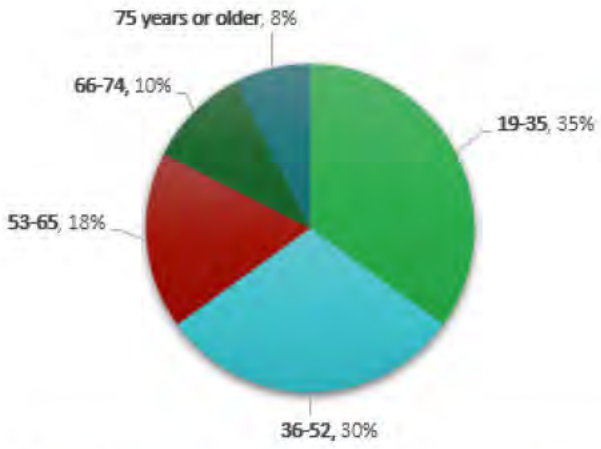


Figure 1 Age range by percent of survey respondents

Home Location

Of the survey respondents, 55% (22 people) live in Vancouver, 13% (5 people) in each of New Westminster and Coquitlam, 5% (2 people) in Burnaby, and 13% elsewhere - one person each in Surrey, West Vancouver, UBC, District of North Vancouver, and Port Coquitlam. One respondent does not live in Metro Vancouver.

Table 1 Survey Respondents' Home Locations

Home Location	Number of Respondents
Vancouver	22
New Westminster	5
Coquitlam	5
Burnaby	2
Surrey	1
West Vancouver	1
UBC	1
District of North Vancouver	1
Port Coquitlam	1
I do not live in Metro Vancouver	1

Theme Importance Ranking

In the survey respondents were asked to individually rank each theme on a five-point scale from "Most Important" to "Not Important". The same ranking could be applied to multiple themes, as there were five ranks for ten themes.

Frequency of all rankings

Importance Ranks	Most important	Somewhat important	Neutral	Less important	Not important
Frequency of Response	40 (all)	30	17	3	2

Frequency of above neutral rankings

Of the forty respondents, 7 of them ranked all 10 themes as "Most Important", while an additional fifteen (twenty-two people total) ranked *all* the themes either "Most" or "Somewhat" important.

All themes received at least one ranking of 'Most Important'. Circular economy is the only theme which received exclusively "Most" and "Somewhat" important designations. Circular economy was ranked "Most Important" 85% of the time, followed by "Product design and innovation" at 75%.

Frequency of rankings neutral or less

Only three people ranked any theme 'Less Important" and two people "Not Important" rank, though seventeen respondents used the "Neutral" designation. The only two themes which received any "not important" rank were "Education and behaviour change" and "Incentives for recycling and waste reduction".

Table 2 Per cent Responses for Each Emerging Theme, Rank of Importance

Zero values are not shown. The count of responses is provided in the [redacted]

Emerging Themes	Most Important	Somewhat Important	Neutral	Less Important	Not Important
Circular economy	85%	15%			
Product design and innovation	75%	23%	3%		
Climate Resilience	68%	28%	3%	3%	
Education and behaviour change	65%	33%			3%
Accountability and transparency	63%	33%	5%		
Environmental stewardship	60%	33%	8%		
Equity and societal improvements	60%	30%	10%		
Affordability and accessibility	59%	31%	8%	3%	
Convenience and consistency	55%	33%	8%	5%	
Incentives for recycling and waste reduction	53%	15%	25%	3%	5%

Long-form Question Answers

Two qualitative long-form questions were offered:

1. Besides the 10 themes above, are there any others that should be considered?
2. Please share any other specific comments or ideas about what you think successful solid waste management should look like in the future for Metro Vancouver.

For other theme considerations, ten respondents either said "n/a", or that the themes were sufficient as-is. For comments and ideas, five respondents either said "n/a" and one said that the existing themes seemed to cover it well. Four of the respondents mentioned declined on both questions.

In the responses for other theme considerations, the answers by and large are ideas that fall under existing themes, rather than new or divergent standalone themes themselves. The other specific comments or ideas constitute ideas that relate to themes, values, or approaches to solid waste management. The answers to both questions are summarized here, grouped either by which theme they most relate to.

Correlating Themes with Survey Responses

Most of the survey responses can be grouped under several of the existing themes, summarized below.

- Circular economy; normalizing and prioritizing reduction, reuse, diversion from landfill (recycling and compost), sharing services, include reimagining (reinvent/repurpose), improving efficiency and resilience of waste/recycling systems, municipal textile recycling.
- Climate resilience; align with climate action goals.
- Education and behaviour change; providing public education about where recycling goes, working with schools, improved messaging on-product to indicate its footprint / diversion potential, communication and public relations around performance towards goals, repair café's throughout Metro Vancouver, education needing to emphasize reciprocity between nature and humanity, better communication on proper sorting, an emphasis on large businesses, clear guidelines around compostables (only paper/wood/fiber, no plastic lookalikes), promote the recordings available from the Zero Waste Conference for public education
- Accountability and transparency; regulations that require reporting, extended producer responsibility / fees for industries with a lot of waste (e.g. fashion), information on how Metro Vancouver waste flows out of region, effectiveness of different recycling strategies.
- Affordability and accessibility; streamlining laneway waste pickup, harmonization across cities.
- Incentives; higher fees for non-participation in diversion efforts, enforcement, incentivizing bulk product sales
- Product design and innovation; reducing plastic packaging across all sectors.
- Climate resilience; green energy

Other Comments and Ideas

Standalone concepts or ideas that apply across themes include:

- Multidisciplinary focus, across regulation/education/innovation and between sectors (government, industry, public)
- Waste-to-energy initiatives as a last resort
- Curbside pick-up days every year, facilitated by municipalities.
- Construction and demolition waste; keep track / codify building materials at time of construction for later recycling.
- Wider regulatory framework – connecting the themes to provincial and federal waste legislation/regulations; advocacy for nation-wide waste regulations, with provincial/regional waste systems.
- Job creation in waste reduction
- Building capacity for binners
- The recycling profession being dignified and safe.
- Enforcement, e.g. public buildings following best practices.
- Recycling accessibility for hospitals
- Being on the leading edge of sustainability practices
- Learning from what other countries are doing.
- Clear messaging about diversion potential for products and packaging, e.g. reusable fabric bags from stores, compostable items, plastic bags labeled as 'compostable'
- One respondent had a specific concept to have neighbourhood recycling consolidation hubs at a neighbourhood scale, as an improvement on the current distributed depot system.

Workshop Results

Workshop Format: Virtual
Date: Dec 6, 2023
Registered: 13
Attended: 10
# of event promotions: 8 (social posts, newsletter, emails)

Onoe participant reported previously completing the survey circulating from Metro Vancouver.

The Jamboard used in the workshop is available for review here:

[redacted]

Images of the completed Jamboard pages are available in the Appendix. Not all participants engaged in the Jamboard, and of those who did, the live discussion provided more context on their Jamboard responses. These discussion points are summarized in the [redacted] on the following page.

Overview of Top Two and Bottom Two Themes

Of all the themes, only Circular Economy was exclusively selected in the top two, and only affordability and accessibility was exclusively selected in the bottom two.

Table 3 Frequency of selection in top or bottom two, for all themes

	Frequency of Selection	
Themes	Top Two	Bottom Two
Accountability and transparency	2	1
Affordability and accessibility		5
Circular economy	4	
Climate Resilience	3	2
Convenience and consistency	2	3
Education and behaviour change	2	1
Environmental stewardship	1	3
Equity and societal improvements	1	2
Incentives for recycling and waste reduction	1	2
Product design and innovation	3	1

Discussions Overview

The participants did not have clarifying questions about the solid waste management planning process overall. One clarifying question was asked to provide examples of what 'accountability and transparency' might mean. There was time for each participant to state the rationale for their top and bottom two choices out loud. Overall, a common comment was that it was very difficult to select top and bottom, since all the themes were obviously important.

Workshop Notes

The summary here draws from notes taken during the workshop. Individual responses are summarized and grouped according to the theme they related to. Where responses in the discussion sections of the workshop are similar, they are summarized as a single response rather than recorded individually.

Session	Notes on Participant Input	Facilitator Observations
Roundtable	Asked to provide examples for accountability and transparency	The only question related to examples of theme implementation. Participants confirmed the background on the SWMP process was clear.
Top two	Circular Economy - Enabling repair over replacing (purchasing new) is important for behaviour change. - Must take precedence to influence any product innovation to make sure it causes net reduction in production. - Reuse should be the highest priority. - Critical for prioritizing reduction. It must be the base / foundation for the other themes to be acted on properly. - There is an existing knowledge base from the past on how to reuse and make items durable, e.g. soft drinks in glass bottles. Product Innovation - Can include making things more repairable and durable (might be the same as circular economy) - The right to repair legislation is critical / has to accompany this, especially since a lot of what people purchase is technology. - Solves the problem from the source rather than dealing with the end of life. Accountability and transparency - It touches on so many of the other themes and can improve implementation of the other themes.	The most prominent top two, weighing poll answers with the ensuing discussion, were: - Circular economy - Accountability and transparency In the real-time discussion about the top two themes, participants reflected on each other's rationales that there seem to be the same underlying values being expressed, but people's selection reflects different interpretations of the themes. The discussion around accountability and transparency

Session	Notes on Participant Input	Facilitator Observations
	- Having more systematic transparency around product footprint / design will help support businesses who are making a difference who are educating their customers on their own. - Transparency in what gets recycled and where it goes is necessary because people at the waste depot, even if they're recycling, doubt where it's going, and there are people not making it to the depot who are probably discouraged by a lack of transparency. **Convenience and Consistency** - There are some people who use the excuse of inconvenience for non-participation in diversion efforts; making it easier should improve recycling rates (e.g. for soft plastics) **Environmental Stewardship** - Encompasses all the other themes. **Climate Resilience** - The most serious problem facing humanity; catastrophic impacts if it is not addressed. **Incentives for waste reduction and recycling** - An option for 'easy wins' - Being rewarded for good actions is scientifically proven to be a good lever, at least for short-term initiation of changed behaviour to create a community of practice / community norms.	seemed to dovetail with education and behaviour change, although education and behaviour change was overall deprioritized, seen as a lower return on investment than other themes.
Bottom two	**Affordability and accessibility** - Gut feeling that most people already can divert waste. - "If we can afford to consume the way we do, we can afford to cut back on consumption behaviours and shift." - This sounds like improving convenience, but the consumer convenience preference is what's driving consumption – when does that stop? "We are too much of an Amazon society right now." - In the past, waste disposal was very inexpensive, but still compared to the damage being done with waste it's still quite cheap – we don't need to make it cheaper. - It's just not as important as the other themes. **Climate resilience** - The metrics for assessing climate initiatives are too inexact and don't effectively connect to individual actions; it's hard for the public to measure.	The most prominent bottom two, weighing poll answers with the ensuing discussion, were: - Affordability and accessibility - Climate resilience Participants uniformly said it was difficult to deprioritize any of the themes. There was an interesting convergence on the bottom priority of affordability and accessibility.

Session	Notes on Participant Input	Facilitator Observations
	- There are already significant resources dedicated to a climate focus at an institutional and governmental level, from business to municipal to provincial and federal, and there are better topics of focus for solid waste management. - It's more removed from solid waste management than the other themes. - It's too broad. **Education and behaviour change** - It's extremely difficult to change behaviour with education alone. - Education can end up backfiring, e.g. people can be discouraged. - Its cost-to-benefit ratio is difficult to measure and likely less than other themes. **Environmental stewardship** - It's already implicit in the other themes; if we take care of those, this will be addressed. **Product design and innovation** - Focusing on product innovation risks continued encouragement of overproduction. Yes, let's innovate, but only in conjunction with reduction, reuse, and circular economy design principles. - The right to repair is more important. - Let's reuse what we can with what we already have — obviously we'll have to innovate some, but not make that our top priority, use what we have and find different ways to put in the stream	Product design and innovation was generally agreed upon as a bottom priority only in the sense of wanting to reduce consumption overall; participants thought that prioritizing product design and innovation over, for example, circular economy, could directly increase production without improving diversion. Similarly, environmental stewardship and climate resilience are seen as overarching or underlying themes that influence and are influenced by all the others.
What's missing? What else?	- Legislation for the right to repair. - Small businesses really need support for their improved reuse / diversion; they're often innovating / doing the most, but they don't have enough exposure to survive as a company. - Extended producer responsibility: if you produce it, you have to have a solution. - The idea of extended *consumer* responsibility; if you buy it, you have to be accountable – the more you consume, the more you pay. - Priority on construction and demolition waste, including renovations, for both commercial and residential buildings. - Enforcement e.g. contamination for commercial users, diversion requirements. - The biggest diversion opportunity gap from a resident perspective is textile recycling. - Commercial sector private contracting with haulers makes it easier for them to not comply with diversion requirements. Increased fines or enforcement could help. - Developing / improving building codes for improved recycling areas; create best practices that can be applied across new building designs.	Legislating the right to repair consistently arose throughout the conversations and was discussed here the most. The idea of consumer responsibility - repercussions for overconsumption - had agreement among several participants, although how this could be implemented wasn't clear.

Session	Notes on Participant Input	Facilitator Observations
	- (From workshop feedback survey) Waste composition studies - these could be built out more to become more accessible to more commercial & residential spaces, possibly require studies to be done periodically so data can be compared year over year for example. Setting targets for the region and then providing evidence (by way of these studies) may encourage commercial and residential spaces to prioritize their actions around waste management. It may also create more jobs for Metro Van.	
The most important thing for me....	- Accountability and enforcement for both consumers and manufacturers; bylaws to enforce diversion efforts (e.g. contamination fees, no dumping) - Support (financial, recognition, promotion) to individuals, groups, and businesses already modeling the themes, especially support for small business. - Overall, a reduction in the consumption lifestyle	There was a strong sense of individual agency to participate in diversion efforts, tempered by a yearning for it to be easier to engage in a lower-consumption lifestyle.
Summary of participants demographics and interests	There were specific interests among the participants in: - Supporting small businesses who are implementing waste diversion initiatives and struggling to make ends meet. - Multi-family buildings having improved waste areas	Participants were primarily past graduates of the Master Recycler Vancouver program. There were 3 people who work in municipal solid waste (2 from City of Vancouver, 1 City of Richmond). All workshop participants were over 32 years old, and a mixture of household types but primarily multi-family. One participant lived outside of Metro Vancouver.

Conclusion

Across both the survey and the workshop, it's clear that all the emerging themes are important to those who provided their insights. Both survey respondents and workshop participants commented on how they value the opportunity to provide input at this early stage of development. We anticipate growing participation in future collaborative engagement opportunities which Metro Vancouver may undertake for the Solid Waste Management Plan update.

We and our community look forward to further engagement opportunities. Please don't hesitate to reach out with any questions on this report.

Sincerely,

Emily McGill
Co-Founder and Core Facilitator, Master Recycler Vancouver
[redacted]

Eyal Lebel
Co-Founder and Core Facilitator, Master Recycler Vancouver
[redacted]

Metro Vancouver Solid Waste Management Plan Survey Summary

Invitation to participate in survey sent Nov 24, 2023, follow up emails Nov 27 & 30th. Deadline to participate Dec 1, 2023. Extended to Dec 6, 2023.

Invitation distributed to 147 email addresses on file, representing 75 member companies. 3 Emails sent and one reminder in weekly update to members. 15 unique responses between Nov 24 and Dec 4.

Email recipients are private sector service providers (haulers), receiving and processing facilities, brokers and suppliers of industry. 12 of 15 respondents reside in Metro Vancouver region, 2 out of MV region and 1 answered 'other'
White Rock x 1
Maple Ridge x 2
Langley x 3
North Vancouver x 1
Vancouver x 2
Coquitlam x 1
Burnaby x 2
outside MV x 2
Other x 1.
70% live in detached home, 12% in condo/apartment, 11% townhouse, 7% other
Age range – 19 - 35 12%, 36 - 52 33%, 54 – 65 55%
Language spoken at home - 100% English

Q1 – Rate importance from 1 to 5 with 1 being least important to 5 being most important

Equity and societal improvements - All groups have access to information, education and services
Avg - 3
Convenience and consistency – waste and recycling services that are easy to understand and simple to use
Avg - 4
Circular economy - reuse, repair, and thrifting instead of throwing things away
Avg - 3
Product design and innovation – designing products to be more circular and regenerative
Avg- 4
Education and behaviour change – changing how we think about waste and what we purchase
Avg - 4
Accountability and transparency for producers and consumers to reduce waste
Avg - 3
Affordability and accessibility of recycling and waste disposal options
Avg - 4
Environmental stewardship – protection of natural spaces
Avg - 3
Incentives for recycling and waste reduction – for businesses and individuals
Avg - 4
Climate Resilience – investing in systems with low climate impact
Avg – 3

Q2 – Other suggested themes to be considered

- Recognize that not everyone will want to or even cares about recycling, by allowing waste sorting facilities to remove what is left. These are proven to work worldwide regardless what our local governments want to say about it.

- accountabiity and policy development transparency

- Transparency in waste processing facilities

- private sector investment, capacity in region

- Longterm landfill disposal plan

- Regulations that allow cost competitive and innovative solutions for tax payers.

Q3 – Other comments or ideas

- Let waste & recycling industry freely compete. If we want to fine haulers for cardboard and other recyclables being in their loads, we must allow them to dump and sort their loads prior to disposing of it.

- innovaton

- better regional alignment

- circular economy

- allow for investment / innovative technologies in region to handle non recyclables / create new products

We were happy to provide the survey to members, some had indicated they had already participated in the survey provided by MV at an earlier date. Many of our members also indicated they were looking forward to the next phase of engagement. There is some distrust in the process with MV so found some of these members being skeptical of participating.

Waste Management Association of BC

[redacted]

metrovancouver

Vancouver Food Runners

DECEMBER 2023

METRO VANCOUVER
SOLID WASTE MANAGEMENT PLAN UPDATE
ENGAGEMENT ACTIVITIES REPORT



PREPARED BY

VANCOUVER FOOD RUNNERS

ENGAGEMENT ACTIVITY #1 (27 SEPT 2023)

VFR HELD A VIRTUAL LUNCH & LEARN SESSION FOR FOOD INDUSTRY PROFESSIONALS ABOUT REDUCING FOOD WASTE. BROOKE ATKINSON, METRO VANCOUVER SENIOR ENGAGEMENT SPECIALIST, WENT THROUGH THE METRO VANCOUVER SOLID WASTE MANAGEMENT PLAN UPDATE SURVEY (SHORT VERSION) WITH THOSE WHO ATTENDED.



- 68 individuals registered for the event (38 individuals attended the Lunch & Learn Event, including speakers)
- Youtube recording of the event: https://www.youtube.com/watch?v=hPJNDLxQanA (*sent to everyone who registered)*
- 19 individuals completed the Metro Van survey (short version) from this engagement activity (primarily food industry professionals)

Survey Results: 19 Respondents

The following themes were felt to be "very important" by the greatest number of respondents:

1) Equity and societal improvements - all groups have access to information, education, and services (15 respondents)
2) Climate resilience - investing in systems with low climate impact (14 respondents)
3) Circular economy - reuse, repair, and thrifting instead of throwing things away (14 respondents)
4) Accountability and transparency for producers and consumers to reduce waste (14 respondents)



In the "other" category, for themes to be considered, respondents mentioned:

- Need for food waste tracking and reporting
- We shouldn't reward or provide incentives to do the "right thing." ALL of those topics are paramount to shifting this paradigm of how we use the resources we have.
- Having a concrete plan and structure on how to reuse food quickly -- perhaps a commissary kitchen with professional chefs and food service professionals being paid a living wage, so that they can tackle food waste, innovate food circularity, educate the public, and help fight food insecurity by giving back nutritious food to the community. It will take investment, but it will have lots of ROIs with respect to the environment and the health of the public.
- Focus on food waste prevention for restaurants, ensuring food efficiency (in grams of food waste per cover) is tracked. If not tracked, businesses should pay more taxes. And this money should help finance food waste audits or education.



ENGAGEMENT ACTIVITY #2 (30 SEPT 2023)

VFR E-NEWSLETTER FEATURE ON PAUL HENDERSON, GENERAL MANAGER OF METRO VANCOUVER SOLID WASTE SERVICES, WHICH INCLUDED THE METRO VANCOUVER SOLID WASTE MANAGEMENT PLAN UPDATE SURVEY



- VFR e-newsletter sent to 1315 readers: open rate: 60.4% (794 individuals engaged with the article)
- Article was also featured on VFR's social media channels (Instagram and Facebook): 2500+ followers (reached 213 accounts on IG)
- 28 individuals completed the Metro Van survey from this engagement activity (primarily VFR volunteers)

Article on Paul Henderson and the Metro Vancouver Solid Waste Management Plan Update

VFR: Paul, tell us about yourself and your journey leading up to your current role as General Manager of Solid Waste Services at Metro Vancouver.

Paul Henderson: I have spent my entire career working in local government, with a focus on waste reduction, recycling, and the management of garbage. I had the privilege of working for the City of Vancouver for 22 years and have worked for Metro Vancouver for the last 12 years. I'm a professional engineer with a Master of Applied Science (Engineering) degree as well as an MBA.

I see prevention of food waste as a key priority for Metro Vancouver as well as the region as a whole. Work by non-profits such as Vancouver Food Runners is critical in achieving our collective goals.

VFR: Tell us a bit more about Metro Vancouver Solid Waste: its role in terms of services, planning, and management of solid waste in the region.

PH: Metro Vancouver has a North American leading recycling rate of 65% — roughly twice the Canadian average –- and continues to strive towards zero waste, greenhouse gas emission reduction, and a circular economy.

Metro Vancouver is responsible for planning for less waste, improving reuse and recycling systems, and managing and disposing of the remaining waste in an environmentally responsible manner. We operate a series of solid waste facilities in the region that provide reliable and resilient waste and recycling services available to all residents and businesses in the region. We also work with our member jurisdictions on waste reduction solutions.

VFR: At Vancouver Food Runners, our program is focused on redirecting surplus food from businesses to nearby nonprofits, so we have a specific interest in food waste reduction. Please share about Metro Vancouver's work in food waste prevention and reduction, and also touch upon the importance of using your green bin!

PH: In Metro Vancouver, we are working to reduce food waste in two ways: by preventing food from being wasted in the first place, and by diverting food scraps from disposal. Composting food scraps is an easy way to have a big impact in our region. By using their green bins, Metro Vancouver residents have:

Saved 420,000 tonnes of food scraps from the garbage in 2021, preventing 160,000 tonnes of greenhouse gases which is comparable to taking 50,000 cars of the road.



ENGAGEMENT ACTIVITY #2 CON'T

VFR E-NEWSLETTER FEATURE ON PAUL HENDERSON, GENERAL MANAGER OF METRO VANCOUVER SOLID WASTE SERVICES, INCLUDING METRO VAN SOLID WASTE MANAGEMENT PLAN UPDATE SURVEY

Diverted enough organic material to create 140,000 tonnes of finished compost in 2021 —enough to cover more than twice the area of Downtown Vancouver!

Metro Vancouver has several initiatives that focus on food waste reduction in the region. We work with the National Zero Waste Council on the Love Food Hate Waste Canada campaign promoting food waste prevention among Canadians.

We also work with FoodMesh on the Metro Vancouver Food Recovery Network, which is an online platform that connects organizations with surplus food to those who can put the food to good use.

VFR: The Metro Vancouver solid waste management plan is currently in the process of being updated. Please tell us about this update and why it is important.

PH: We are updating our solid waste management plan, building on the strengths of the current plan (approved in 2011), and identifying opportunities for accelerated waste reduction and diversion while reducing greenhouse gases and promoting a circular economy.

Metro Vancouver is actively engaging with governments, including First Nations, government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan.

We are currently in the vision and guiding principles phase and are seeking feedback from the community about values and priorities related to how residents and businesses purchase, use, reuse, recycle, and throw things away in our region.

To learn more about the update, please visit our website; and complete the 5-minute feedback survey below.

Survey Results: 28 Respondents

The following themes were felt to be "very important" by the greatest number of respondents:

1) Incentives for recycling and waste reduction for businesses and individuals (24 respondents)
2) Convenience and consistency - waste and recycling services that are easy to understand and simple to use (23 respondents)
2) Accountability and transparency for producers and consumers to reduce waste (23 respondents)



In the "other" category, for themes to be considered, respondents mentioned:

- Need for businesses to donate their surplus food
- Need to focus on infrastructure (specifically new composting infrastructure)
- Food waste tracking and reporting
- Reducing plastic packaging on products sold in grocery stores
- Changing people's thinking about being "too busy" to recycle or reuse



ENGAGEMENT ACTIVITY #2 CON'T

VFR E-NEWSLETTER FEATURE ON PAUL HENDERSON, GENERAL MANAGER OF METRO VANCOUVER SOLID WASTE SERVICES, INCLUDING METRO VAN SOLID WASTE MANAGEMENT PLAN UPDATE SURVEY

Responses to the comments or ideas about what a successful solid waste management should look like in the future.

"We, as a community, are responsible for our waste. Every individual must appreciate and understand this to its essence. It isn't just the sorting of the items into the correct blue box/yellow bag that is an individual's responsibility; it is the initial purchase of the item and where it ends up! When someone buys a bag of chips and a plastic bottle of coke, are they thinking of where both items end up? No. Once used, they are thrown into the garbage at the mall and then is someone else's responsibility. Likely, it ends up in another country across the planet. Likely not recycled. Or possibly, shipped elsewhere in our province? It is becoming clearer and clearer that stronger education and consequences be put in place to get a handle on the 'disposable' approach we have to our waste issues."

"Sorry, it looks like everything is VERY Important. Right now, one of my main concerns is the confusion about sorting items. I believe that requires more than education, it needs simplification, which may need to back up some steps to streamline what is produced as well as what is available for purchase by consumers - e.g., single use plastic banned in grocery stores, but required and sold for garbage bags."

"Composting and source separation technologies are growing, and we should incorporate these into the waste plan. Don't ignore innovation -- what we have today isn't going to handle the growing waste problem that we have. Recently, Metro Van has banned certified compostables (even the ones that work well) to encourage people to start food scrap collecting (compostable checkout bags). I'm not saying this is the best solution for collecting food waste, but for some situations, it should be encouraged and certified compostable bags can do that. As of today, it seems like recycling is favoured, reusables is praised (I do agree!); but compostables are not encouraged, which is a bummer because many green jobs in BC are in the compostable industry. There's got to be a way to align the various green jobs and waste management practices to keep us flowing in the right direction."

"I really think it's important to educate people and companies on how to reduce waste. And to encourage large multi-national companies to act locally to ensure that the communities in which they are doing business benefit from their "waste" (i.e., food rescue)."

Other ideas from respondents:

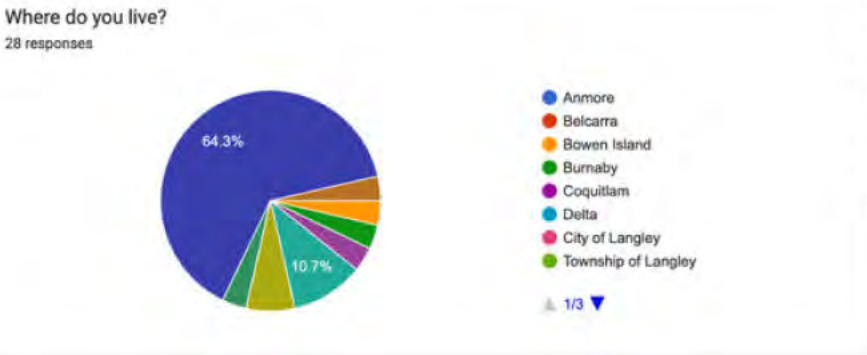
- Household wasted reduced by 25% (too many people do not recycle)
- Monetary incentives/ tax incentives for people with low income
- Having to bring soft plastic to a recycling centre versus curbside pick-up makes people just toss it in the garbage
- More funding for this work
- Provide incentives for restaurants to prevent food waste and disclose food efficiency (in grams of food waste per cover)
- Less talk about recycling and more about reducing
- Allow biodegradable organics collection bags in the organics pick-up
- More penalties (tax) for single-use items



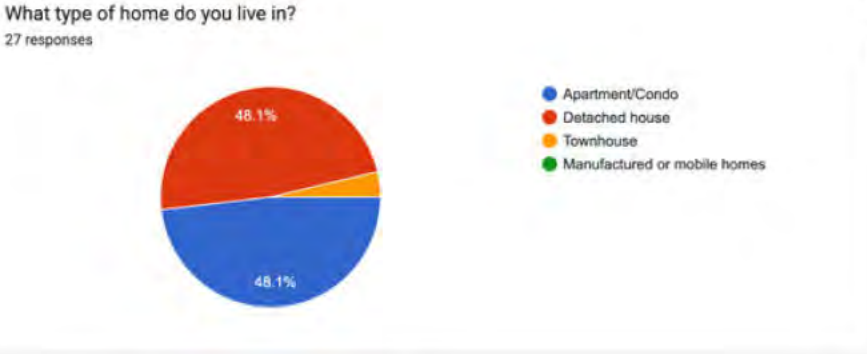
ENGAGEMENT ACTIVITY #2 CON'T

VFR E-NEWSLETTER FEATURE ON PAUL HENDERSON, GENERAL MANAGER OF METRO VANCOUVER SOLID WASTE SERVICES, INCLUDING METRO VAN SOLID WASTE MANAGEMENT PLAN UPDATE SURVEY

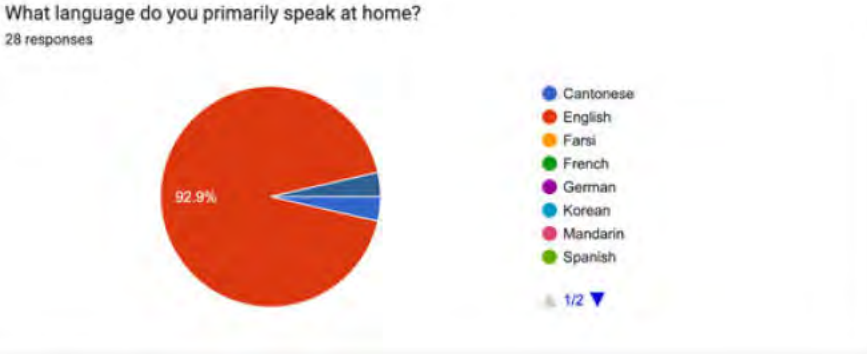
Demographic Profile of Respondents



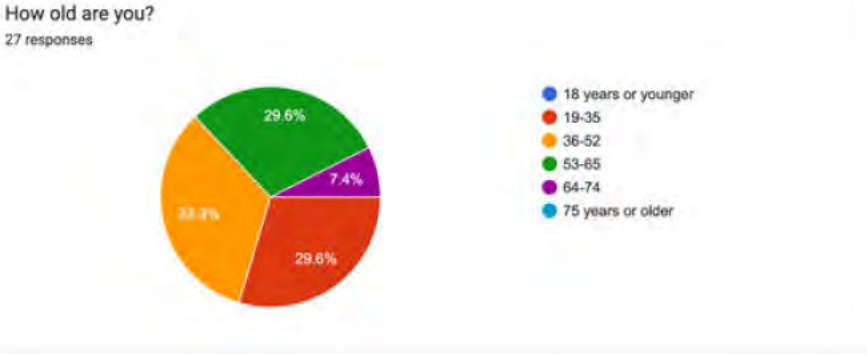
Vancouver: 64.3%
City of North Vancouver: 10.7%
District of North Vancouver: 7.1%
Surrey: 3.6%
West Vancouver: 3.6%
New Westminister: 3.6%
Bowen Island: 3.6%
Burnaby: 3.6%



Detached House: 48.1%
Apartment/Condo: 48.1%
Townhouse: 3.7%



English: 92.9%
Punjabi: 3.6%
Cantonese: 3.6%





ENGAGEMENT ACTIVITY #3 KEY INTERVIEWS

FIVE IN-DEPTH INTERVIEWS WERE CONDUCTED WITH METRO VANCOUVER FOOD INDUSTRY LEADERS TO GATHER INFORMATION ON KEY THEMES RELATED TO THE METRO VANCOUVER SOLID WASTE MANAGEMENT PLAN UPDATE



Key interview with David Speight
Executive Chef & Culinary Director, UBC Food Services
Date: 25 October 2023

Meeting Summary:

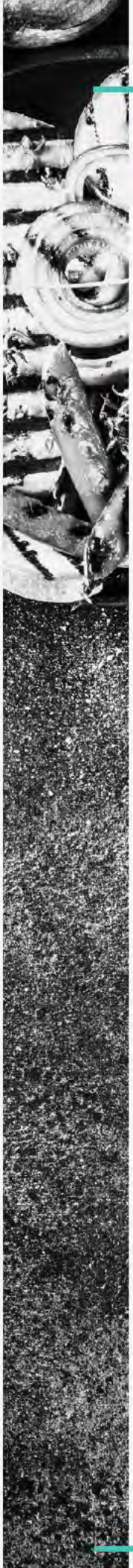
David discussed the state of UBC and the food industry post-COVID. He shared that UBC was impacted by the pandemic, but they never fully closed and are now back to normal with events and catering. He also talked about the challenges of hiring staff due to people leaving the industry during the pandemic. David also discussed the positive job market in the food industry this year after a tough hiring push last year. For the Metro Vancouver update themes, David said they were all important, and that it was hard to choose, but he listed affordability, accessibility, convenience, consistency, accountability, and transparency as being non-negotiable and central themes. He also felt that education and behaviour change were very important, as this would lead to societal change. David put product design and innovation more towards the bottom.

The conversation then shifted to preventing food waste in Vancouver. David suggested that regulation is necessary to incentivize businesses and consumers to participate in preventing food waste, but also acknowledged the importance of values-based approaches and consumer demand. David also discussed the challenges of infrastructure, such as space and composting areas, in preventing food waste and the need for creative solutions to address these challenges. Overall, David emphasized the importance of collaboration between businesses, consumers, and government in preventing food waste. He also discussed the challenges and opportunities around composting in businesses, with David emphasizing the importance of a holistic approach and societal mindset change.

Key Action Items for Metro Vancouver:

- Metro Vancouver should consider the financial incentives and penalties associated with regulation to encourage businesses to participate in food waste reduction
- Metro Vancouver should ensure meaningful and authentic engagement by incorporating feedback and insights from stakeholders into the plan
- Metro Vancouver needs involve Indigenous voices and communities in the planning process.
- Metro Vancouver should engage with large mainline suppliers, such as Gordon Food Services and Sysco, to address their role in food waste management and prevention
- Metro Vancouver should provide food businesses with sufficient time to adapt to any new regulations and provide supports for businesses with any sustainability initiatives they undertake

"As much as Metro Vancouver is responsible for Metro Vancouver, this is a global problem. And there is no one government that can solve this on their own. I think starting with education is really key for all of these things. And then if I had to pick another one, I'd say accountability and traceability. And that kind of goes back to industry. And policy and regulation. Without accountability or transparency, then you're left to individual businesses making individual decisions. Some may be making the right decision, but, as we know, a lot are making the financially best decision for just their business. So, I think these themes are really paramount as well."



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Key interview with Husein Rahemtulla
Founder & COO of Fresh Prep
Date: 25 October 2023

Meeting Summary:

A lot of this interview covered the challenges of composting and waste management for businesses and the potential for government to incentivize composting and recycling. Husein mentioned that Fresh Prep deals with waste privately, and they have their own contracts for composting and recycling.

The meeting also discussed the Solid Waste Management Plan's vision and guiding principles. Husein felt that it is important to focus on incentives for recycling and waste reduction. Husein was also interested in the idea of legislating that food be redirected to the best possible end use (how certain European countries are moving towards this). Husein was least interested in the themes of equity and societal improvements, as he was not sure what type of action could be taken on these issues. Husein was also least interested in climate resilience, as he also felt that this theme was less actionable and tangible.

Husein also discussed the importance of having clear and measurable goals, penalties for non-compliance, and the need for businesses to donate surplus food that is still usable.

He also discussed the potential for a food recovery hub in Metro Vancouver that would bring together food recovery organizations and social enterprises to process surplus food, create meals, and provide jobs.

Key Action Items for Metro Vancouver:

- Metro Vancouver should explore the feasibility of implementing a fee based on waste usage and assess the need for larger bins and more frequent pick-ups for businesses
- Metro Vancouver should consider regulations requiring businesses to donate usable surplus food
- Metro Vancouver should explore the possibility of incentivizing businesses to hire sustainability analysts
- Metro Vancouver should collaborate with food recovery organizations and social enterprises to develop a food recovery hub

"I would expect most businesses to have that in place, thinking about prevention, because it just impacts their bottom line, so they're careful about that sort of thing. But I think having funding for roles that can look more carefully at that, especially for businesses that might not have the size to afford that, like a sustainability analyst type of role where you can evaluate and measure and then follow up on reporting. With something like, how much waste are we producing or what's our carbon footprint?

With those types of rules, I think a business has to set aside budget for it, and there's not a very clear impact or return on that investment of hiring a person for it. So, having it incentivized or subsidized, I think would be really helpful or even like a consulting type of option for that."



ENGAGEMENT ACTIVITY #3 KEY INTERVIEWS

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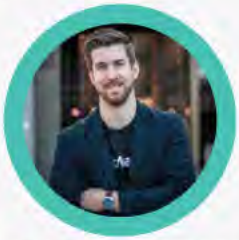


Key interview with Drew Munro
Founder & CEO of UpMeals
Date: 26 October 2023

Meeting Summary:

Drew discussed key issues related to solid waste management, and the most important themes for him were: incentives for recycling and waste reduction, and accountability and transparency. He also felt more exploration and work needs to be done on understanding the full carbon footprint of a business (e.g., trucks on the road to drive food around). Drew also shared about the challenges around space, infrastructure, and costs associated with composting and hauling services. Drew was least interested in the circular economy (e.g., businesses are not considering their whole carbon footprint); and he was also least interested in equity and societal improvements, because he felt that government was doing work in this area already.

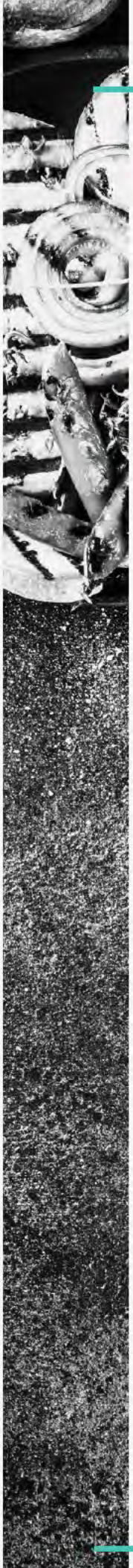
Drew outlined his thoughts on how to craft a vision statement and guiding principles for Metro Vancouver solid waste management. He recommended that the vision statement should be easily understood and big enough to get people excited, but not too big that it seems unrealistic. Drew also discussed the importance of engaging businesses in creating sustainable policies (the need for real and authentic engagement with the food industry) and the need for meaningful incentives to encourage compliance. Drew suggested a reporting structure with rewards and penalties as well as recognition through awards as ways to incentivize businesses. Overall, the discussion shed light on the complexities of sustainability in the food industry and the need for innovative solutions that take into account the broader climate picture.

Key Action Items for Metro Vancouver:

- Metro Vancouver should explore the carbon emissions impact of circular economy initiatives, assess their effectiveness, and engage in more in-depth discussions and consultations with businesses to understand their operations and challenges
- Metro Vancouver should consider implementing incentives and rewards for businesses that comply with waste reduction policies, and develop a reporting system for businesses to track and report their waste reduction efforts, with rewards or penalties based on compliance
- Metro Vancouver should consider creating city awards or recognition programs to showcase and support businesses that prioritize waste reduction and sustainability

"I know from speaking to other businesses and members of the business community that when new policy or waste protocols or fees or whatever you want to call it are put in place, the onus is always put on the businesses to just comply and follow the rules, and this is the way it's done now versus really trying to find a way to incentivize the behaviour and reward businesses that have higher levels of compliance and also the individuals."

"And you do that sort of thing by having that accountability and that transparency and showcasing who's doing it well and who's not. I think if there was, you know, a work with us and let's incentivize companies who do this exceptionally well, it would be so much more effective than I think what happens often, which is either the City or Metro Vancouver imposing things and, you know, without getting as much input from the business community. So, that's kind of my rationale behind the two that I think speak to me the most as being things that could be improved."



ENGAGEMENT ACTIVITY #3 KEY INTERVIEWS

FIVE IN-DEPTH INTERVIEWS WERE CONDUCTED WITH METRO VANCOUVER FOOD INDUSTRY LEADERS TO GATHER INFORMATION ON KEY THEMES RELATED TO THE METRO VANCOUVER SOLID WASTE MANAGEMENT PLAN UPDATE





Key interview with Kunal Dighe, Executive Chef of the JW Marriott Parq Vancouver &
Nicholas Czekurlon, Chief Steward of the JW Marriott Parq Vancouver
Date: 26 October 2023

Meeting Summary:

Kunal and Nick discussed key themes for the solid waste update, including design and innovation of products and spaces, and education and behaviour changes. Both emphasized the need for a collaborative effort to address the challenges of solid waste management and sustainability, with a focus on the circular economy and product design as well as education and behaviour changes. For them, personally, they were least interested in incentives, accountability, and transparency.

Kunal and Nick shared ways to improve food waste management and solid waste management in the region, including implementing a food waste certification for chefs and businesses, recognizing circular food champions, and sharing information and best practices between cities. They also discussed the challenges of engaging with a diverse range of people in the consultation process, including non-businesspeople and Indigenous communities.

Kunal and Nick talked about organizing food waste prevention sessions for chefs to educate them on sustainability practices. They expressed that it is challenging to work with chefs' busy schedules and suggested creating an actual organization for food sustainability education. They also discussed the specifics of a training session, including the possibility of an on-site visit and practical demonstrations of food recovery programs.

Overall, the meeting highlighted the importance of a holistic approach to the problem of food waste and the impact of any changes on multiple categories as well as the need for inclusive and comprehensive engagement and feedback from Metro Vancouver.

Key Action Items for Metro Vancouver:

- Metro Vancouver needs to support with developing food waste training sessions and certification program for those in the food industry
- Metro Vancouver needs to support with developing an information portal for food businesses to share resources, best practices, and get inspired to reduce food waste.

Kunal Dighe: "At some point, you maybe need to force the hand a little bit and then people need to adapt and then you realize it's not so bad and then you just naturally get used to it. For example, like how the City of Vancouver has a food safe certification, so you need to know the food standards. I was thinking there should be a food waste certification that every chef needs to have -- a certification when you're hiring people, you need to know the certification."

"Sharing information: for example, there should be a portal, like what the City of Toronto doing or what the City of Seattle is doing, how we can share this information, so we have more resources. And, you know, just sharing each other's best practices. A place where we can get more inspired and have a target. That's the one thing we are missing."



ENGAGEMENT ACTIVITY #3 KEY INTERVIEWS

FIVE IN-DEPTH INTERVIEWS WERE CONDUCTED WITH METRO VANCOUVER FOOD INDUSTRY LEADERS TO GATHER INFORMATION ON KEY THEMES RELATED TO THE METRO VANCOUVER SOLID WASTE MANAGEMENT PLAN UPDATE



Key interview with TJ Conwi
Founder and Head Chef at Ono Vancouver and ReRoot
Date: 24 November 2023

Meeting Summary:

TJ identified the top two themes that are most important to him: the circular economy and convenience and consistency. He discussed the need for metrics to measure food waste reduction and the short-term and long-term actions needed for environmental stewardship. TJ also discussed the importance of regulation and incentivization for a circular food economy, suggesting that a combination of regulation and incentivization is necessary to promote a circular food economy.

TJ also discussed the key elements for a vision and guiding principles for solid waste management in Metro Vancouver. TJ suggested that innovation and regulation are important for the vision, while emphasizing the importance of community awareness and involvement in connecting food security and food waste together for guiding principles.

TJ also shared about the importance of educating people on food waste management and sustainability, proposing working with BetterTable.ca to create a certification program. TJ also shared about the need for food infrastructure funding to build a commercial kitchen that can be a hub for processing surplus food into meals as well as educating and training people on food waste management and sustainability.

Key Action Items for Metro Vancouver:

- Metro Vancouver should establish a commercial kitchen/food hub to process surplus food into meals and provide job skills training around food waste prevention and cooking with surplus food
- Metro Vancouver should establish grants for businesses engaged in practices that advance sustainable industry practices and the circular economy and reduce food waste
- Metro Vancouver should support with developing a training or certification on food waste prevention and reduction for those in the food industry

"To me that's partly like, you know, looking at France, right? Like having that piece of legislation that is not deniable. This is something you need to do; you have to do this. I think that is the biggest piece that will change so many things. Also, grants, so people like me will be able to do what we're trying to do without having to become a charitable organization."

"I actually think that they need to talk to the schools, the culinary schools. When I started working, the green bin was very much optional. My chef just didn't have any thought about the food waste. It was just like, 'make sure the buffet is full" and all that, right? So, what I'm finding is that when I am going to Vancouver Community College, when I'm teaching, I'm having to explain to them that 'no, you don't have, you know, the food liability issues' -- that is long gone."

"On the day we did the film screening at the Vancouver Community College, one of the instructors there was a former chef of the VCC. Now he's doing more off site teaching. He was actually building curriculum on food waste outside because he said this was something that he wanted. He's been wanting to put it in the curriculum or at least an awareness of it back when he was involved in writing curriculum at the VCC 10 years ago. Before, he said there was never any uptake in it. But, feel like now is a good time."



ENGAGEMENT ACTIVITY #4 SURVEY WITH FOOD BUSINESSES (OCT - NOV 2023)

VFR INCLUDED THE METRO VANCOUVER SOLID WASTE MANAGEMENT PLAN UPDATE SURVEY IN VFR'S ANNUAL FEEDBACK SURVEY FOR FOOD BUSINESS PARTNERS. 16 BUSINESS PARTNERS COMPLETED THE SURVEY.

Survey Results: 16 Respondents

The following themes were felt to be "very important" by the greatest number of respondents:

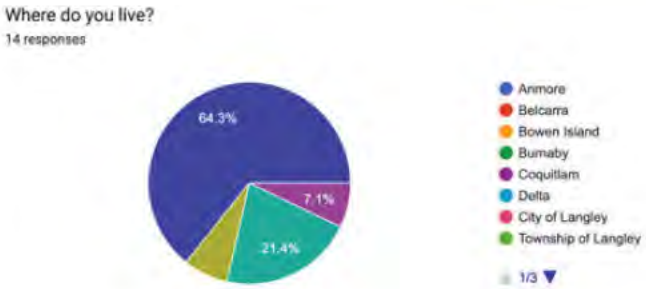
1) Education and behaviour change - changing how we think about waste and what we purchase (13 respondents)
2) Convenience and consistency - waste and recycling services that are easy to understand and easy to use (13 respondents)
3) Climate resilience - investing in systems with low climate impact (12 respondents)
4) Accountability and transparency for producers and consumers to reduce waste (12 respondents)



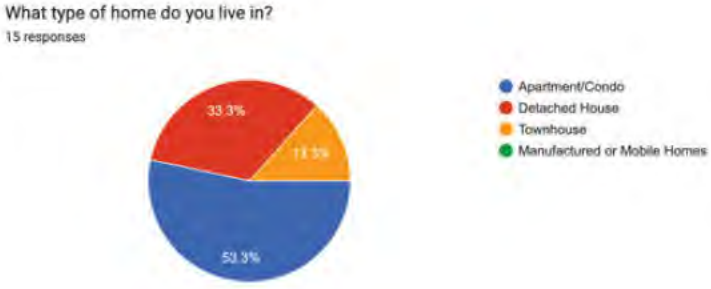
In the "other" category, for themes to be considered, respondents mentioned:

- Financial penalties for businesses that do not comply
- Greater penalties for businesses that do not actively try to reduce their food waste
- Better recycling infrastructure

Demographic Profile of Respondents



Vancouver: 64.3%
City of North Vancouver: 21.4%
District of North Vancouver: 7.1%
New Westminster: 7.1%







ENGAGEMENT ACTIVITY #4 SURVEY WITH FOOD BUSINESSES (OCT - NOV 2023)

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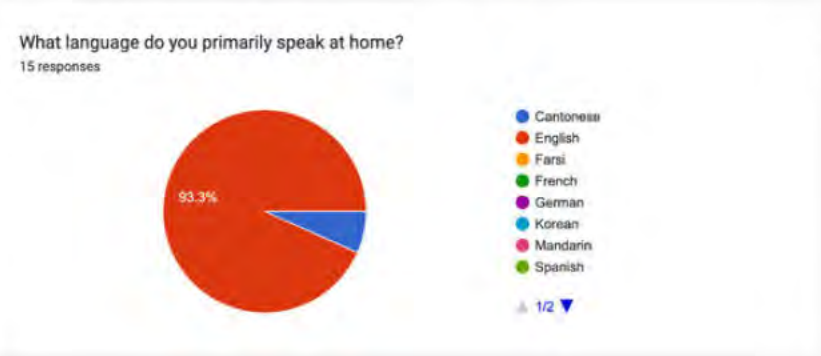
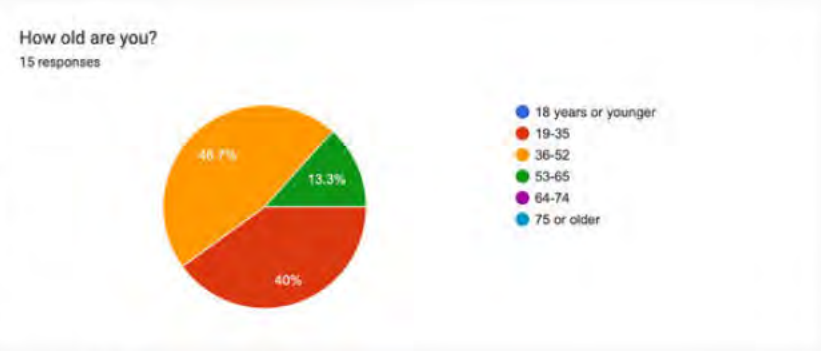
Demographic Profile of Respondents Con't



English: 93.3%
Cantonese: 6.7%



Summary of Activities

- Overall, VFR's engagement activities were quite accessible, as all of them were conducted online.
- VFR conducted 4 engagement activities with food industry professionals and volunteers involved in VFR's program to gather feedback on the Metro Vancouver solid waste management plan update. Five in-depth interviews were undertaken and, in total, 63 individuals completed the survey. Overall, respondents indicated that all of the themes were important, but "accountability and transparency" emerged as a priority theme in 3 of the engagement activities.
- In the in-depth interviews with food industry leaders, regulation (e.g. laws and penalties), incentives (e.g. awards and tax credits), training and education (e.g. program/certification as well as an information portal), funding (e.g., sustainability grants), and infrastructure (e.g. food hub to process surplus into meals) were brought up as ways to prevent and decrease food waste in Metro Vancouver. The food industry leaders were very interested in tangible actions that Metro Vancouver could be working on to prevent/reduce food waste in the region.
- Overall, the food industry leaders were happy that they were being asked about the Metro Van update, but some expressed skepticism around whether their feedback would be integrated in a significant way (some wondered if it was a "tick the box" exercise).
- The food industry leaders felt that any changes to policies or regulations should include the food industry in the process as well, so that their feedback is valued and considered; and that the food industry needs to be given time to adapt to any changes and that they need support/aid in any transition (e.g. funding and adequate infrastructure support).
- Overall, the challenges in this project were minimal, but conducting the survey with the food businesses was the most challenging (engagement activity #4), as those in the food industry are incredibly busy and not in front of their computers. Repeated attempts were made to engage our food business partners to complete the survey, but this strategy had limited success.

Partner: Women Transforming Cities

Target demographic: Women and Gender Non Conforming people, people under 35

Number of participants: 28

Activities:

- Re-creation of the solid waste survey in the WTC platform
- Hosting a member drop-in event (virtual) to learn about the survey, ask questions, and complete it together
- Communications materials to promote the survey in WTC Member Communications, WTC Slack Channels and the organization's newsletter
- Follow up and promotion of the survey to key members

Duration of activities: November - early December 2023

Feedback: We duplicated the Metro Vancouver survey exactly, to make the data collection the most useful to be helpful. As a result, one of the questions we were asked multiple times was why people's gender identity was not asked as part of this survey. This is something you might want to consider in future surveys.

Survey results are attached as a PDF.

WTC Engagement Survey Results



Besides the 10 themes above, are there any others that should be considered?

- Less packaging , more regulations so less waste to deal with.
- We need to consider how our waste management impacts our non human relatives - the animals we live with in and around the city (rats, bears, fish, birds, etc)
- More incentives for businesses to reduce waste.
- ensuring that folks with disabilities / differing abilities needs are part of the decision-making process when new policies are being considered
- Interconnection with other industries' climate plans (like measures to recycle materials from "tear-down" homes). Also think about partnerships with organizations that do repair and reuse materials.
- Not that I can think of
- I believe that Metro Van should be working with the producers of waste to penalize large amounts of waste. I also think that commercial waste needs to be looked at - we do a lot of work at home to separate our waste, and our building looks on a small grocery store and we see everything being tossed into the waste bins - including food waste and cardboard. it is frustrating.

Please share any other specific comments or ideas about what you think successful solid waste management should look like in the future.

- Building community connections (I'm thinking about we deepen the share economy and create more opportunities like a Thingery (a shared repository of items borrowed) that support mutifamily living) Finding ways to balance delivered items (highly accessible) with reducing the waste connected to it (packaging, emissions) A Use What You Have campaign with videos on how to repurpose things, especially textiles if you're not into sewing.
- More recycling options in large apartment buildings outside just paper, cans, glass and organics. E.g. Styrofoam is not allowed to go into the garbage, however, many packages still have styrofoam, requiring the recipient to seek out Recycling Depots (there is only on on Powell that will take it). that seems counterproductive considering the amount of styrofoam

being received daily in delivered packages. Since the material is not banned, there need to be easier recycling options to ensure it doesn't end up in the garbage.

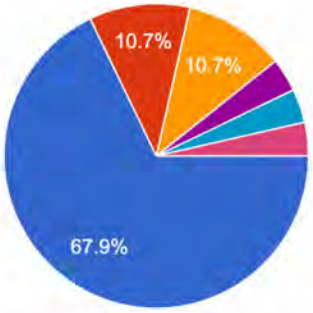
- There needs to be much greater focus on reusing and on reducing packaging etc.
- Moving away from emphasis on individual actions towards a collective responsibility that puts the onus more on business and governments as opposed to tying it to personal altruism
- Less focus on individual accountability and more pressure on corporations and businesses to reduce waste.
- less waste produced equals less waste to manage
- I think waste management should be minimal, as it's absolutely critical that our efforts shift toward the circular economy. Focus accessible and affordable waste disposal on lower income communities, while considering how higher-income communities can be incentivized to reduce waste since they can afford higher cost green measures and have the privilege of time to pursue recycling, repair and waste-reducing initiatives if forced to.
- I think clear information about recycling is really important
- I live in a walk up unit apartment building in North Vancouver, and there are lots of people living here who do not speak English. There is no waste information in different languages available. The District knows that the area I live in people primarily speak Farsi, so there should be waste information available in Farsi. The impact is that in our green compost bin, people put plastic bags, recycling and all sorts of waste which renders the compost unusable. This was every single week the same thing happened, and no one ever intervened.

Where do you live

Vancouver - 22 - 78.6%
Burnaby - 2 - 7.1%
City of North Vancouver - 2 - 7.1%
New Westminster - 1 - 3%
District of North Vancouver - 1 - 3%

What type of house do you live in?

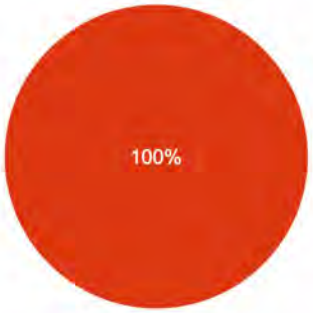
28 responses



- Apartment/condo
- Detached house
- Townhouse
- Manufactured or mobile home
- An apartment within a house that shares garbage/compost/recycling bins
- Laneway home
- Duplex rental

What language do you primarily speak at home

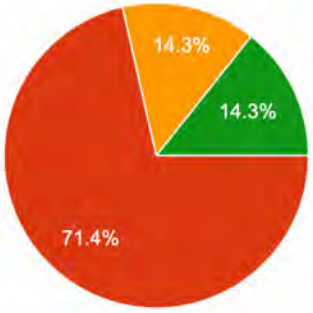
28 responses



- Cantonese
- English
- Farsi
- French
- German
- Korean
- Mandarin
- Spanish
- Tagalog

How old are you?

28 responses



- 18 years or younger
- 19-35
- 36-52
- 53-65
- 64-74
- 75 years or older

Metro Vancouver Solid Waste Management Plan Update – Vision and Guiding Principles Workshop Report

YWCA City Shift Community Advisory Council

October 18, 2023

Prepared by Shauna Shortt, YWCA City Shift Project Lead

Workshop Report - Metro Vancouver Solid Waste Management Plan Update – Vision and Guiding Principles

Introduction

On October 18, 2023, nine YWCA City Shift Community Advisory Council members participated in a virtual workshop that focused on providing input on the Vision and Guiding Principles of Metro Vancouver's Solid Waste Management Plan update.

YWCA City Shift is a project that calls on local decision-makers to transform our region into a place that has equitable opportunities for everyone to live safely and thrive. To do this, we need to hear from a range of diverse voices at the municipal level and embrace innovative solutions to the pressing challenges before us. YWCA City Shift aims to advance systemic change by working collaboratively with municipalities to promote the widespread use of GBA Plus and foster more inclusive and equitable city planning, policies, strategies and services.

Persistent systemic inequalities and lack of representation make tools like GBA Plus essential to ensuring equity for residents across Metro Vancouver, especially when decision-makers do not reflect the communities they serve. For example, while women make up more than half the population, they remain underrepresented in local government, accounting for less than one quarter of Metro Vancouver mayors and well under half of councillors. In eight of Metro Vancouver's 21 municipalities, including larger cities like Surrey, Richmond, Burnaby, Delta and Coquitlam, women make up less than one third of councillors.

From very early in the project, the City Shift team has sought the guidance of people with lived experience through two advisory councils. A Strategic Advisory Council and a Community Advisory Council, consisting of women and gender-diverse people with intersectional identities living in the Metro Vancouver region. Learn more about YWCA City Shift here: [redacted]

Workshop Facilitator and Process

YWCA staff members Shauna Shortt, City Shift Project Lead and Heiky Kwan, Senior Marketing and Communications Strategist, attended the workshop as staff support. Shauna Shortt was workshop facilitator and Heiky Kwan was active listener[1] and note taker.

After the territorial acknowledgement and group welcome, Shauna Shortt provided an overview of the workshop guidelines, agenda and Solid Waste Management Plan update process.

Participants were encouraged to ask questions throughout the workshop and were asked to complete a survey on the workshop at the end. See **Appendix 1** for the list of questions raised and **Appendix 2** for participant survey responses.

[1] All YWCA Community Advisory Council meetings have a YWCA staff member active listener.

Participant Responses

1: Identifying participants top two themes

The group was given time to reflect on the 10 themes provided and then asked to rank their top two themes using the following polls[2]:





[2] Note, the screen shots do not capture the first category “Accountability and Transparency”

After sharing the poll results, Shauna Shortt began the roundtable discussion by asking each participant to share their top two themes, as well as provide a reason for their selections.

Participant #1

- **Accountability and transparency**: For example, organic labels – there's no clarity about the source and it's not clear or transparent.
- **Incentives for recycling and waste reduction:** We need to motivate businesses and individuals to recycle.

Participant #2

- **Circular economy:** Feel we are a consumer society that's beyond disgusting and it's a very throwaway culture and we produce more garbage per capita than others. We need to be consuming less, reusing and cutting down production and changing notions of production.
- **Product design and innovation:** We need to design products to be more circular and regenerative. There needs to be a lot less packaging waste.

Participant #3

- **Environmental stewardship:** It's important both here and overseas. We keep natural spaces here pristine, but we contribute to polluting other places.
- **Convenience and consistency:** Having a child change my habits, it's important for families who may be producing a lot of waste to have some level of consistency for recycling that is available. If we work on making the process more convenient, it will make the behaviour shifts a lot more feasible.

Participant #4

- **Environment stewardship:** Protection of natural spaces. We need to protect our natural spaces using the law. Canada was sending waste to other countries for disposal. What is the impact there? We need striker laws.
- **Incentives for recycling and waste reduction**: Incentives for businesses and individuals. Can give us better data for government on what kind of waste people are producing. Incentives work – they go beyond education that does not always lead to behaviour change.

Participant #5

- **Equity and societal improvements:** Equity in recycling. The binner's conversation and how they can support the community and benefit. Changing the conversation and shifting stigma and shift conversations about recycling and waste in general.
- **Circular economy:** People aren't aware of ways to do this: i.e. trading and awareness for people to know how they can contribute to the circular economy and Metro Vancouver could be a platform for people to do that.

Participant #6

- **Convenience and consistency:** People who move around a lot have different arrangements apartment single family home are all different, so it's hard for transient communities to recycle. Make it easy for folks.
- **Equity and societal improvements**: As it relates to communities and language accessibility for communities to learn how to recycle in different ways

Participant #7

- **Climate resilience:** Tired of policies that that revolve around individuals. Want it to be more systemic. Can have a better system for waste.
- **Accountability and transparency:** Especially for producers and businesses is important. i.e. lots of things wrapped in plastic when they're already in a package, etc. There should be more expectations for bigger producers of waste to reduce their waste and less on the consumer.

Participant #8

- It was a struggle to pick only two because they're all linked.
- **Affordable and accessible:** Making choices easy and reducing barriers – but this is actually linked closely to consistency, especially in different jurisdictions, making it easy for folks who are moving.
- **Circular economy:** Moving away from linear economies and moving to thrifting is very important and pays tribute to cultures that are already doing so. But this is linked to product design too, as products will be made for multiple uses. These are systemic solutions that need to be thought of.
- **Equity and societal improvements:** Remove systemic barriers and the barriers around waste and recycling to discriminate against people. Through waste, zoning was changed and people may no longer have access, etc.

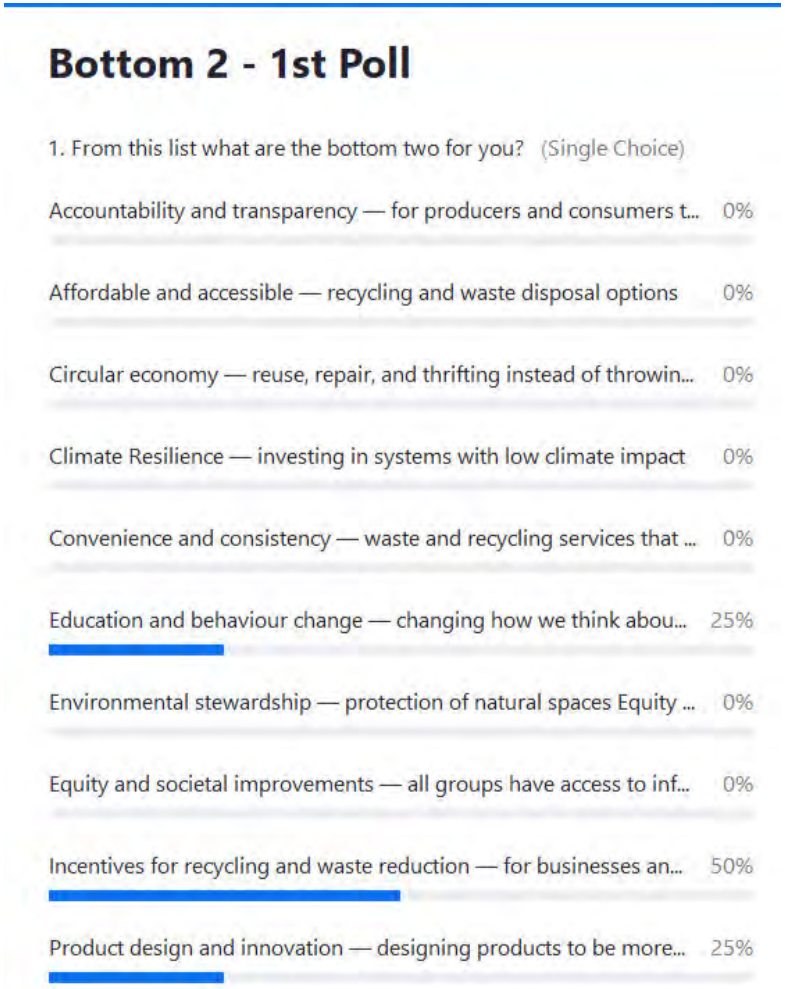
Participant #9

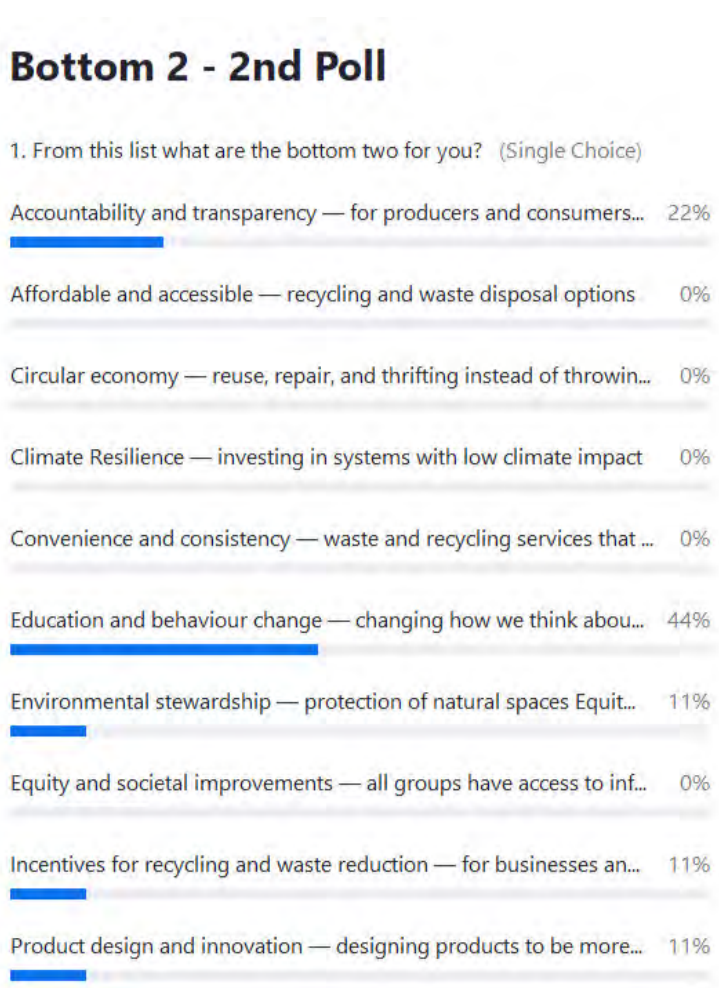
- **Education and behaviour change:** Important to have education, people still don't' know how to recycle products.
- **Accountability and transparency:** Companies should be accountable for natural resources and should be accountable.

*Note, this participant jointed the workshop late and did not participate in the polls.

2: Identifying participants bottom two themes

Once again, the group was given time to reflect on the 10 themes provided and then asked to rank their bottom two themes using the following polls:





After sharing the poll results, Shauna Shortt began the roundtable discussion by asking each participant to share their bottom two themes, as well as provide a reason for their selections. Note, only eight participants provided a response to this question.

Participant #1

- **Incentives for recycling and waste reduction:** For businesses and individuals this is not stopping certain types of consumption. It's not working in many places and there is a risk that incentives make things optional. We need more systemic changes.
- **Education and behavioural change:** This isn't something Metro Vancouver should be doing, they can ally themselves with communities who do this work well.

Participant #2

- **Education and behavioural change.** Metro Vancouver should not be doing this, but there are much larger problems at hand that Metro Vancouver should be looking at. Metro Vancouver plays a key role in operations.
- **Incentives for recycling and waste reduction:** It will be a nice thing to do instead. Ingrained as a part of the culture instead. Worry that incentives make things nice to do and not systemic. Carrot and stick model. How do we change culture and not just short-term incentives? How do we create systemic solutions?

Participant #3

- **Incentives for recycling and waste reduction:** It's not changing things in a significant way currently. We need better options and less opportunities to create waste.
- **Education and behavioural change:** Not Metro Vancouver's role to do education. And education puts too much focus on consumers. Metro Vancouver needs to make the system better.

Participant #4

- **Incentives for recycling and waste reduction:** Similar thought stream as the folks before. Operate with strategies and policies in place, if we change the structure it will influence people's behaviour and normalize it, it changes actions on a larger scale instead of it being a choice. Think about mushrooms – remove plastic packaging option. Think about how we operate within systems. Our decisions are based on policies that are already in place. Need to shift structures to change behaviour. We need to have better recycling options.
- **Accountability and transparency:** It goes hand in hand. Primary avenue that organizations and individuals that can participate in. Normalizes it as how Metro Vancouver operates.

Participant #5

- **Product design and innovation**: Designing products to be more circular and regenerative is important, but research can be very costly and some companies won't do it. There are also regulatory challenges to consider.

- **Education and behavioural change:** Again, should not be Metro Vancouver. There are other organizations that can focus on this.

Participant #6

- **Education and behavioural change:** Awareness is needed, even though it's a part of the bottom two.
- **Product design and innovation**: We use things too much and we don't repair. We need a culture of repair, not just creating more.

Participant #7

- **Incentives for recycling and waste reduction:** This is the lowest bar of what people to need. There are other institutional problems that exist and should be addressed first.
- **Product design and innovation**: Should not be handled by Metro Vancouver who will be unable to regulate. There are major gaps.

Participant #8

- **Education and behavioural change:** Feels like it happens across generations. People return to a sense of what's comfortable.
- **Accountability and transparency:** It felt like one of the lower priority pieces because they're looking the action-oriented items. Don't' know how effective they will be in this realm.

Conclusion

The workshop took about 1.5 hours to complete. Workshop participants indicated that they were interested in learning more about how Metro Vancouver plans to update the Solid Waste Management Plan. A number of follow up questions were recorded and shared with Metro Vancouver after the workshop, with all answers by Metro Vancouver provided to the participants. Many of the questions raised were related to Metro Vancouver's engagement processes.

Engagement Summary

Zero Waste BC conducted a workshop, a survey and a focus group in October 2023 to learn more about participants' perspectives developing Metro Vancouver's Vision and Guiding Principles for solid waste planning. The process and results are shown below.

1. Workshop

An online workshop was held on October 5 from 11:30am-1:00pm. Invitations were sent to Zero Waste BC members and board members via email, as well as included in the email newsletter. An invitation was also sent to previous workshop participants. The workshop was promoted on Zero Waste BC's website and social media via LinkedIn and Facebook, as well as through social media channels of SPEC, Climate Caucus, WECAN, and CityHive.

A total of 19 participants attended the workshop. There was a mix of representation, mostly from NGOs, which were over half of the participants (Figure 1).



Figure 1. Workshop Participants

The format of the workshop generally followed the facilitation plan provided by Metro Vancouver including a review of themes identified by Metro Vancouver. Content was expanded to discuss the topic of zero waste more broadly, review the zero waste hierarchy and BC Ministry of Environment and Climate Change Strategy guiding principles, and consider links between waste and climate and environmental footprints.

The workshop opened with the question “What is zero waste?” Key themes of the participants’ responses were:

- A sense of responsibility for material that is generated and handled
- Thinking differently about what resources and materials are so they are valued
- Using a systems approach to avoid making waste and generally following the zero waste hierarchy to prioritize reuse before diversion

During the roundtable, questions were raised by participants related to engagement of stakeholders in the solid waste industry, embedding circularity into procurement for governments, best practices research on recyclable and compostable containers, and ensuring wood waste is not downcycled/combusted (and counted as recycling).

For discussions about the vision and guiding principles, participants were divided into 2 breakout groups. The notes and Miro boards were combined for the report, which are in Appendix A and include additional detail from the discussions.

The first discussion was an open question about participants’ visions for zero waste in Metro Vancouver. Key themes were:

- Responsibility of producers for their waste
- Culture change and embracing cross-cultural collaboration
- Equity and accessibility
- Having infrastructure and systems in place for local solutions
- Alignment with the Zero Waste Hierarchy as defined by the Zero Waste International Alliance (not just zero waste to landfill)
- Systems view and changing the paradigm of waste - prioritizing the higher levels of the zero waste hierarchy and making it easier to reduce, reuse, and repair
- Promotion and education to reinforce behaviour changes
- Data transparency, access, and full-cost/life-cycle accounting for all waste produced
- Partnerships to reduce waste

After participants reviewed the themes from Metro Vancouver and additional content, they identified missing items. The themes for missing items were:

- Metrics to track progress
- Ensuring all waste from the region is captured and not impacting the environment
- Maintaining public trust (related to recycling and end of life management) through clear definition of terms, data transparency and listening to communities, especially those who are low income and minorities
- Social and environmental benefits and incentives for local economies and communities to implement zero waste with a focus on the higher levels of the hierarchy
- Government support for reinforcing sustainability principles and pushing back against endless growth and expansion

Participants voted for their top and bottom three priorities. The themes/guiding principles that had the most votes for the top priorities were:

- Education and behaviour change - Changing how we think about waste and what we purchase
- Accountability and transparency for producers and consumers to reduce waste
- Affordability and accessibility of recycling and waste disposal options
- Reuse, repair, and thrifting instead of throwing things away
- Incentives for recycling and waste reduction - for businesses and individuals
- Product design and innovation - Designing products to be more circular and regenerative

Participants struggled to identify bottom priorities because they believed many of them are important. However, they did find that some themes/guiding principles were not worded clearly or should be better defined. The general comment was that these themes seem to guide conversations towards maintaining the status quo and are very vague.

In identifying the most important thing for a solid waste management plan, the following were key themes of the discussion:

- Systemic approaches focusing on upstream solutions to change product design and make it easier for consumers to reduce waste
- Promotion and education to ensure people understand circularity and zero waste
- Removing waste incineration as an option so that there is more support for reducing waste and finding alternatives rather than justifying waste generation
- Equity, justice, and accessibility so small players and equity-deserving groups can meaningfully participate in the circular economy
- Protecting the environment from toxic substances and materials
- Transparency of information from Metro Vancouver

Workshop Evaluation

All participants were invited to complete a short workshop evaluation. A link was provided at the end of the workshop and sent in a follow-up email. Seven participants completed the evaluation. The evaluation form from Metro Vancouver was used.

Responses to the Likert scale questions are summarized in Figure 2. Participants generally strongly agreed or agreed with all the statements.

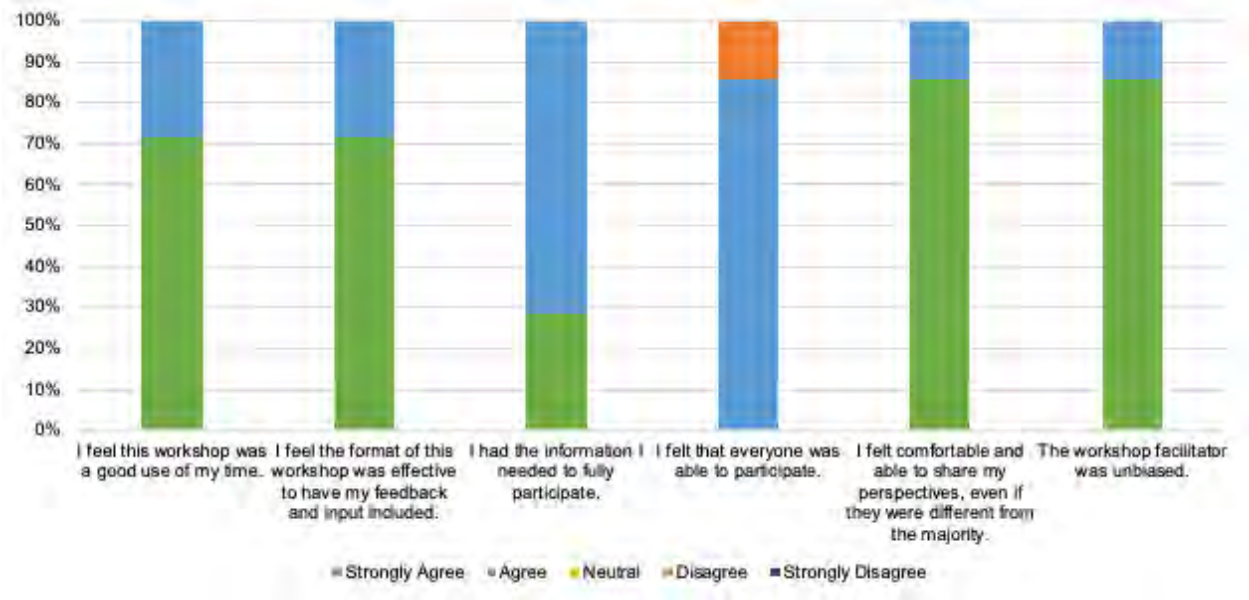


Figure 2. Workshop Evaluation Responses

In the open responses about one thing that went well in the workshop, participants liked how ideas were shared and the use of the online information sharing platform, Miro. They also appreciated the workshop flow and facilitation adaptation when the original plan was not working as well.

In the open responses about one thing that could be improved, the Miro board was noted as being challenging for some people to use. The presentation was seen as redundant for people with subject matter expertise. Participants also noted that some people spoke up or were more involved than others, and to increase the cultural inclusion and diversity of the process. There were suggestions for warm-up or icebreaker exercises for participants to get to know each other better.

2. Survey

This survey was based on the Metro Vancouver survey, with additional questions related to zero waste. The survey was emailed to Zero Waste BC members and board members, as well as included in the newsletter. Reminders were also posted to Facebook on October 4 and 13. The survey was open from September 22 to October 15.

There were 6 responses to the survey. As there are few respondents, only general comments about participant demographics are included. Respondents to the survey all resided in Metro Vancouver and were mostly from Vancouver (67%). Half (50%) of the respondents reside in apartments/condos. All respondents are English speakers. The largest age demographic group was 19 to 35 (33%). Most participants identified as environmental advocates (67%). Further details are included in Appendix B.

In the first open question “What does zero waste mean to you?”, the responses generally referred to preventing waste, being responsible with material use, and keeping materials out of incinerators and landfills.

In the second open question “Why is zero waste important to you?”, there were mixed responses. Some themes were environmental sustainability and protection and the effects of waste on vulnerable communities.

In ranking the themes from Metro Vancouver, no respondents ranked any of the values and priorities as less or not important. Climate resilience and environmental stewardship were the most important priorities, selected by all respondents as very important (Figure 3).

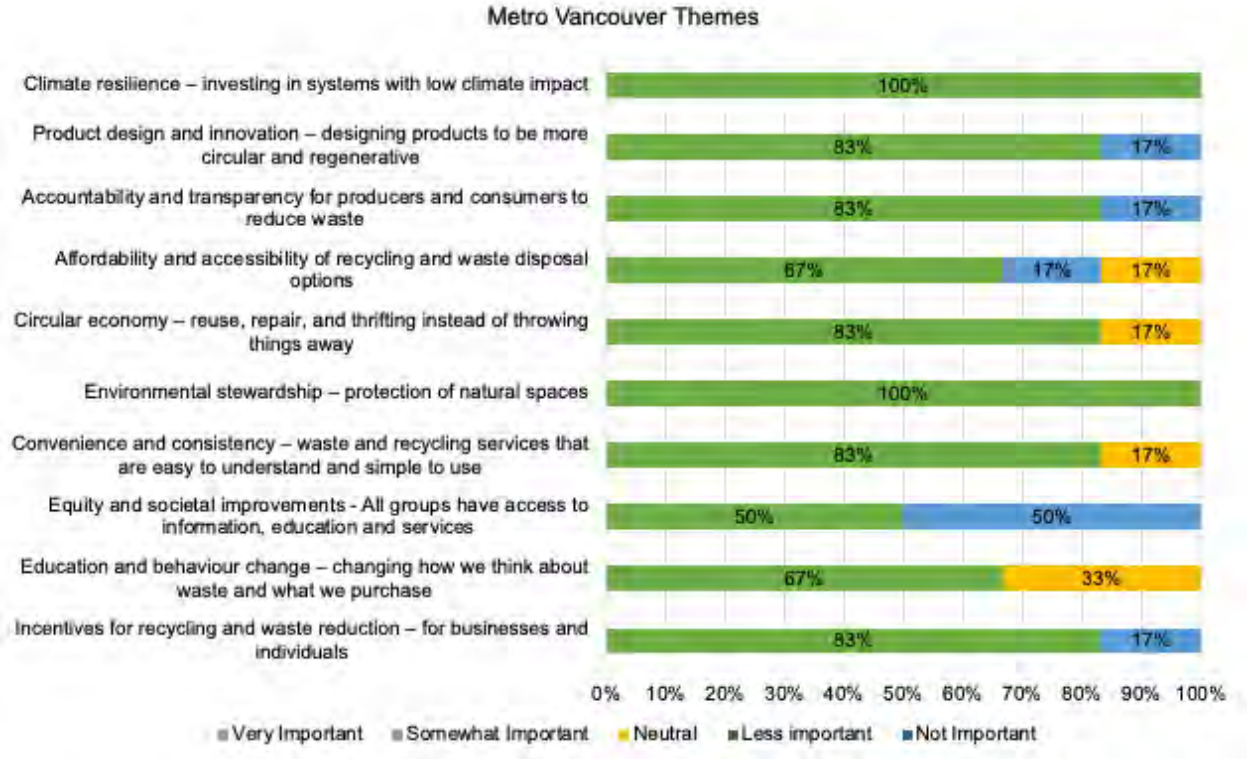


Figure 3. Ranking of Metro Vancouver Themes

Respondents also identified the following themes that were not included in the above question:

- Salvaging wood waste and biomass
- Costs and long-term impacts
- Space for private innovation
- Community development
- Renewable energy generation from waste
- More bylaws at the municipal and regional level

Respondents ranked the zero waste hierarchy levels from most (Rank 1) to least (Rank 7) important (Figure 4). Rethink/Redesign was highly ranked as the first (67%) and second (17%) priority. Reduce, reuse, recycle/compost were a mix, but generally ranked in the top half.

Material recovery and residuals management were in the bottom half. Many ranked unacceptable (67%) as the lowest priority.

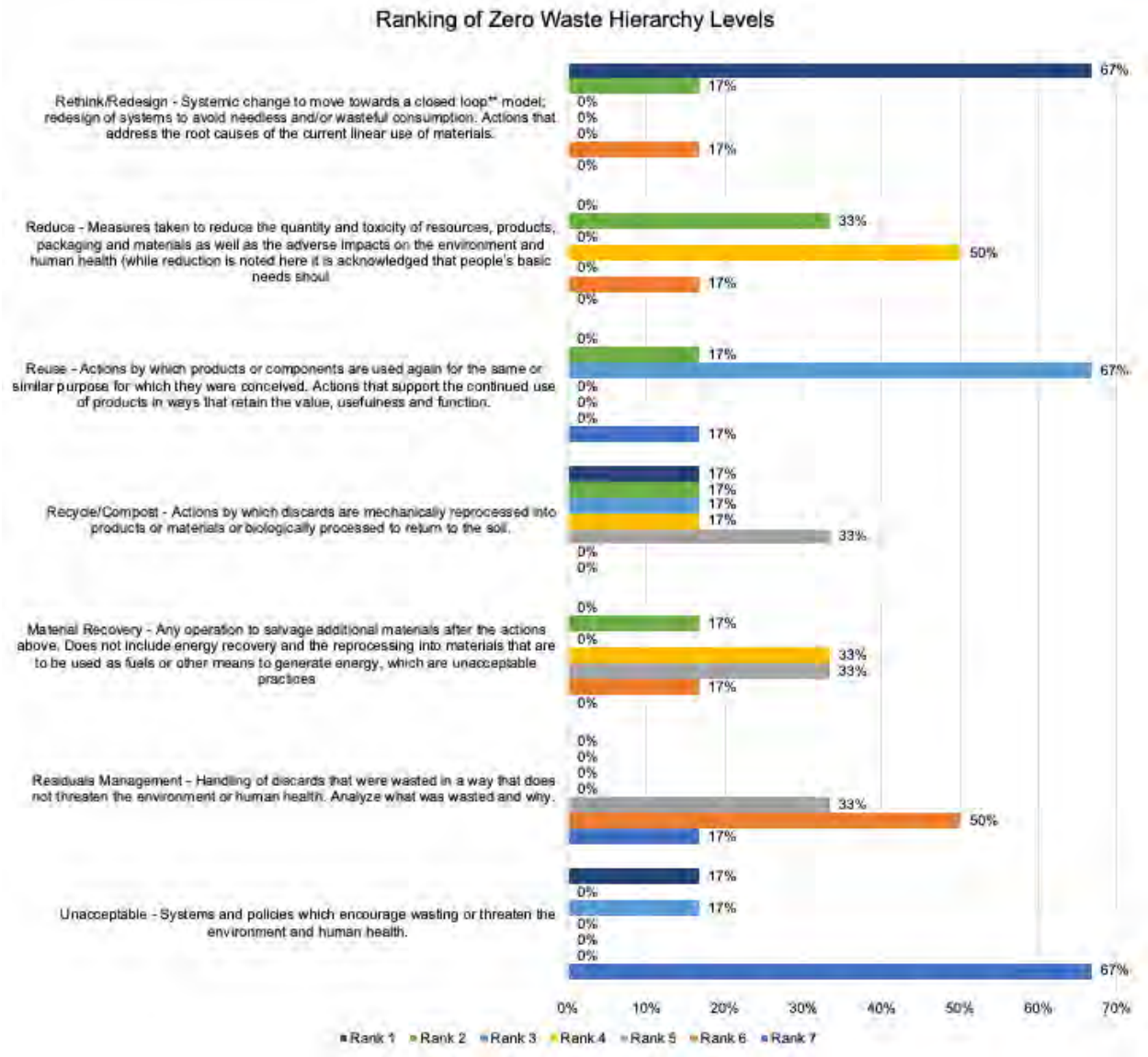


Figure 4. Ranking of Zero Waste Hierarchy Levels

3. Focus Group

A focus group was held on October 12th. Participants were invited to the focus group directly and seven of the eight who wished to attend did so. The backgrounder and supporting information were sent to participants ahead of the meeting. There was a mix of representation by sector, as shown in Figure 4.

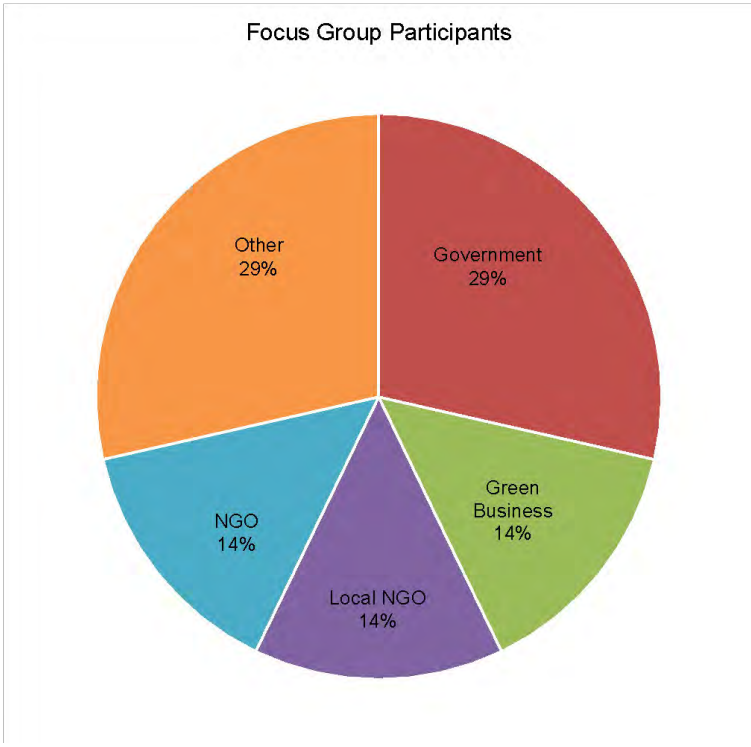


Figure 4. Focus Group Participants

After introductions, the focus group started with a brief presentation and opportunity to ask questions. Participants were asked to write down and then share their vision. Discussion ensued on the vision. The next step asked participants to select a guiding principle from the suite of options available across Metro Vancouver themes and guiding principles from the BC SWMP Guide, the Zero Waste Hierarchy and Metro Vancouver's 2011 SWMP. They could also add new items or combine existing principles and themes. They were invited to discuss why they had selected given options.

Themes that emerged included:

- A focus on the first three Rs of the Zero Waste Hierarchy (rethink, reduce, reuse)
- The need for partnerships and collaboration based on trust, transparency and accountability
- Less emphasis on incineration and energy recovery
- Strive to make zero waste initiatives affordable, accessible and consistent
- Emphasize links to environmental stewardship, lowering carbon and environmental impact footprints and shifting to a circular economy (product design, extend product life, value management)
- Use a carrot and stick approach for behaviour change with enforcement

Detailed notes are included in Appendix B. Feedback on the process was requested by follow up email but no responses were received. Participants expressed appreciation for the invitation, event format and informative sharing session.

Appendix A Workshop Results

Workshop Notes

Virtual or In-Person: Virtual

Workshop Date: October 5, 2023

# of Participants Registered: 30

# of Actual Participants: 19

# of event promotions: Direct emails to over 123 groups (including NGOs, academics, ZWBC Board and past event participants), included in newsletter, listserve, advertised on the website as well as Facebook and Linked in. Reminders sent.

Session	Participant Notes
Summary of participants demographics from intros + organizations represented	• NGO - 9 • Local NGO - 2 • Green Business - 3 • Government - 2 • Crown Corporation - 1 • Other - 2
What is zero waste?	• Being responsible for the material that passes through your custody • Refuse, reuse, recycle everything possible • Rethink, value resources, avoid creating waste • Full of opportunities for thinking outside the box in innovation in materials and approaches, materials reuse and repurposing, and diverting as much as possible out of the landfill waste stream. • Systems where waste is designed out, materials are chosen carefully and are easily recycled back into the same products at the end of their usefulness, single use is minimized to essential needs, toxic substances and problematic materials have been removed and very little recycling or waste to landfill or any other type of end of life management occurs.
Roundtable	• How are we bringing in or connecting people working on the industry side of things and not just players not on the table. How can industries start looking at circularity instead of just economics in dealing with procurement? • Who is doing the research on truly recyclable and compostable containers? How can I access "best practices" information? Concern about greenwashing that is occurring. • How do we also ensure we don't immediately downcycle things like wood waste into wood chips/compost? We are missing an incredible an

	environmental value + economic value of multiple life cycle stages before composting.
Vision	See Miro ● Stronger emphasis on waste producer responsibility - industry, manufacturing, etc. ● We need to get the industry to participate. ● Waste reduction strategies that acknowledge needed culture change. ● Recognize that non-Western cultures actually have a lot of “sustainable” actions embedded because it’s just a way of life. Learn from Indigenous peoples and newcomers. Collaboration goes both ways. Embrace cross-cultural collaboration. ● Look at consumption and the broader concept of consumer behavior ● A plan that prioritizes equity and accessibility. ● The plan applies equally to all the regions of Metro Vancouver. ● More uniformity across the region for waste management and diversion. ● A comprehensive plan that makes finding used materials easy, places to repair in neighbourhoods, and has more zero waste facilities available to the public. Provide clear guidelines on alternatives to the use of plastic. ● Keeping solutions local. Designate municipal land within the city limits and provide below-market rent for diversion, reuse, upcycling and recycling infrastructure and industry. Ensure there is industrial land available for processing and that people living close to the facilities will not be negatively affected. ● Process plastics locally. Do tours of facilities so people understand how recycling works. ● Build off existing local knowledge. Need to integrate local innovators. ● Align with land use and industrial zoning. Align Metro Vancouver plans. ● Zero waste should mean that there is zero waste going to the landfill or incinerator (not just zero waste to landfill) - align with international, peer-reviewed Zero Waste Hierarchy rather than going in the opposite direction (incineration is in the Unacceptable tier) ● Thinking about systems as a whole and people's lifestyle choices. ● Prioritize refusing, repurposing, reusing, reducing and developing cradle to cradle systems change. ● Rethinking systems at all levels of government and industry to embed zero waste principles. ● Value resources. ● Lots of promotion and engagement: pop-ups, opportunities for the community to learn about what zero waste means, getting community buy-in ● Education to get people to understand environmental costs of single use ● Education to move away from reliance on “recycling” ● Make reuse most cost effective ● Regional access to reuse systems - backhaul and sanitization

	● Make finding used materials easy, repair in neighbourhoods, zero waste facilities for public ● Increase compostables and supporting infrastructure ● Waste/resource information and access ● Transparency for recycling ● Increase partnerships between organizations to reduce waste ● Encourage businesses (green/non-green) to be sustainable ● Full accounting for all waste that may be produced, including microplastics ● Consider full life cycle analysis for product when making decisions on materials
Missing items	See Miro ● Need better metrics on how we are tracking progress. Measurement and monitoring needs to inform policy for waste reduction and progress. ● Solid waste infrastructure needs to ultimately capture all the waste in the region and prevent it from going into the environment. ● Value not just consumer goods, but also organics and biomass. ● Be transparent about what the terms mean. Define what is included in recycling and composting. Does recycling include chemical recycling? If we are talking about continuing recycling, are we eliminating things that could be reused? ● Local economies are struggling- they need govt. support to sustain costs- we need to sustain local companies and make them feasible- local economies as a concept is too overarching- for example- how to make a local cafe that focuses on reusing and repairs- sustainable entrepreneurships- we need to make sure they sustain- **restorative cities and economies-** instead of micro-cleaning- low-barrier jobs in circular economies. Social and environmental benefits are included- it also includes financial benefits for small businesses trying to start and maintain work. ● Governments need to publicize and promote environmental initiatives more. ● How to regulate industries or residential sectors in a community when it relates to industry talks only about growth and expansion and these values don't fit with the idea of sustainability? Governments support capitalism which is fundamentally against the ideals of sustainability- "endless growth"- should be criticized. ● We all want to push to reuse- how to overcome barriers to reusing material in the construction industry. Also, actively listening to community members and making them feel heard is extremely important- transparency in building trust is important ● Addressing cost barriers to communities. Materials are sometimes dumped because transportation and other fees of taking them to other places are too expensive- regulations must be shaped to change this. Opportunity for **future advocacy** with NZWC giving MV a voice at the federal level- involvement in the national discourse and ability to voice local concerns. ● Businesses might need incentives for engaging in sustainability ● Cost of land challenge- struggle to keep upcycling spaces open and offer their services because of expensive rent etc.- also expensive to transport

	materials to various spaces. It takes a lot to change behaviour and systems. ● We are talking a lot about community. Engagement- we need to build trust- environmental justice lens- low income and minority communities- need to respect and understand the systems already run by these local communities and minority groups- need to respect and understand them instead of pushing top-down policies on these areas. Build on what exists
Top priorities (3)	See Miro Education and behavioural change: A lot of work is about behavioural studies. A lot of people in BC do a lot of these sustainable actions, but the motivation is not sustainability. It's just their way of life. Actions are good for the planet, but may not be intentional. Saving, repairing, making use of what they buy, getting money's worth - these are values that we need to consider to engage more people who might not care as much about the environment. Behavior change can greatly influence people and direct them in the way that brings a sustainable future. Accountability: Having more accountability (Producers and consumers)-tackling the problems from both sides- can also propel further initiatives Incentives: What incentives can be given to industries to form better designs. Bylaws/provincial bylaws might be beneficial for assisting with these circular economy strategies Product Design: Example - neighbourhood bike showcase- information awareness to the public can help the public know which product is more sustainable or better for the public.
Bottom priorities (3)	See Miro Facilitator's note: Participants struggled to identify bottom priorities because they believed many of these are important. They did find some of the priorities are not worded clearly, or need to be better defined. These are indicated with YELLOW stars. General comment: There are implicit assumptions behind these themes from Metro Vancouver that guide conversations in a certain way towards maintaining status quo. What can we do about that? Opportunity costs: Need to be aware of sunk cost effect with government policies. Can't let those define future actions that may be more costly. Highest and best use: Makes a lot of circular things less feasible- looking at it from land use and not material use perspective.
The most important	See Miro

thing for me….	Systemic approaches focusing on upstream: Massive part of waste is plastic. We have spent decades educating consumers to be better consumers. Producers are making hundreds of different types of plastics. A lot of recycling goes to the transfer station and then goes to garbage because those hundreds of types of plastics are not all recyclable. We are focusing on individual people and putting investment in them to sort materials properly. Better at focusing upstream at the producers and changing what comes down at the people. Promotion and Education: Encompass community and make sure people understand what circularity and the 3Rs are. Change happens with knowledge General question: Why don't we synthesize these several vision pointers and instead build 3 or 4 broad ideas or visions? No Incineration: Waste incineration shouldn't be an option because it justifies waste. Removing it as an option will push for reducing waste and thinking of alternatives. Coordination between divisions: Are there other plans? Liquid waste? What happens to biosolids?
Summary of participants interests	● Emphasis on upstream values and prioritizing the top tiers of the zero waste hierarchy - systems change starting from producers, not the consumers ● Trust and transparency - clearly define what different terms mean to Metro Vancouver rather than hiding assumptions, make it publicly available what is happening with waste materials, where they are going, and the environmental and societal impacts ● Having the local infrastructure and systems to ensure items and materials stay local through supporting local innovators and local businesses ● Education and behaviour change needs to consider non-Western paradigms and learn from the diverse cultures in Metro Vancouver

Consolidated Miro Boards are shown below

Appendix B Survey Demographic Details

67% Vancouver
17% District of North Vancouver
17% West Vancouver

50% apartment/condo
33% detached
17% no answer

All English speakers.

33% 19-35
17% 36-52
17% 53-65
17% 75+
17% no answer

Representation (people could check multiple options):
67% environmental advocate
33% environmental organization
17% green business
17% concerned citizen
17% educator
17% industry worker

Appendix C Focus Group Results

Focus Group Notes

Virtual or In-Person: In Person

Focus Group Date: October 12, 2023

# of Participants Registered: 8

# of Actual Participants: 7

Session	Participant Notes
Roundtable Questions	• Where is "refuse" (as in to refuse an item) in the hierarchy? A. in rethink/redesign.
Vision	• Follow the ZWIA hierarchy and definitions (NZWC does not define ZW, nor have principles, support international movement for ZW) • Promote hierarchy for ZW • Needs a shift in mindset to move beyond management • Focus on reuse, repair, repair • Closed loop systems, reuse where possible, policies to support this • Share sheds, lending libraries • Focus on high impact materials in the waste stream • Classified properly, extend life of product • Clarity on terminology for reuse, recycling, etc. • Facilitate connections (like industrial symbiosis) • Supportive of local business in 2 parts, 1. businesses involved in waste/recycling/reuse and 2. regular businesses subject to policy • A Metro Vancouver where going zero waste is simple, clear and the norm • Could it be easy • Simple convenient system that directs residents to pyramid -make it easy • Deep transparency around where materials go and easy to understand • Businesses trying to do the right thing -compostable materials - certification/labelling • Need to be clear on what is classed as recycling (e.g. wood burned at pulp mills, etc. is called recycling). Need to force industry to do something better. • Stop focusing on recycling as a silver bullet. • No burn no bury - push for urgency, and systems change • What the vision should not include: Biosolids to incinerators, to add more throughput; bottom ash to cement; wood burning on Coquitlam site; district energy using waste to energy • Promoting successes (like Recycle BC -plastics) • Lean in to what is going well • All materials are valued, not how to get rid of something I do not want /need

Guiding Principles – The group was shown the Metro Vancouver themes, the principles from the ZW hierarchy, the provincial guiding principles and the principles from the previous plan. Asked to start talking about the most important ones to them. Shown to the right in rough order of importance	● Opportunity cost -consider what is not being done while choosing other actions to pursue (example. time, money and effort wasted in pursuing expanded incineration in last plan instead of more waste reduction measures) ● Need for partnerships -so much could be done if the community gets on board ● Transparency + Accountability (cement kilns for example -not same regulations and standards), erosion of public trust and motivation to take action when it feels like it is not clear if it is making a difference ● Local economy -need to reserve industrial land, NADA closed, need private businesses not being supported), could be treated out like for north shore organics contract instead of supporting a good local business -net local benefit + ● Highest and best use of materials ● Process close to source -reuse is closest ● First 3 Rs -rethink, reduce, reuse (thought recycling was getting too much focus, need to have first three be rethink/reduce, reduce and reuse). Keeping products in use by the original owner as long as possible ● ZWIA standards for ZW to be used -align with international standards ● Partnerships built around a positive goal ● Affordability and accessibility -including for reuse. Reframing it, awareness of other cultural practices, bulk should not be more expensive. ● Convenience and consistency -not just for waste and recycling but across the full hierarchy (e.g. reuse, repair, etc.) ● Education and behaviour change to bring people along. Carrot and stick - have people understand what they are already paying for in terms of taxes, etc. as well as environmental/social harms ● Equity and societal improvements ● Highlight businesses opportunities/jobs from zero waste ● On site and community based - supporting local business ● Resilience-climate-infrastructure but also systems and processes ● Promote Zero Waste and Circular Economy ● Public health/equity -needed as history of pushing negative consequences to poor communities. ● Prevent organics and recycling going to garbage -inspect each load, open bags ● Salvage for reuse -highest and best use ● Precautionary principle -discussion on why it is important (example. use of bottom ash in concrete) ● ZW principles -depends on how they define it -use ZWIA principles ● Information and improvement -need to monitor metrics and provide clear feedback to all to help drive change, transparency is important for this as well ● Support reuse, repair, thrifting (note that CE is not defined as only these actions so perhaps remove confusing label) ● Environmental stewardship -good lens -**responsibility to** natural spaces as well as environment in general (air quality, water quality, not polluting) ● Process and consultation -need to all be aligned (processes including RFPs) ● Product Design and innovation-is needed ● Convenience and consistency -make it cheaper to do the right thing for businesses -ensure feedback is going back to generator, not hauler; ensure haulers are doing the right thing

	● Polluter pays/user pays -could be stronger. Acknowledge externalized costs ● Level playing field -generators and haulers ● Missing: Enforcement of policies (like organics, disposal bans) Comments: ● Need to make sure these principles flow through into purchasing/operations, etc. as this has not been the case to date. Need radical rethink of RFP processes at Metro Vancouver ● Caution with “materials as resources”-if it is used to push for incineration ● Some parties may be more willing to partner and work together on zero waste if incineration was not on the table (Example. flow control is a good measure but not to shore up materials for incineration). Previous plan’s focus on incineration and the way the previous consultation was handled led to distrust of Metro Vancouver. ● Caution around “not exporting waste” as can be used to justify incineration. Do not export harm– how to define, caution around dispersing materials. Noted that could export materials but needs to be to a location that welcomes them and has the capacity to deal with them safely and in an environmentally sound way Ones not supported: ● Energy recovery, 5Rs inc energy recovery ● Integrated resource recovery ● Aligning with other plans should not be an absolute -may not have alignment so aim for SWMP to be progressive (even if not aligned). Others were not disliked but not flagged: ● Sustainability ● Natural/social/economic capital ● Minimize discharges ● Conservation of energy ● Materials are resources (not energy) ● Closed loop systems ● Collaborate with other RDs ● Develop collaborative partnerships ● Maximize use of waste materials and manage residuals appropriately
Summary of participants interests	● Working on the first three Rs of the ZW hierarchy and collaboration on this ● Broader reach of actions ● Building trust which will be needed for the partnerships and collaboration ● Less focus and resources on incineration

Post-Engagement Report

Engagement Activity Summary:

Activity:	
Activity Date	Survey: Sept 17th - December 8th Focus Group: November 28th, 2024
Organization/group name	BC Apparel & Gear Association
Time/Duration	Survey: Sept 17th 2024 - December 8th 2024 Focus Group: 1.5 Hours
Location	Survey: ● Online ● In person: ○ Sept 17th 2024: BCIT Downtown Campus, 555 Seymour St, ATRIUM (Room 825), Vancouver, BC V6B 3H6 Focus Group: ● Wilson School of Design, 5600 Kwantlen Street, Room 4900 Richmond, BC V6X 3V8
Format	Survey & Focus Group
# of Participants	15 survey responses 38 in person Focus Group attendees

Summary of Promotions	Newsletter (659 subscribers) Linkedin (796 followers) Instagram (183 followers) Facebook (15 followers, 83 group members)

Participant feedback/Input

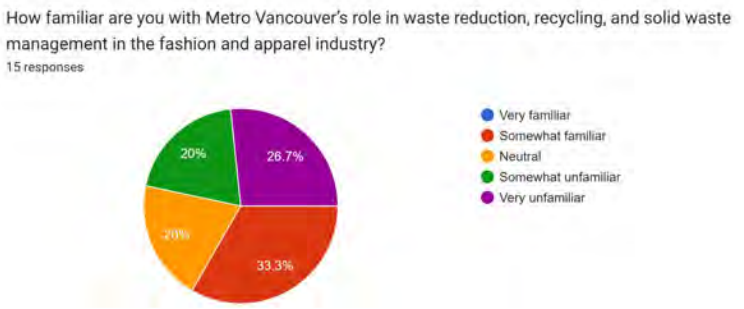
Meeting Notes

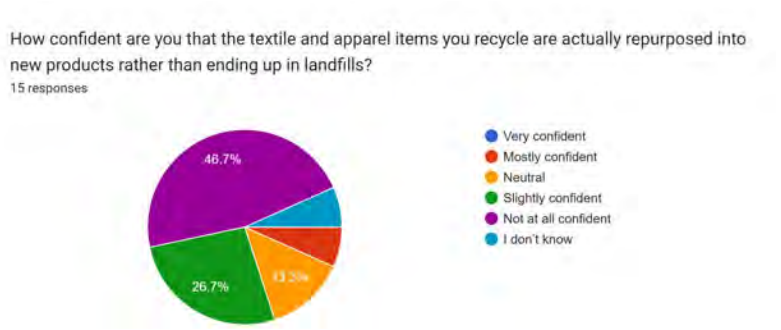
Summary of notes. Please see full notes in the appendix.

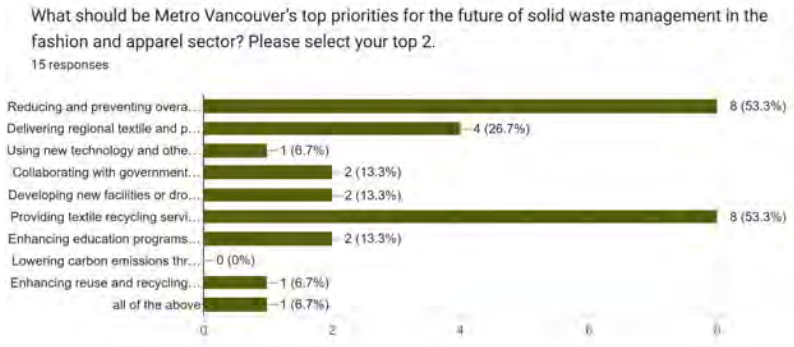
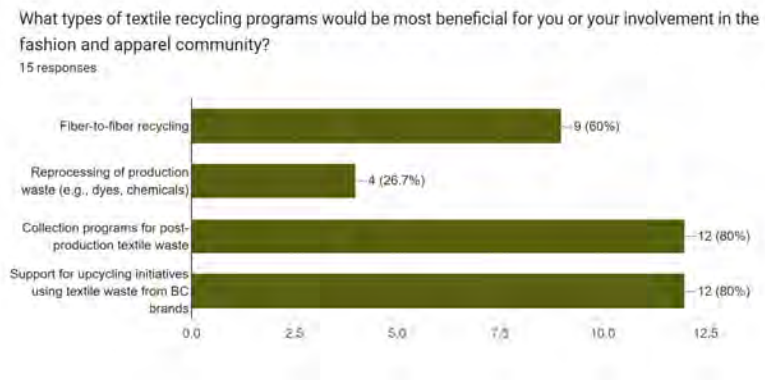
Topic/Question Addressed	***What was said***
Q1 What are the main actions you take to eliminate waste? (led by Debrand, Our Social Fabric - OSF and Fabcycle)	*Summary:* ● Reuse, repair clothing and fabrics ● Thoughtful/reduced consumption - buying less or quality goods ● Transparency in material sourcing/fabric content ● Using waste as a resource for creative projects ● Utilizing textile recycling/reuse organizations like OSF/Fabcycle or thrifting ● Donating to shelters ● Consumer education from brand level ● Efficiency in production process (not over buying material, precision in cutting, zero waste pattern making) ● Promote sustainable consumption habits
Q2: As Metro Vancouver updates the plan, what ideas and actions can build on their success to: Leverage knowledge and expertise through collaboration (led by Debrand)	*Summary:* ● Embed recycling info into fabric - content of fabric is key for recycling ● Community mindset/knowledge sharing to build community and spread message ● More shared spaces - start with developer to integrate workshop spaces into building ● Marketing as a means of education ● Build knowledge-sharing platforms ● Keeping educators informed so new and existing sustainable practices are taught ● Databases(apps) for available resources (clothing pick-up, repair, etc.)

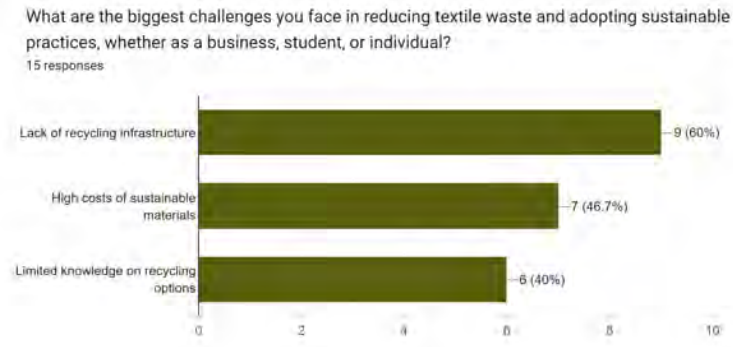
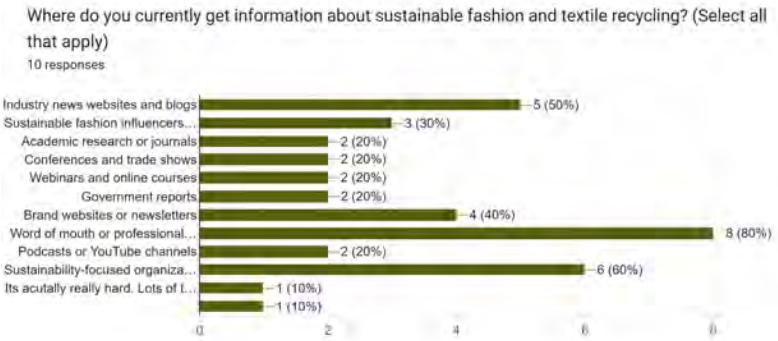
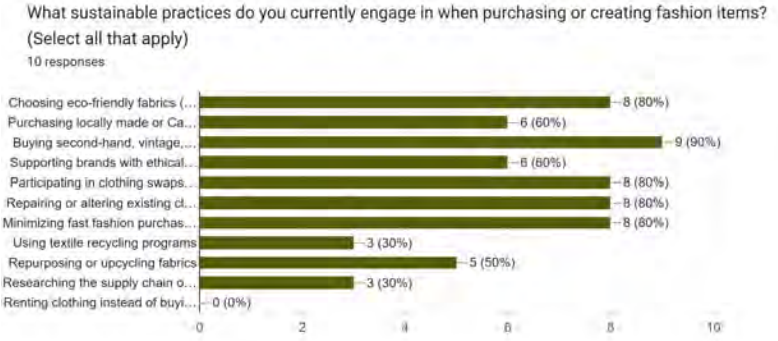
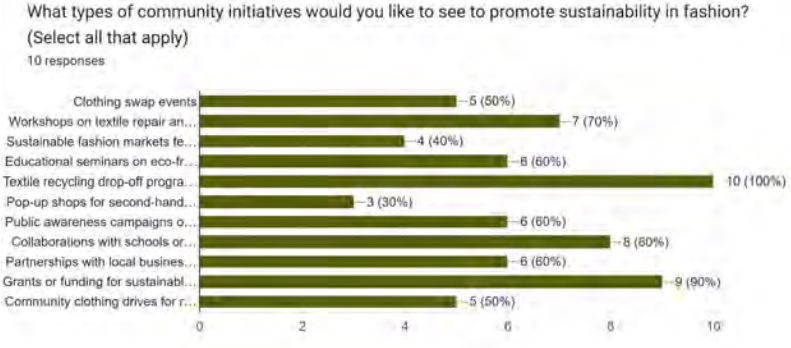
Q3: How can Metro Vancouver collaborate with others more effectively to advance knowledge and expertise through collaboration? (led by Debrand)	Summary: ● More shared spaces for industry level collaboration that are easy to find and subsidize their rents ● Share excess materials from brand level ● Keeping products in life cycle ● Shifting attitudes to focus on less consumption ● Industry voice is important and needs to be consulted to understand pain points ● Building community in the industry to promote conversation ● Sharing knowledge “fibre shed maps” sharing exact details of what works for companies ● Cross connections of industries eg. Reestablishing agriculture and textile connection
Q4: As Metro Vancouver updates the plan, what ideas and actions can build on their success to help expand inclusive programs and services in the region? (led by OSF)	Summary: ● Centralize recycling info and make it easy to find/access ● Scale services for manufacturers ● Build accessible recycling hubs in communities that take everything and are then transported out ● Ease of access and proximity are necessary ● Textile waste bin that goes to a hub with equipment that community can utilize eg. San Francisco artist in residence at dump ● Put responsibility of garment return on to brands/companies. Consumers should not have to pay to return, recycle or repair clothing ● Bring in Home ec and other educators to teach the value of food and clothing ● View waste as a creative resource
Q5: What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play? (led by OSF)	Summary: ● Questioning the sustainability of Take-back Programs (H&M example) - it encourages more consumption and unsure of what happens to the product ● Brand should be responsible for reuse and repair initiatives ○ Better if local - emissions from sending back consideration ○ Rebird Arc’teryx is a good example ○ Shared cost - start with brand then consumer responsible after x # of repairs

	• Durability of products should be considered at production • Government ban on fast fashion • Importance of accurate information - eg. Vancovuer campaign that spread misinformation on repairing Blundstones • App to centralize fabric waste as a resource - like “Too Good To Go” but for fabric • Eliminating shame of mistakes. Shame makes brands hide mistakes and send things to landfill instead of sharing and collaborating to solve issues • Tax for waste • Need for textile recycling infrastructure in Metro Vancouver
Q6: As Metro Vancouver updates the plan, what ideas and actions can build on our success to plan for future infrastructure and systems for waste management across the region? (led by Fabcycle)	Summary: • Companies need to track and be aware of their sustainable actions • Promote better treatment of waste so it does not get damaged and can be properly • Proper labeling and communication of what fabrics companies are using so end user knows proper disposal • Clear communication about how to dispose of or recycle products. • More consideration for shoe repair/recycling - currently cobbling is only option and industry is aging out • Ease of textile waste collection and local infrastructure for sorting • More government funding and support for education around issue and services like clothing swaps and annual garment collecting • Use of sustainable packaging eg. wool, bio plastics
Q7: What is going well in this area that should be expanded on? (led by Fabcycle)	Summary: • OSF and Fabcycle, other zero waste centers are great and educate on waste • Small community initiatives focused on repair, workshops, mending and teaching • Small businesses/organizations starting conversations • Events like these focus groups to start this conversations • Thrifting and recycling gaps • Easy, accessible collection works best

	• Monetary incentives like for cans work well - would like to see implemented for textiles
Closing Discussion	Summary: • Transparency from companies in all aspects - proper labelling on disposal and garment content, what is happening to unused clothing, what is working well for them • Brands need to take responsibility for take back, repair initiatives • Community initiatives and shared spaces and that have equipment for community and industry to come together and use waste as resource • End-of-life design considerations • Networking and sharing resources • Curbside pick-up for textiles, ease of collection • Monetizing waste
Engagement Questionnaire Results	
Summary of survey results. Full survey results in appendix.	
Topic/Question Addressed	***What was said***
Q1: How familiar are you with Metro Vancouver's role in waste reduction, recycling, and solid waste management in the fashion and apparel industry?	
Q2A: How often do you engage in the following waste reduction practices?	

Q2B: Is there anything else not listed above that you always or often do to reduce textile waste?	• Buying/producing less • Starting dialogues in your community • Repurposing or using previously used/deadstock material • Clothing swaps
Q3: How confident are you that the textile and apparel items you recycle are actually repurposed into new products rather than ending up in landfills?	
Q4A: To what extent do the following barriers prevent you from actively reducing textile waste and participating in recycling programs?	
Q4B: Are there any other barriers not listed above that prevent you and your business from participating in textile waste reduction efforts?	• Hard to find/inconvenient • Little confidence things are actually being recycled • No infrastructure that actually recycles textiles in proximity
Q5: How well do you think current waste management programs and services work for everyone in the community?	
Q6: Which community members do you think may be having a difficult time with the current programs and services?	• 55+ with limited info • Young families, full-time parents • Distance, transport, hours, cost • Newcomers, low-income, unhoused • Mental health, homelessness, addiction • Reduce/reuse over recycling • Plastics recycling is inefficient

Q7: What can be done to make the programs and services more inclusive so that they work for everyone?	• Easier access for all recyclables • Recycling bins or drop-off points in neighborhoods, specifically DTES • Transparency on accepted items • Local processing, less shipping • Education, awareness campaigns • Incentives for reducing/reusing • Clearer, visible recycling options
Q8A: What should be Metro Vancouver's top priorities for the future of solid waste management in the fashion and apparel sector? Please select your top 2.	
Q8B: Are there other priorities that Metro Vancouver should be considering that are not listed above?	• Textile bins in public spaces • Recycle textiles into new products locally • Collect clean waste from from Textile manufacturers • Affordable solutions without tax hikes • Hold brands accountable- more need take-back programs • Policy changes for imported clothing
Q10: Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	• Sorting burden on thrift stores • Incentives for local brands to reduce packaging/use sustainable material • Ban textile production waste in landfill garbage bins • Collection services companies can use so clean fabric waste doesn't go to landfills • More readily available recyclable items
Q11: What types of textile recycling programs would be most beneficial for you or your involvement in the fashion and apparel community?	

Q12: What are the biggest challenges you face in reducing textile waste and adopting sustainable practices, whether as a business, student, or individual?	
Q13: Where do you currently get information about sustainable fashion and textile recycling?	
Q14: What sustainable practices do you currently engage in when purchasing or creating fashion items?	
Q15: What types of community initiatives would you like to see to promote sustainability in fashion?	

Q16: How can Metro Vancouver and the BC Apparel and Gear Association better support the fashion community in adopting sustainable practices?	• Ban textile production waste in landfill. • Support brands that offer repair services • Make ethical brands affordable • Promoting lower consumption and holding brands accountable for their products, post consumer

Efforts to Reduce Barriers to Participation

- Survey for online participation if in person was not an option
- Free event
- Event held in an accessible space
- Promoted on several platforms to reach diverse audience

Participants Feedback (engagement evaluation)

Overall, participants found the workshop valuable and inclusive, with effective facilitation and collaboration.

Highlights:

- Breakout group format worked well.
- Strong facilitation and initial introductions were appreciated.

Suggestions:

- Share questions beforehand for better preparation.
- Improve room setup to reduce noise and distractions.
- Allow more time for discussions and consider virtual breakout groups.

Additional Ideas:

- Create a participant map to enhance networking.
- Facilitate regular industry meetups for collaboration.

Narrative Summary

Goals and objectives	Collect feedback from apparel and gear professionals, educators and students on how we can build on the success of textile waste recycling and disposal.

Results achieved	The engagement activity successfully collected feedback from apparel and gear professionals, educators, and students, aligning with the goal of advancing textile waste recycling and disposal. Key outcomes included: **Transparency and Accountability** ● Call for clear labeling of materials and recycling instructions. ● Emphasis on brand responsibility for take-back and repair programs. **Community and Collaboration** ● Need for shared repair and workshop spaces with proper equipment. ● Importance of knowledge-sharing platforms and cross-industry connections. **Education and Awareness** ● Need for consumer education through marketing and campaigns. ● Teach sustainable practices in schools and community workshops. **Infrastructure and Accessibility** ● Suggestions for improved local recycling hubs and curbside textile collection. ● Tools like apps and databases for tracking and managing waste. **Innovative Ideas** ● Monetizing waste (e.g., incentives similar to bottle recycling). ● Viewing textile waste as a creative resource for projects and education. These insights provide actionable ideas and strategies to enhance existing efforts and support systemic changes for sustainable textile waste management.

Challenges and issues addressed	During the engagement, participants highlighted several challenges and significant issues, including: **Transparency and Trust** ● Concerns about unclear labeling of materials and recycling instructions. ● Skepticism around the sustainability of brand-led take-back programs, citing potential for greenwashing. **Infrastructure Gaps** ● Limited access to local recycling facilities and textile collection systems. ● Lack of centralized tools for tracking and managing textile waste. **Education and Awareness** ● Need for stronger consumer education, emphasizing marketer responsibility to promote sustainable practices. ● Gaps in public understanding of proper textile recycling and disposal methods. **Cultural and Industry Barriers** ● Difficulty shifting attitudes toward reduced consumption and durable goods. ● Fear of sharing mistakes, leading to hidden waste and missed opportunities for collaboration. These challenges underscored the need for systemic improvements in transparency, infrastructure, education, and cultural mindset shifts to build more effective and sustainable textile waste solutions.
General feedback	Participants found the workshop valuable, with positive feedback on the breakout group format and facilitation. Areas for improvement included reducing noise distractions and providing discussion questions in advance. Some suggested more opportunities for industry collaboration through regular meetups.

Appendix

Please see the BC Apparel & Gear Association - Post-Engagement Report Appendix PDF for:

- Focus Group Photos
- Focus Group Notes (including demographic information)
- Survey Data (including demographic information)
- Participant Evaluation Forms

Post Engagement Report - Waste Management | BC Hotel Association

Activities Summary

Activity: Online Survey & Communications

Activity Date:	November 5 - December 6, 2024
Organization:	Bc Hotel Association (BCHA)
Location:	Online | Social Media | Direct Email Communications
Format:	Survey Monkey Survey LinkedIn Facebook Instagram Direct Eblast Newsletter
Number of Participants:	Survey Responses - 13 Dedicated Eblasts - 200 Metro Van recipients Newsletters - 2000+ Recipients (across BC and beyond) **Social Reach:** LinkedIn - 6385 Followers Facebook - 384 Followers Instagram - 1679 Followers
Summary of Promotions:	LinkedIn - 6 posts & 4+ reshares Facebook - 2 posts Instagram - 3 story posts Newsletters - 5 inclusions Dedicated Eblasts - 3

Activity: In Person Presentation & Slido Poll

Activity Date:	Wednesday, November 27, 2024 (HAV) & November 19, 2024 (Board of Directors)
Organization:	BCHA at Hotel Association of Vancouver Meeting
Location:	Delta Hotel Vancouver
Format:	In Person - Slide Deck Presentation & Slido (results below) | BOD Information only
Number of Participants:	≈35
Summary of Promotions:	BCHA President & CEO presented on current work the association is doing. Included five slides on Waste Management and the project outline (built from the toolkit) and included two of the questions from survey, done in real time on Slido followed by discussion and Q&A if applicable. Audience included General Managers of Hotels from across Metro Van - members of the Hotel Association of Vancouver. All members (including those unable to attend in person) received the slide deck for review following presentation. *Note that many hoteliers also operate F&B operations within their properties. Small informational presentation to Board of Directors (5 in Metro Van) on the efforts and hopeful outcomes of the survey.

Results Sumarry

Participant Survey Feedback/Input

Topic/Question:	**Responses**	*13 responses
What type of business are you?	Accomodator **41.67%** Tourism Business **8.33%** Restaurant **0%** Association/DMO **33.33%** Other **16.67%**	
Where is your organization based?	Richmond **8.33%** District of North Vancouver **8.33%** Vancouver **83.33%**	

How old are you?	25.34 **27.27%** 35-44 **27.27%** 45.54 **18.18%** 55-64 **27.27%**
How familiar are you with Metro Vancouver's role in waste reduction, recycling, and garbage management?	Very famliar **33.33%** Somewhat familiar **16.67%** Neutral **41.67%** Somewhat unfamiliar **0%** Very unfamiliar **8.33%**
How often do you do the following to reduce waste?	

	ALWAYS	OFTEN	SOMETIMES	RARELY	NEVER	I DON'T KNOW
Bring your own reusable shopping bags	41.67% 5	33.33% 4	25.00% 3	0.00% 0	0.00% 0	0.00% 0
Meal plan to avoid food waste	25.00% 3	33.33% 4	8.33% 1	16.67% 2	16.67% 2	0.00% 0
Compost organic waste including food scraps and yard trimmings (e.g. backyard composting or green bin pick-up)	66.67% 8	33.33% 4	0.00% 0	0.00% 0	0.00% 0	0.00% 0
Pass down or donate unwanted clothes, or participate in clothing swaps	50.00% 6	50.00% 6	0.00% 0	0.00% 0	0.00% 0	0.00% 0
Buy or trade second-hand items	36.36% 4	18.18% 2	45.45% 5	0.00% 0	0.00% 0	0.00% 0
Repair items yourself, bring items to municipal repair cafes, or pay to have them repaired rather than dispose of them	0.00% 0	25.00% 3	58.33% 7	8.33% 1	8.33% 1	0.00% 0
Reuse or repurpose items rather than dispose of them (wrapping paper, food containers, plant pots, etc.)	27.27% 3	45.45% 5	9.09% 1	18.18% 2	0.00% 0	0.00% 0
Bring your own reusable cup, dishes, or utensils for takeout	8.33% 1	25.00% 3	41.67% 5	25.00% 3	0.00% 0	0.00% 0

How confident are you that the items you recycle are being recycled into new products instead of ending up in disposal (i.e., garbage, landfill)?

Very confident **0%**
Fairly confident **41.67%**
Neutral **25%**
Slightly Confident **8.33%**
Not at all confident **25%**
Don't know **0%**

To what extent do the potential barriers below prevent you and your business from participating more actively in waste reduction and recycling efforts?

	NOT A BARRIER	SLIGHT BARRIER	MODERATE BARRIER	SIGNIFICANT BARRIER	DON'T KNOW
Not sure where to drop off recyclables	45.45% 5	27.27% 3	9.09% 1	18.18% 2	0.00% 0
Waste reduction and recycling is not a priority for me	72.73% 8	18.18% 2	9.09% 1	0.00% 0	0.00% 0
Uncertainty about what materials are accepted for recycling in curbside pickup	18.18% 2	54.55% 6	27.27% 3	0.00% 0	0.00% 0
Not enough or overflowing recycling and green bins in multi-family residence	45.45% 5	27.27% 3	9.09% 1	18.18% 2	0.00% 0
Not enough information about reuse and repair options	18.18% 2	36.36% 4	9.09% 1	36.36% 4	0.00% 0
Time constraints	54.55% 6	27.27% 3	9.09% 1	9.09% 1	0.00% 0
Low availability of products that use less packaging or reusable packaging	27.27% 3	27.27% 3	45.45% 5	0.00% 0	0.00% 0
Cultural or language barriers	72.73% 8	9.09% 1	0.00% 0	18.18% 2	0.00% 0
Not feeling welcomed at facilities and recycling and waste drop-off points	72.73% 8	9.09% 1	9.09% 1	9.09% 1	0.00% 0

How well do you think current waste management programs and services work for everyone in the community?

Works well for everyone **10%**
Works well for most, but not for everyone **40%**
Works well for some, but difficult for most **40%**
Does not work for the majority of community members **0%**

What should be Metro Vancouver's top priorities for the future when it comes to solid waste management? Please select your top two.	Using new technology and other forms of innovation to improve waste management	33.33%
	Reducing and preventing overall waste	58.33%
	Delivering regional solid waste services in a cost-effective way	0.00%
	Developing new facilities or drop-off points for recycling, reusables, and waste	25.00%
	Providing services that are easy to use for all residents and businesses	33.33%
	Enhancing education programs and campaigns	25.00%
	Lowering carbon emissions through new technology and practices	0.00%
	Enhancing reuse and recycling opportunities at businesses and multi-family properties	16.67%

Participant Slido (In Person) Feedback/Input		
Topic/Question	**Responses**	*35 attendees
1. How well do you think current waste management programs and services work for everyone in the community?	Works well for everyone **0%** Works well for most, but not for everyone **7%** Works well for some, but difficult to manage for most **43%** Does not work for the majority of community members **43%** Don't know **7%**	

2. Please select the top 3 barriers that most prevent you and your business from participating more actively in waste reduction and recycling efforts.	Uncertainty about what materials are accepted fr recycling curbside pickup **6.31** Not enough information about reuse and repair options **4.38** Not enough/overflowing green bins in multi-family residence **3.85** Low availability of products that use less packaging **2.62** Not sure where to drop off recyclables **1.69** Not feeling welcomed at facilities and ercyciling and waste drop-off points **1.23** Time constraints **0.61** Waste reduction and recycling is not a priority for me **0** Cultural or language barriers **0**
Additional Meeting Discution/Questions	The discussion following the presentation were around emphasizing the top choices in the slido poll. Difficulty in managing as there are many moving pieces to hotel operations. Cost effective solutions and incentives for participating in sustainable, recyclying and waste management solutions. Streamlining initiatives as to not add to operational stresses were some points outlined in why it may be difficult to manage for most.

Narrative Summary

Goals and Objectives	Our goals were to reach our hotel members and tourism and hospitality industry within Metro Van while also garnering feedback from partners we often work closely with each day. Through feedback received with our survey and our slido questions, we aimed to acquire tangilble data to present on the impression of current waste management efforts as well as suggestions for ways it can work better for our industry. In addition, we looked to use social media, newsletters, and in person meetings, to outline the goals of Metro Van Waste Management with this project, creating awareness.

Results Achieved	Survey Responses - 13 In Person Presentation Attendance - 35 Dedicated Eblasts - 200 Metro Van Specific Newsletter Reach - 2000+ (across BC) Social Reach: LinkedIn - 6385 Followers Facebook - 384 Followers Instagram - 1679 Followers
Challenges and Issues Addressed	This time of year our industry receives a large amount of communications about ongoing initiatives, not only from BCHA but other partners organizations. This adds a hurdle to having accommodators spend any amount of time to complete surveys. By presenting a couple of the questions in real time to the Hotel Association of Vancouver, we were able to have a larger amount of participation providing feedback. We also leveraged our partners (listed below) to include the information in their newsletters and social, but we are unable to know how often they included it or their reach.
General Feedback	I think we were successful it garnering feedback from a good amount of industry professionals and decision makers in hotels by using more than one format to do so. Equally as important was the amount of awareness to the initiative we created through our many communications channels and their extensive reach.
Industry Feedback	**BetterTable™** 1mo ••• 2,398 followers Thank you for sharing this survey! As the chair of the #FoodWaste Working Group of Metro Vancouver's Solid Waste Management Technical Committee, input from the #hospitality industry is essential! https://metrovancouver.org/services/solid-waste/solid-waste-management-plan-public-technical-advisory-committee Like | Reply · 1 Reply

Partners in Communications*
Tourism Industry Association BC (TIABC)
Alliance of Beverage Liscensees BC (ABLE)
Restaurants Canada (BC)
Surrey Hotel Motel Association (SHMA)
Destination Vancouver
Hotel Association of Vancouver (HAV)

*Note - All Partners received communications asset and included at their discretion in their own communications and social media

Engagement Activity Summary

Activity:	
Activity Date	Monday, September 23rd - Friday, November 8th, 2024.
Organization/group name	Binners' Project
Time/Duration	90 - 120 minutes per session
Location	Downtown Eastside, Vancouver
Format	Community Consultation and Engagement Survey
# of Participants	Consultations: 27 participants, Surveys: 116 participants
Summary of Promotions *(optional)*	N/A

Participant Feedback/Input

Meeting Notes

The following topics were covered over three consultations:

- Rethinking and preventing waste in the first place (RPV).
- Increase participation and reduce contamination in green bin and recycling programs (IPRC).
- Plan for future infrastructure and systems for waste management across the region (ISWM).

The feedback below is compiled from all three consultations. Similar themes arose from each consultation, along with unique ideas. Each unique idea referenced to a specific consultation topic is associated with its acronym (noted above).

Topic/Question Addressed	***What was said***
What are the main actions you take to eliminate waste?	• Recycle home supplies and shop at thrift stores. Donate to second-hand stores so that others can use it. • Separate and divert paper, plastic, garbage and compost as much as possible, while encouraging and educating others to do the same. • Recycling, and repairing furniture. By refurbishing goods such as shoes and electronics, new life is given to these products. • Try to buy things that will last longer so they use less, "quality over quantity".
What do you see as the challenges and barriers?	• Public knowledge isn't widely known about how to divert waste. A lot of people just don't know [about recycling or their consumer habits]! I've seen and met people in condos who have no idea how to dispose of waste, but apartment buildings also don't have a good infrastructure to support waste diversion. • Improper or inconsistent availability of specific bins for organics, needles and diapers in housing sites. When there is a lack of access to needle boxes, people just put them in the waste, contaminating the bag and making it dangerous for binners. Diapers become a problem because they spoil everything else in the bag. (IPRC) • Plastic packaging! There is thin plastic packaging everywhere and not a good system to dispose of it. Some packages can't be reused or recycled e.g. veggie bags.

	● Things are not made to be fixed. Things are made to be disposed of. Electronics are a great example because we no longer take them to a store to be fixed, you have to either return them to a manufacturer or dispose of them. ● Most large retail spaces produce a lot of packaging and recycling. They should be required to hire people to sort and divert waste. There is less connection between the leadership of these large spaces and the actual waste they produce and what happens to it. Potential financial opportunities are being missed. (IPRC) ● Not having the motivation or commitment from the public. We live a fast-paced lifestyle where we aren't thinking about how to make things better, especially if changes will impact the lifestyle that we enjoy. (ISWM)
What could Metro Vancouver do to address these challenges?	● Create a robust marketing campaign to help educate and also highlight the successes of the system. Market it across various outlets to reach residents connected to the internet and those not, E.g., YouTube, posters, person-to-person, surveys, etc. ● In-person meetings where people can come to attend and learn about the waste systems and how to be a more active participant in waste diversion. Share information on where people can go to fix, buy or recycle things. ● Create more incentives for reuse and proper waste diversion e.g. coffee cups, mattresses, and building more drop-off locations. ● Make it easier for people to communicate challenges with Metro Vancouver on an ongoing basis. For example, make an app where people can report problems by taking photos and uploading them for review. If there is a problem or inconsistency with bins e.g. overflowing, limited access etc. then binners could relay that information. ● Make it less expensive to do the right thing. Enforce a deduction or incentive to do the right by recycling efforts. E.g. Invest in a collection service, or flip the prices around. Pay less to get the good stuff and make it more expensive to buy the cheap stuff.
In what ways can Metro Vancouver collaborate with others?	● News advertisements - get stories on the news to promote waste disposal. Build a new media campaign. Get big chain restaurants to reduce packaging and get them to be a part of the advertisement. ● Local organizations, food banks, local buildings, local binners. Have small groups of people go to businesses around the region to educate people on how to effectively recycle. Let haulers be a part of the solution, they can educate the public on their rounds. ● Encourage/require large buildings/businesses to hire groups like Binners' Project to sort waste. ● A Sister City project. Metro Vancouver could exchange ideas with another city/region with a focus on waste. ● Incorporate recycled art into our natural landscape. Engage with schools, universities, and art projects, to create a festival of recycled sculptures and encourage engagement/investment in recycling from the community. A lot of people in the DTES would love to tap into that creative component. ● Facilitate a collaboration between local farmers, local food deliveries, and DTES to reduce carbon footprint.
Knowledge Gaps and Communications. What info is missing?	● Clear labelling on products, on how to recycle products, clarify what is in products/product packaging. It is still unclear what can be refunded, especially regarding milk containers. ● Businesses need to take responsibility for their products and their end-life

	● There is a lack of bins around the neighbourhoods, with limited access in other areas, and there is inconsistent and unclear signage on bins on what items should go in each. Simplify the waste system! Offer more clarification. ● What's the budget for this type of plan? How is the money being spent, and what impact will this have on residents and individuals?
What are some ways to engage with residents?	● Posters, flyers, online, social media, in-person surveys and events, newspapers, pop-up booths, and community events. ● Connect with local organizations and waste haulers to reach a wider audience. ● Metro Vancouver should create its own newspaper focused on waste reduction and updates.
Is there anything else you'd like to add?	● Incorporate more consultations, and update participants throughout the year on the updates.

Engagement Questionnaire Results

The majority of participants noted a **level of familiarity** with Metro Vancouver's role in waste reduction, recycling and waste management. People living on the streets, the homeless, and persons with mobility limitations or disabilities were identified as community members who have a difficult time with current waste programs and services. Those who live in poorer neighbourhoods were also flagged as more likely to have barriers to participation in waste management. Rich people, tourists, youths and businesses were noted as having an inability to participate due to a lack of knowledge on how to properly divert waste.

Topic/Question Addressed	***What was said***
Barriers	The majority of participants noted to have **slight to moderate barriers** preventing them from participating in recycling efforts and waste reduction. The following were noted as **significant barriers**: ● Low availability of products that use less packaging or reusable packaging ● Time constraints ● Not feeling welcomed at facilities and recycling and waste drop-off points ● Not enough overflowing recycling and green bins in multi-family residences Additional barriers not listed that prevent participation in waste reduction efforts: ● Locks on dumpsters ● Mobility limitations ● Transportation
Access to current waste management programs and services	The majority of respondents claimed that the **current waste management programs and services do not work well for all community members**. Suggestions on what can be done to make programs and services more inclusive for everyone: ● Increase refunds on containers ● Improve and increase transport and accessibility to depots ● More recycling depots and recycling programs ● More advertising available in other languages ● Simplify recycling programs and make them consistent across the region. ● Create more community programs and education resources (in multiple languages)

Metro Vancouver's top priority for the future	Reducing and preventing overall waste
Additional ideas on how Metro Vancouver can reduce the amount of waste in our region	• Host more community events to educate the public and get them invested in disposing of their waste the right way. • Create more events that incentivize people to divert waste e.g. Binners' Project's Coffee Cup Revolution. • Add more bins and more collection points. • Update facilities! Edmonton has some of the most up-to-date waste management facilities
Demographics	The majority of survey respondents stated that they lived in **Vancouver**, were **44 years or older**, and spoke **English**. The following residences were noted: • Other: Homeless • Social/Supportive Housing • SRO • Detached homes • Manufactured or mobile home

Efforts to Reduce Barriers to Participation (Optional)

To make the engagement accessible to binners, Binners' Project members conducted in-person surveys at recycling depots and Coffee Cup Revolution. Participants were offered the opportunity to write their responses or to have their answers written by the facilitator. This approach provided binners with language, mobility, and technological barriers the opportunity to participate in the engagement. Participants were also offered a $5 Tim Horton's gift card for the completion of the survey.

Participants Feedback (engagement evaluation)

Overall feedback on the consultations was positive. The majority of participants enjoyed the opportunity to offer ideas, discuss things as a group, and felt informed enough to participate. Areas for improvement centred around the format of the workshop, which 2-3 people noted as ineffective, and facilitator bias which was noted by one person. (Appendix 3)

Narrative Summary (Your brief reflections on the engagement)

Goals and objectives	Binners' Project's low-barrier engagement strategy focused on gathering feedback from community waste experts, binners. Binners are among the most marginalized groups in urban areas, and they offer valuable feedback on solid waste systems and key insights into the public's approach and habits when disposing of waste. The goal of the strategy was to collect binner feedback in a manner that was informed and in an accessible environment where binners felt comfortable to participate (e.g. on the street, near the depots).
Results achieved	143 binners participated in the engagement, either through the consultation or survey. The results showed that binners are interested in improving the region's waste management and are eager to participate in waste initiatives and recycling programs if they are informed and in a position to contribute. Barriers such as housing, education, accessibility and transportation, and language can impact a binner's ability to participate. A common theme that arose from the engagement centred around a simplified and uniform recycling system, that was accessible to everyone and that held everyone accountable.

Challenges and issues addressed	The length of the survey made it difficult to keep participants engaged and complete the survey in its entirety. As a result, the open-ended questions were often skipped over or answered in less depth. Binners facilitating the surveys used various engagement tactics, in addition to gift cards, to keep participants engaged to complete the survey in its entirety.
General feedback	The survey was noted as more user-friendly compared to 2023's phase one engagement survey. The multiple-choice layout proved easier for participants to follow, as well as the use of simplified language. This could have been a contributing factor to the larger amount of surveys collected during this phase. Binners expressed appreciation for being able to participate in the engagement noting that it was nice to be included, and their perspective sought after.

Appendix

Appendix 1 - Engagement Survey Responses
Appendix 2 - Consultation #1-3 Notes
Appendix 3 - Consultation Participant Evaluation Forms
Appendix 4 - Finance Report

Bioloop Foundation Hackathon Event for Metro Vancouver Solid Waste Management Plan Update
December 7, 2024

Audience/participants:

☐PTAC	☐IVAC	☐Indigenous: Click or tap here to enter text.
☐IAC	☐WMABC	☒Collab Toolkit org: Click or tap here to enter text.
☒Public (General)	☐ZWC	☐Member jurisdiction: Click or tap here to enter text.
☐YEAP	☐CAC	☐Individual:Click or tap here to enter text.
☐Cultural Committee	☐ETC…	☐Other group/Org: Click or tap here to enter text.

Engagement type:

☐Meeting	☐Interview
☒Working group	☐Focus group
☐Email	☐Letter
☒Toolkit	☒Small group discussion
☐Other: Click or tap here to enter text.	

☒In-person	☐Virtual	☐Phone

Engagement Activity Summary

Activity:	
Activity Date	December 7th, 2024
Organization/group name	Bioloop Foundation
Time/Duration	10 hours
Location	515 West Hastings Street, Vancouver, BC
Format	*Hackathon – Case Competition*
# of Participants	12
Summary of Promotions *(optional)*	The event was promoted using different strategies. Traditional posters were distributed to public libraries as well posters were placed around the City of Vancouver following guidelines for displaying posters and signs on City property. High Schools around Metro Vancouver were contacted and encouraged to promote the event with high school students. Eventbrite ads ensure the event was posted at the top of the platform and these ads were targeted to our selected demographic in Metro Vancouver. Instagram ads reached 17,890 accounts of youth living around Metro Vancouver.

Participant feedback/Input

Efforts to Reduce Barriers to Participation (Optional)

We implemented several measures to reduce barriers to participation for underrepresented and equity-denied populations, fostering an inclusive and supportive environment for all attendees:

1. **Diverse Participant Outreach**:
   The event specifically invited youth (15 to 30 years old) who self-identify as Black, Indigenous, People of Colour, 2SLGBTQIA+, and People with long-term, intermittent, or recurring disabilities. Outreach efforts included collaborations with community organizations, schools, and social media platforms to ensure the event reached a broad audience.
2. **Accessibility Provisions**:
   The venue at **515 West Hastings Street, Vancouver**, was selected for its accessibility, including wheelchair-friendly facilities, ample public transportation options, and accessible parking.
3. **Financial Support**:
   Participation was made free of charge, removing financial barriers. Food and beverages were provided throughout the day at no cost.
4. **Safe and Inclusive Space**:
   The hackathon was designed to promote psychological safety by creating a welcoming atmosphere for marginalized groups. Event guidelines prioritized respect, inclusivity, and a zero-tolerance policy toward discrimination or harassment.

These efforts contributed to breaking down systemic barriers and creating a welcoming platform where youth from underrepresented communities could collaborate and innovate.

Participants Feedback (engagement evaluation)

1. **Inclusivity and Accessibility**:
   - Many participants praised the event for creating a safe and inclusive space where they felt welcomed and valued.
2. **Workshops and Mentorship**:
   - Attendees found the workshops insightful and engaging.
   - Mentorship sessions were a key strength, with participants commending the quality and approachability of the mentors.
3. **Networking Opportunities**:
   - Participants enjoyed the opportunity to connect with like-minded peers, community leaders, and industry professionals.
4. **Event Organization**:
   - The provision of food and beverages throughout the day was well-received, ensuring everyone felt cared for.
5. **Focus on Equity and Climate Action**:
   - Participants appreciated the event's emphasis on tackling climate change through equity-driven solutions, describing it as inspiring and thought-provoking.

Constructive Feedback:

1. **Time Constraints**:
   - Several participants mentioned feeling rushed during the ideation and presentation phases, suggesting more time for team collaboration and refinement.
2. **Team Formation**:
   - Some participants expressed challenges in forming teams, particularly for those who were new or attended alone. They suggested a more structured team-matching process to improve inclusivity.
3. **Follow-Up Opportunities**:
   - Attendees expressed a desire for post-event support, such as continued mentorship, funding opportunities, or networking events to help bring their ideas to life.
4. **More Technical Guidance**:
   - A few participants suggested offering more in-depth technical workshops or resources to assist those with less experience in areas like prototyping or data analysis.
5. **Broader Outreach**:
   - While the event was praised for its inclusivity, some participants felt that even more outreach to underrepresented communities could bring greater diversity to future events.

General Sentiments:

Overall, participants described the hackathon as a transformative and empowering experience. Many expressed gratitude for the opportunity to contribute to meaningful solutions for Metro Vancouver's solid waste management plan while addressing broader sustainability challenges. Suggestions for improvement focused on logistical refinements and expanding the event's impact beyond the hackathon itself.

Narrative Summary (Your brief reflections on the engagement)	
Goals and objectives	**Initial Goals** • Encourage participants to develop creative and practical ideas to support Metro Vancouver's updated Solid Waste Management Plan, with a focus on achieving sustainability and addressing waste challenges. • Provide an inclusive platform for youth (ages 15–30) from underrepresented and equity-denied groups, including Black, Indigenous, People of Colour, 2SLGBTQIA+, and individuals with disabilities, to showcase their talents and perspectives in solving environmental challenges. • Build connections among participants, mentors, industry leaders, and community organizations to encourage teamwork, knowledge-sharing, and long-term partnerships. • Facilitate discussions to explore how communities can adapt to climate change, enhance resilience, and implement sustainable practices in daily life.

	• Highlight the importance of Indigenous knowledge and cultural heritage in environmental strategies, fostering respect and collaboration with Indigenous communities. • Equip participants with tools and knowledge to develop ideas that contribute to a circular economy, reducing waste and promoting sustainable production and consumption practices. **Objectives** • Facilitate the development of innovative and actionable ideas for Metro Vancouver's Solid Waste Management Plan, addressing challenges related to waste reduction, resource efficiency, and sustainability. • Ensure representation and participation from underrepresented groups, including youth who self-identify as Black, Indigenous, People of Colour, 2SLGBTQIA+**,** and individuals with disabilities, by providing accessible resources and a supportive environment. • Host interactive workshops, and mentorship sessions to equip participants with tools, knowledge, and insights into sustainability, climate resilience, and circular economy concepts. • Promote teamwork by encouraging participants to work in diverse, multidisciplinary teams and foster meaningful connections with mentors, industry professionals, and community organizations. • Incorporate Indigenous knowledge into workshops and discussions, fostering collaboration and respect for cultural heritage while enhancing environmental strategies.
Results achieved	**1. Participation and Inclusivity** • 12 participants from **diverse backgrounds** (Black, Indigenous, People of Colour, 2SLGBTQIA+, and individuals with disabilities) attended the event, reflecting strong alignment with the goal of empowering underrepresented communities. **2. Innovative Ideas Generated** • **3 teams** presented solutions addressing sustainability challenges, including waste reduction, renewable energy systems, and circular economy practices. **3. Integration of Indigenous Knowledge** • Several teams incorporated Indigenous approaches into their ideas, such as land stewardship and sustainable resource management.

	4. Networking and Collaboration • Participants, mentors, and community leaders formed meaningful connections, with attendees expressing interest in continuing partnerships post-engagement**.** **5. Awareness and Skill Development** • Participants reported gaining new skills in teamwork, critical thinking, and environmental problem-solving through workshops and mentorship. • The event raised awareness about climate resilience, the circular economy, and sustainable living practices **6. Recognition and Celebration** • The closing ceremony celebrated all participants, with recognition awarded to the top team. • Many participants expressed a sense of pride and empowerment, with several planning to continue developing their ideas beyond the event. Key Outcomes in Numbers • 12 participants from diverse backgrounds. • 3 innovative solutions pitched, with 1 standout idea selected by judges. • 6 mentors and 3 organizations provided support. • 2 workshops enriched participants' skills and knowledge.
Challenges and issues addressed	**Challenges Faced** **1. Team Formation and Collaboration** • **Issue**: Participants chose to sign up to the engagement event using the easiest platform, Eventbrite. Majority of participants did not bother to sign up through the website, where participants needed to sign a questionnaire dedicated for team formation. • **Response**: Organizers quickly implemented on-site team-matching process, facilitator-led introductions, to help participants connect and feel included. **2. Time Constraints**

	• **Issue**: Participants felt the timeline for ideation, development, and final presentations was too tight, leaving little room for refining their ideas. • **Response**: Mentors stepped in to help streamline participants' work by guiding them on prioritizing key elements of their solutions. However, this feedback highlighted the need for a slightly longer event duration in future iterations. **4. Ensuring Representation Across Communities** • **Issue**: Despite significant outreach efforts, some underrepresented groups, particularly youth from rural areas and certain equity-denied communities, were less represented than anticipated. • **Response**: A travel subsidy will have helped address part of the issue, but it underscored the importance of earlier and broader outreach, as well as partnerships with rural organizations, for future events. **5. Attendance** • **Issue**: Only 12 participants out of 35 signed up attended the event • **Response**: Despite constant outreach and communication with participants, approximately one-third of the expected participants attended the event. For future events we recommend attendance incentives. **Significant Issues Addressed** **1. Raising Awareness of Sustainability Challenges** • **Addressed**: Many participants entered the engagement event with limited knowledge of Metro Vancouver's solid waste management issues and circular economy concepts. • **Impact**: Through workshops, mentorship, and guided discussions, the event successfully raised awareness of these critical topics, equipping participants with the knowledge to develop meaningful solutions. **4. Building Confidence and Skillsets** • **Addressed**: For participants with little prior experience in pitching ideas or collaborating in a competitive setting, confidence was a significant barrier. • **Impact**: Mentors provided one-on-one guidance, and workshops offered structured skill-building, enabling participants to gain confidence and contribute effectively. **5. Post-Event Support** • **Addressed**: Participants expressed concerns about how to continue developing their ideas after the engagement event.

	• **Impact**: While no immediate follow-up program was in place, organizers began exploring opportunities for ongoing mentorship and funding partnerships based on participant feedback.
General feedback	*Participants generally provided positive feedback about the engagement event, praising its inclusivity, organization, and focus on sustainability. They valued the workshops, mentorship, and networking opportunities, which many found engaging and inspiring. However, some noted challenges with time constraints and team formation, suggesting slight improvements in structure and resources for future events. Overall, the event was described as empowering, transformative, and impactful.*

Breaking Barriers: Inclusive Design for Solid Waste Management

Topic #1: As Metro Vancouver updates the plan, **what ideas and actions can build on our success to**: Expand inclusive programs and services.

Comments (What was said – bullet points)

Barriers identified by Teams:

Team 1

- People face physical limitations to waste management in buildings.
- Many can feel frustrated with the recycling system and numbering.
- It is difficult to handle heavy loads to carry.

Team 2

- Individuals suffering with anxiety, can find it easily overwhelming by recycling and composting directions.
- The team requested education on the management of waste in a household; where items need to be placed and strategies to successful manage household waste.
- Waste management can be made more accessible as many people can find it challenging to adapt to new habits and routines.

Team 3

- Non-English speakers, and newcomers struggle with the recycling and the waste management system.
- Seniors and people with mobility issues, find it hard to contribute to recycling practices
- Community members with physical limitations find it difficult to reach waste drop off points.

Solutions Identified

1. Infrastructure and Accessibility Enhancements

- **Redesign Bins:** Develop lightweight, ergonomic bins for easier use by individuals with mobility challenges.
- **Door-to-Door Collection:** Provide targeted pickup services in high-density and underserved areas, with home care programs for waste sorting.
- **Decentralized Drop-Off Centers:** Set up redemption and recycling points within residential buildings or community hubs.

2. Technology Integration

- **AI-Assisted Sorting:** Implement AI-powered applications to help residents identify and sort waste accurately in real-time.
- **Barcode Systems:** Use barcodes or QR codes to provide sorting instructions and increase confidence in recycling.
- **Smart Facilities:** Establish AI-enabled sorting facilities to reduce individual sorting burdens and improve overall system efficiency.

3. Education and Outreach

- **Tailored Education Programs:** Offer waste management workshops targeting newcomers, non-English speakers, and individuals with cognitive barriers.
- **Clear Signage:** Standardize signage with visual and multilingual instructions for bins and drop-off locations.
- **Community-Led Recycling Events:** Organize "Recycling Parties" to promote mutual aid and incentivize community responsibility.

4. Policy and Incentives

- **Consistent Policies:** Align waste management goals across all government levels to reduce public confusion.

- **Incentive Programs:** Launch a points-based system offering financial rewards for proper recycling practices.
- **Support Informal Recyclers:** Provide safety gear and lightweight tools to street recyclers, ensuring their contribution is recognized and safe.

5. Collaboration and Community Responsibility

- **Interdisciplinary Partnerships:** Foster collaboration among governments, nonprofits, and private sectors to pool resources and expertise.
- **Promote Shared Responsibility:** Shift the focus from individual to community responsibility through collective initiatives and support systems.
- **Culturally Inclusive Strategies:** Incorporate Indigenous knowledge and respect diverse cultural perspectives in waste management planning.

6. Sustainable Manufacturing

- Advocate for sustainable alternatives like plant-based and compostable materials.
- Encourage businesses to adopt zero-waste production methods powered by renewable energy sources like solar, wind, and geothermal.

Q&A

Question asked	Answer given
How can we ensure that solid waste management policies and programs are consistent and clear across different municipalities in Metro Vancouver?	• **Unified Policy Framework:** Develop a Metro Vancouver-wide solid waste management policy that standardizes guidelines, signage, and practices across all municipalities. • **Public Communication:** Launch a regional public awareness campaign to educate residents on the unified policies, using simple, consistent messaging in multiple languages. • **Stakeholder Coordination:** Establish a collaborative task force involving municipal governments, private waste management companies, and community organizations to ensure alignment and adaptability. • **Digital Platforms:** Create an official Metro Vancouver app or website that provides real-time updates and resources on waste management policies.
What specific resources can be provided to marginalized groups, such as newcomers or individuals with disabilities, to help them participate effectively in recycling and composting programs?	• **Multilingual Guides:** Distribute recycling and composting guides in the most common languages spoken in the community, supplemented with visual aids for clarity. • **Cultural Ambassadors:** Partner with community organizations to train cultural ambassadors who can educate and assist newcomers. • **Accessible Infrastructure:** Install user-friendly bins with clear visual indicators, ergonomic designs,

	and height-adjustable features for individuals with disabilities. • **Support Programs:** Provide door-to-door waste collection services or home-care support for individuals with mobility challenges or other physical limitations.
How can advanced technologies like AI be integrated into solid waste management systems without creating additional barriers for those who are not tech-savvy?	• **User-Friendly Applications:** Design AI-powered apps with simple interfaces, voice commands, and multilingual support to assist residents in identifying and sorting waste. • **Hybrid Systems:** Combine AI with physical aids, such as barcode labels or RFID tags, to make waste sorting easier without requiring direct app usage. • **Public Training:** Offer workshops and tutorials to teach residents how to use AI tools for waste management, with a focus on accessibility and inclusivity. • **Tech-Free Alternatives:** Ensure that traditional methods like printed guides and hotline services remain available for those who prefer not to use technology.
What incentives or strategies can be introduced to encourage community responsibility and active participation in sustainable solid waste management?	• **Community Points System:** Launch a points-based reward system where households or neighborhoods earn incentives (e.g., discounts, rebates, or donations to local projects) for proper recycling and composting. • **Recycling Events:** Organize community recycling events or "Recycling Parties" that combine waste management with social engagement, making the practice fun and interactive.

	• **Recognition Programs:** Acknowledge and reward community members or groups who demonstrate exceptional commitment to sustainability through public recognition or awards. • **Mutual Aid Networks:** Foster a culture of community support where individuals assist neighbors with waste sorting or disposal, especially those facing barriers.

Envisioning Tomorrow: Building Inclusive Solid Waste Management Systems

Topic #2: As Metro Vancouver updates the plan, **what ideas and actions can build on our success to**: Plan for future infrastructure and systems for waste management across the region.

Comments (What was said – bullet points)

Key Actions and Solutions

1. Accountability for Unsustainable Practices

- **Hold Bad Actors Accountable:** Enforce regulations requiring companies and organizations to follow sustainable solid waste management practices. Implement fines or penalties for violations.
- **Mandatory Reporting:** Require businesses to report solid waste reduction strategies and their progress toward sustainability goals.

2. Use of Technology for Accessibility

- **AI and App Integration:**
    - Develop an AI-powered app to guide residents on what, where, and how to recycle/dispose of solid waste.
    - Include multilingual options, visual aids, and voice command features for inclusivity.
    - Offer notifications for waste collection days and nearest drop-off sites.
- **AI Sorting Facility:** Build an AI-enabled centralized facility for waste sorting, reducing the onus on individuals and enhancing efficiency.

3. Incentives and Waste Drop-Off Accessibility

- **Vending Machine-Style Systems:** Install automated waste drop-off systems with incentives, such as small financial rewards or community points for proper recycling and disposal.
- **Localized Drop-Off Sites:**
    - Increase waste drop-off points in residential apartments, businesses, and public spaces.
    - Ensure these sites are wheelchair-accessible and conveniently located to minimize travel distances.

4. Expanding Community Access and Awareness

- **Door-to-Door Collection:** Scale up existing campaigns to include underserved areas and provide waste collection services tailored to individuals with mobility issues or other barriers.
- **Centralized Information Hub:** Create an online platform providing zero-waste solutions, waste sorting guides, and sustainable practices in Metro Vancouver.
- **Social Media Campaigns:** Use social platforms to share educational content, promote initiatives, and amplify the voices of community members.

5. Partnerships with Indigenous Communities

- **Sustainability Values:** Collaborate with Indigenous leaders and communities to integrate traditional ecological knowledge and values of sustainability into solid waste management strategies.
- **Reconciliation Goals:** Ensure that partnerships align with the goals of reconciliation by providing equitable representation and opportunities for Indigenous communities in decision-making and implementation.

6. Fair Funding and Job Creation

- **Government Collaboration:** Secure fair funding from municipal, provincial, and federal governments to support sustainable solid waste management initiatives.
- **Job Creation Program:** Develop programs focused on hiring local workers, especially youth, seniors, and marginalized groups, for roles in solid waste management, education, and outreach.

7. Circular Economy Principles

- **Shift from Linear Practices:** Work with businesses, including large grocery stores and small enterprises, to reduce waste and promote refillable products and packages.
- **Collaborate on Food Waste Solutions:** Partner with organizations addressing food insecurity to redistribute surplus food and collect food waste directly from businesses and households.

8. Community Building and Individual Action

- **Community Conversations:** Encourage residents to discuss sustainability with family, friends, and neighbors to foster collective responsibility.
- **Community Responsibility:** Promote initiatives that center on shared accountability rather than leaving the burden solely on individuals.
- **Zero-Waste Events:** Organize events, workshops, and campaigns to engage the community and raise awareness.

Q&A

Question asked	Answer given
How can Metro Vancouver ensure that large corporations, such as grocery stores and manufacturers, take responsibility for reducing waste and transitioning to refillable products or sustainable packaging?	• **Extended Producer Responsibility (EPR):** Expand and enforce EPR programs to hold corporations accountable for the entire lifecycle of their products, including packaging. Require companies to manage the collection, recycling, or safe disposal of their solid waste. • **Incentivize Sustainable Practices:** Offer tax breaks, grants, or subsidies to businesses that adopt refillable, reusable, or compostable packaging. • **Mandatory Waste Reduction Targets:** Introduce regulations requiring corporations to meet specific waste reduction and sustainability goals within a set timeline. • **Collaboration:** Partner with businesses to develop shared solutions, such as bulk refill stations or standardized, recyclable containers that can be reused across brands.
What specific incentives can be provided to encourage individuals and communities to participate in sustainable solid waste management practices, such as recycling or composting?	• **Financial Incentives:** o Implement a community points system where proper waste sorting earns points that can be redeemed for discounts or vouchers.

	o Introduce deposit-refund systems for recyclable containers and compostable materials to encourage proper disposal. • **Convenience-Based Rewards:** Set up vending machine-style waste drop-off systems that reward users with small monetary or non-monetary benefits for correctly disposing of items. • **Community Recognition:** Launch programs to recognize and reward neighborhoods or communities for high participation rates, such as public awards or community grants for local projects. • **Educational Programs:** Provide free workshops, webinars, and events on solid waste management and offer small incentives (e.g., gift cards, free compost bins) to attendees. • **Social Incentives:** Create community-led initiatives like "Recycling Parties" or competitions that gamify recycling and composting to make participation engaging and fun.
How can Indigenous knowledge and values of sustainability be effectively integrated into Metro Vancouver's waste management system while advancing reconciliation goals?	• **Indigenous Advisory Council:** Establish an advisory council comprising Indigenous leaders to guide solid waste management strategies and ensure alignment with Indigenous values and cultural practices. • **Knowledge-Sharing Workshops:** Organize workshops where Indigenous communities share traditional ecological knowledge with policymakers, businesses, and residents to incorporate holistic and sustainable approaches. • **Economic Collaboration:** Partner with Indigenous businesses and communities on initiatives such as

	composting programs, organic waste-to-energy projects, and sustainable materials manufacturing. • **Joint Projects:** Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects. • **Educational Integration:** Include Indigenous perspectives on sustainability in public education campaigns and school curriculums to foster awareness and respect for these values.
What role can AI and technology play in making waste sorting and recycling more accessible for residents who face barriers, such as language or physical limitations?	• **AI-Powered Waste Sorting:** Implement AI-based sorting facilities that reduce the burden on residents by automatically separating recyclable, compostable, and non-recyclable waste. • **Multilingual Sorting Apps:** Develop apps with AI-driven image recognition that allow users to scan waste items and receive clear, multilingual instructions on how to dispose of them. • **Voice Command Integration:** Incorporate voice assistant technologies (e.g., Alexa or Google Assistant) to answer solid waste management questions, providing hands-free accessibility for individuals with disabilities. • **Barcode and RFID Systems:** Introduce barcodes or RFID tags on products that residents can scan to get disposal instructions, improving confidence in waste sorting.

	• **Smart Bins:** Deploy smart bins with built-in AI that identify waste types and direct residents on proper disposal or automatically sort the waste. • **Community Education:** Use augmented reality (AR) or interactive tools in educational campaigns to teach residents how to sort waste properly, making learning more engaging and accessible.

Summary of presentation (SEE ATTACHED ABSTRACTS AND SLIDES FOR REFERENCE):

TEAM 1 – Waste to Carbon

Barrier identified:

The "bag it and ship it" method of food waste management remains dominant, emphasizing the transportation of organic waste to centralized facilities. This approach creates logistical inefficiencies, increases carbon footprints, and adds costs, especially in regions with limited access to centralized systems.

Challenge identified:

While local organic waste processing methods are cost-effective, they often lack the infrastructure and scalability of centralized systems. Conversely, centralized systems incur significant transportation and operational costs, creating a disparity between the economic and environmental sustainability of both approaches

Solution, Idea or Action Proposed:

Comments (What was said – bullet points)

Solutions Proposed

- Implementation of decentralized carbonization units to manage food waste at the local level.
- Integration of AI technology to analyze, predict, and optimize food redistribution, ensuring edible surplus food reaches those in need and waste streams are efficiently managed.
- Hybrid models combining local and centralized systems to balance cost-effectiveness with scalability.

Impact

Adopting these solutions is expected to reduce the environmental impact of food waste, lower overall organic waste management costs, and increase the accessibility of surplus food for redistribution. Furthermore, local carbonization promotes circular economy practices by converting waste into reusable products, fostering sustainable development. Integrating AI into the process ensures data-driven decision-making, enhancing efficiency and resource utilization.

TEAM 2 – Ucycle

Barriers identified:

- Lack of awareness on the impact of solid waste on society is a growing concern.
- Lack of interest in maintaining recycling habits.
- Lack of accurate data to show the environmental impact when we do recycling.

Challenges identified:

- Educating the public on proper waste disposal, waste management and recycling.
- User experience and accessibility
- Motivating the community towards a new culture of zero waste
- Centralizing all services and resources onto one app
- Cooperation and cohesiveness between companies
- Resistance from businesses due to lack of incentives.
- Consumers unaware of impact of improper waste and recycling disposal
- Fundraising (crowdfunding, government grants, donations)

Solution, Idea or Action Proposed:

Comments (What was said – bullet points)

Solution:

- Ucycle program and service with a user-friendly app and website
- Educate and re-educate the public on proper solid waste and recycling disposal
- Provide ongoing and detailed data and analytics on waste reduction information to increase transparency with residents of the community and businesses/organizations.

Impact:

- Reduction of Waste and increase of proper recycling
- Increase of Community Engagement and Accountability
- Overall reduced carbon footprint and a cleaner city

TEAM 3 – EcoSnap

Barriers identified:

1. Vulnerable Individuals: Struggle with mobility, time, or cost to sort and recycle properly.

2. Knowledge Gaps: Unaware of reusable packaging systems or complex recycling rules.

3. Overburdened Individuals: High responsibility placed on individuals without enough systemic support.

Challenges identified:

1. **Enhanced Accessibility:** Provide staff or volunteers to assist vulnerable individuals with sorting and recycling tasks. Door collection.
2. **Responsibility Shift:** Transfer the burden of proper recycling from individuals to governments, municipalities, or strata organizations for better system management.
3. **AI Integration:** Leverage AI to handle waste sorting, eliminating the need for users to decipher guidelines or search online, making the process seamless and efficient. Improve the waste wizard. Add features of image, voice analysis

Solution, Idea or Action Proposed:

Comments (What was said – bullet points)

EcoSnap:

A one-stop application for education, accessibility support and rewards for sustainable-focused users.

1. Education: Use EcoSnap AI to scan and sort waste easily at home. Instant guidance removes confusion and saves time.

2. Accessibility Support for Recycling and Waste Management

a. Municipal and Community Support

- Establish volunteer programs that recruit and train individuals to assist people with disabilities or those less privileged in performing recycling and trash-sorting duties.

b. Business Responsibilities

- **Apartment Complexes and Residential Communities:** Residential management (e.g., strata councils) should mandate staff or services dedicated to assisting residents with disabilities or limited resources in trash collection and recycling.
- **Supermarkets and Retail Stores:** Provide accessible and convenient disposable recycling bins in residential areas or centralized locations, such as near gas stations.

c. Government Initiatives

- Hire individuals from diverse backgrounds to lead regular informational sessions and events at apartment complexes or residential community spaces, educating residents on proper recycling and sorting practices.
- Rewards: Rewards for consistent checking items on recycling, such as points or cashback, through seamless integration with deposit-refund systems

Q&A

Team 1 Waste to Carbon

Question asked	Answer given
Barrier to entry for the public?	The barriers to entry for the public will depend on the level of accessibility and education surrounding the new systems: • **Awareness and Education:** o A lack of understanding about the technology (e.g., decentralized carbonization units or AI-based redistribution systems) could deter public participation. o Public awareness campaigns and workshops will be crucial to educate communities about the benefits and how to use these systems effectively.

	• **Accessibility:**
	  o If decentralized carbonization units are installed in community centers or shared spaces (rather than individual homes), public participation is more likely due to shared responsibility and reduced personal effort.
	  o Integration into existing solid waste management systems (e.g., curbside organic collection) will help reduce barriers.
	• **Behavioral Change:**
	  o Encouraging people to separate organic waste or participate in food redistribution programs may require a cultural shift, which could initially pose a challenge. Incentives (e.g., community rewards, cost savings) could help ease the transition.

Cost and materials involved?	• **Decentralized Carbonization Units:**
	  o **Cost:** The cost of implementing small-scale carbonization units will depend on their size and technology. Initial investment could be significant, but over time, the reduced transportation and operational costs might offset this expense. Around $400 for each waste to carbon device.
	  o **Materials:** The units will require high-temperature-resistant materials for processing waste into biochar, as well as energy sources (e.g., solar, electric). A focus on renewable energy sources could make them more sustainable.

	• **AI Integration:**
	  o **Cost:** Developing AI tools for food redistribution or solid waste management could involve significant initial costs, including software development, data collection, and ongoing system maintenance.
	  o **Infrastructure:** The cost of integrating AI with waste collection systems (e.g., apps, databases, sorting technologies) would need to be covered by government funding, private sector collaboration, or grants.
	• **Hybrid Models:**
	  o **Cost:** Establishing hybrid systems may involve investments in both local and centralized infrastructure. However, these costs could be mitigated through partnerships with existing solid waste management services and community programs.
	  o **Materials:** Infrastructure will require durable, recyclable, and low-maintenance materials to ensure long-term use.

Will every home need "AI"?	No, every home will not need to have AI installed. The proposed AI integration would function at a system-wide level rather than on an individual household basis: • **Community-Level AI:** o AI systems could be centralized in municipal solid waste management facilities or as part of community-level solid waste processing centers.

	o Residents could use an **AI-powered app** or a barcode/RFID system to get guidance on waste sorting and food redistribution without requiring individual AI installations. • **Decentralized Carbonization Units and AI:** o These units would operate independently of AI at the local level but could still benefit from centralized AI systems that manage logistics and optimize their operations. • **Household Interaction with AI:** o The public's interaction with AI would be minimal and likely app based. For instance, residents could use a smartphone app to scan items and get instructions for disposal, eliminating the need for every home to have its own AI device.

Team 2 Ucycle

Question asked	Answer given
How to bridge the digital divide?	• **Community Hubs for Access:** o Set up kiosks or stations at public libraries, community centers, or recycling drop-off locations where individuals can access the app and services. o Provide staff or volunteers to assist those who need help using the technology. • **Offline Solutions:** o Distribute printed materials (e.g., brochures, posters, calendars) with essential solid waste management information, including proper disposal methods, schedules, and resources. o Develop a toll-free hotline for those without digital access to receive guidance and information. • **Partnerships:** o Partner with local organizations to host in-person workshops, educate the public, and provide hands-on assistance. o Work with nonprofits or government programs to distribute affordable smartphones or internet access to low-income households.

How to assist those that will not use the app?	• **Door-to-Door Engagement:**
	  o Employ or train community ambassadors to visit households, distribute information, and assist with solid waste sorting and management.
	• **Physical Resources and Tools:**
	  o Provide physical guides, color-coded bins, or stickers with clear instructions on solid waste disposal and recycling practices.
	• **Local Events and Workshops:**
	  o Host community events like recycling fairs or workshops to educate residents in a face-to-face setting.
	  o Offer incentives (e.g., small gifts or discounts) for participation to encourage engagement.
	• **Traditional Media Campaigns:**
	  o Use radio, television, and local newspapers to disseminate information about waste management and recycling programs.

How to balance the carrot and stick approach?	• **Carrot (Incentives):** o **Rewards for Positive Behavior:** Introduce a points-based reward system for households or businesses that consistently sort and recycle waste properly. Points could be exchanged for discounts, vouchers, or community recognition.

	o **Tax Benefits:** Offer tax rebates or reductions for businesses and organizations that adopt sustainable solid waste practices. o **Community Recognition:** Highlight top-performing individuals, businesses, or neighborhoods in newsletters or community events to motivate others. • **Stick (Penalties):** o **Warnings First:** Begin with warnings or educational notices for improper disposal rather than immediate penalties. o **Fines for Repeat Offenses:** Impose fines on individuals or businesses that repeatedly fail to comply with proper waste management practices. o **Monitoring and Feedback:** Use data analytics to track progress and provide feedback, ensuring penalties are fair and based on clear evidence of non-compliance. • **Transparent Communication:** o Clearly communicate the reasons behind both rewards and penalties to ensure public understanding and acceptance. Emphasize that the goal is environmental improvement, not punishment.

Team 3 EcoSnap

Question asked	Answer given
How can we ensure EcoSnap is accessible to all individuals, especially those without smartphones or internet access?	• **Alternative Access Points:** EcoSnap could be integrated into community kiosks, libraries, and recycling centers where individuals can access its features using public devices. • **Offline Tools:** For individuals without smartphones, printed QR codes or recycling guides could help them identify proper sorting procedures, with accessible instructions on physical media. • **In-Person Assistance:** Volunteer programs or government initiatives can complement the app by offering hands-on support for individuals who cannot access or use EcoSnap.
How does AI integration enhance accessibility and efficiency?	• **AI Waste Wizard:** EcoSnap's AI could use image and voice recognition to help users identify and sort solid waste items easily, removing the need for complicated manual sorting. • **Predictive Features:** AI could predict patterns in waste disposal and recommend tailored solutions for households or communities to reduce waste. • **Seamless User Experience:** AI tools eliminate confusion by offering instant, personalized guidance, making the recycling process intuitive and stress-free.
How will vulnerable individuals be supported in waste sorting and recycling?	• **Volunteer Programs:** Municipalities and community organizations could develop

	volunteer initiatives to assist individuals with disabilities, mobility challenges, or time constraints. • **On-Site Staff:** Residential management (e.g., strata councils) could hire or train staff to help residents with sorting and recycling tasks. • **Door-to-Door Support:** Establish systems for door-to-door waste collection for individuals with mobility issues or other barriers.

CityHive Youth Focus Group Post-Engagement Report

Engagement Activity Summary

Activity: Focus group	
Activity Date	November 12, 2024
Organization/group name	CityHive Youth Engagement Society
Time/Duration	2 hours
Location	CityStudio (1800 Spyglass Place)
Format	Focus Group
# of Participants	16
Summary of Promotions *(optional)*	Email outreach to alumni network, current program participants, and community partners

Participant feedback/Input	
Meeting Notes	
Topic/Question Addressed	**What was said**
Identifying Barriers and Key Challenges	• It wouldn't be such an issue eliminating waste if we weren't so consumerist where mass consumption is incentivized. If we were the generation of my grandparents where things were made to a high quality or could be repurposed, then we would not face the same issues of waste management. I think this is the biggest challenge/barrier in managing waste. • Reducing waste by reusing I feel like Metro Van could have more repair clinics. Where do you go if you want to reuse something? Or donate something? They haven't updated their website in years. I don't know what to do with these things but if there are alternatives they could make that more present. • One of the issues is the idea of recycling as removed from the home, we are now separated from it and just send our recycling to another location instead • Every system is complicated. While we are all here and interested in sustainability, not everyone is • The housing crisis, food insecurity, etc.. Many crises facing people, it's hard to ask people to care about all these things, when their immediate needs are not met. This issue is much bigger – if we cannot tackle people's core needs we will struggle to get people to be engaged. • At the core of it recycling is not the best answer to any kind of waste, the issue is more at the production site.

	● I am not sure if there is enough care from the government to have policies and guidelines on this. Hard to talk about this at an individual level because we know it is systemic. But it is good that Metro Van understands it is not just on the consumer. Should mostly be on producer accountability ● Some people don't have time in their lives to keep types of packaging at the top of mind when doing their regular shopping. Even for individuals it is hard to know what to recycle, where to recycle, etc… ● A lot of the stuff in there isn't sorted properly so knowing that a lot of it might just end up in the garbage anyway ● Different municipalities do things differently too. On the island aluminum and soft plastics are separate. More consistency across municipalities could be less confusing. More streamlining. ● Education doesn't change behaviour. Awareness can to some extent. But we have a lot of immigrants coming in and for newcomers there is a need to understand a difference in behaviour. There needs to be incentive. Free or low cost recycling … but people feel like they should be benefiting from this ● There's no risk/reward balance for individual recycling choices. For individual choices: make it more interesting/gamify it ● Should be consistent. Why do all municipalities not have the same pick up time? If they want to make a policy change there needs to be consistency between and amongst municipalities. At all levels of government, not just the most local – but upwards through regions and the province. You can't have changes implemented in one place and not in others. If you go from Vancouver to Burnaby and have vastly different experiences of recycling. ● A lot of communities have the skills to be sustainable, but may not have the land to operate in a circular nature. If you only have an apartment, you can't grow your own food, and then have a compost system. When you have your own needs met you also can be creative in sustainability within your own home ● Sewing, growing your own food, etc.. Having land is important for this ● Individual - Recycling household small appliances in apartment buildings; doesn't do recycling, city doesn't have pick up service, people have to go to the recycling centre that is not accessible by transit (Richmond); e.g. light bulbs. Could do drop off sites at community centres, do pick up for a fee, have recycling bins in apartment buildings ● What do you do when you don't have a car? Happy to call for pick up for a fee. People turn to private companies, but prefers city for accountability - want to know it's actually being recycled and have dedicated systems to address it ● there's resources about how to throw away major household items like toasters but not too much formal guidance of what to do with daily household items like little bits left of candles or soap and how to dispose of that sustainably

	● Vancouver household waste app; not good user experience and not widely used. There is a language barrier in Richmond because it's only english. There should be a picture feature eg take a photo and know where it goes ● Confusion - more education + misconception about where waste is going ● Lack of transportation - people are not incentivized to waste less, but actually recycle less when they have no means to get to a dump ● Could we put refundable deposits on other objects if you recycle? ● Want to see more accessibility, make it fun ● More legislations on producers to make more sustainable packaging ● Several years ago, I tried gathering data on how many tonnes of waste we've been producing. At that time, data was inconsistent or wasn't there. How does the system work in terms of data collection - maybe it's not within their capacity in terms of capacity/fiscal budget. But having a consistent garbage and composting system might be helpful, but this could be too high level for a complex system. Could be helpful for personal and producer accountability. ● In terms of recycling, maybe it's just me but in the past I've struggled to find recycling depots close to me for electronics. Had to go down to Marine Drive. Some would take TVs but wouldn't take cell phones, for example. I don't want to drive all the way down to Marine Drive. Making this process easier might be more helpful for individual accountability. Especially hard when these places are only open during work or school hours. Not everyone can take time off to do these things. Even hard plastics, they do collect these at the depots but I don't want to collect these at home. Hard to know cups with styrofoam, where that would go in regular recycling. I know this exists for certain languages, but I know that there aren't many resources that exist for Vietnamese communities. So sometimes people just have to guess where things go if language is a barrier. ● Hard to go to the recycling depot if you don't have a car. Difficult to take transit with garbage. It's even still common to not know where things like pizza boxes or paper go in regular recycling cans. Having pictures above recycling bins would be helpful. Especially for those that don't speak English. ● Not only recycling, but understanding how we can reduce waste in general would be helpful. I think consumption is a big part of it, how can we consume less? ● Even with peeled garlic at the grocery stores, lots of waste there from producers. ● For international people, not as much access to recycling programs. More engagement should be done with international communities. In their home countries, recycling might look very

	different and you have to learn a new system when you're here. More accessibility to education and language-friendly options would be helpful. ● Thinking about producer accountability… What is Amazon doing to reduce their garbage? ● In New West, people get stars if they recycle well. This gives people at New West the opportunity to receive positive feedback for their work or gives them opportunities before they are fined. ● Have a QR code at the site of the bins, where you can type in what you have and have the QR code show you where you can put in the garbage. Having live incentives for putting waste in the right bins could be helpful. Perhaps LED light that shows emoticon when you put waste in the right bin.
In what ways could Metro Vancouver collaborate with others to more effectively advance accountability for eliminating waste?	● Library and recreation centers having workshops for knowledge sharing ● Needs to be a general consensus on how to go about things ● Having a standard set like, 'These are the places you can go to for these things' to increase public knowledge. Return-it depot is an example of a success story of having consistency that the public can know offers a certain service. Consistent signage, location names (even if there are private companies that operate them) ● Partner with container-free stores ● Have a common map: Where can you go to refill your things, Where can you go to donate X,Y,Z ● One resource for: Repair, Donate, Deposit ● A lot of people care about their city, but are less connected to the lower-mainland as a whole. Each city has its own community centres and it often feels like the city advertises things more on a city level rather than promoting things to a wider audience. Create understanding of how impact in Langley may also impact Richmond, for example. Have also a common sense of responsibility and accountability and also pride in the progress Metro Vancouver has made ● In BIPOC spaces that I have been in previously there was more value in having more nuance, rather than one simple way of advertising. There needs to be a way to approach nuance within the cities ● Each community has different needs and wants, but when it comes to recycling and waste there is common ground – everyone produces waste and needs to dispose of it. A universal approach with waste may be more efficient ● In schools, kids can hold the family accountable too. When I was in school I remember they would have challenges for us to do at home and it would get the whole family involved. When you are consistent in teaching a behavior it can create change ● Single family homes vs stratas vs apartments are all very different. Just want to throw everything in one place when waste sorting is

	less accessible. In single family homes it is easier to sort things than in an apartment. Some people don't have the interest in doing that. Landlords should enforce that more ● My strata do audits on waste management. My friend's apartment has one stream recycling and then other people will sort it down the line. But once again, there's no consistency between different stratas ● Require reporting when it comes to waste as we do with emissions. Policy on producers so they have to provide reporting and then give incentive ● Hopefully the municipality has it in the first place – not every municipality has the same resources. Only 17 out of 22 of the member jurisdictions have the same schedule of garbage collection every other week to reduce waste. There is no continuity from jurisdiction to jurisdiction ● Schools - changing cultural norms, have 'Recycling ambassadors' to help build cultural awareness ● Universities - make it cohesive across campuses ● Producers of research materials e.g. plastic flasks, etc. can be made from sustainable materials, educate research institutions on how to reduce barriers to recycling ● Ugly Food Day - produce that we weren't able to sell, by donation or free. Can be supported by municipalities to encourage more events like that. Other products that could not be sold but still functionable ● Apartments and housing units contract companies to manage waste ● Working with companies to add deposits on toiletries ● Encourage easily-recyclable designs for products for example all made from same components ● Improve capacity for recycling ● Prevent companies from creating things designed to break ● Create new norms - Programs like cupshare at cafes, discounts if you bring your own container ● Greenwashing: Where do the extra 25c go from cup fees? It doesn't really incentivize people to change behaviour. Cities have to track where the collected money is going - would have to implement a tax (province) ● Zero-waste initiatives, stores, movements ● Translink for transporting the waste with public transportation ● Private companies ● All municipals collaborate on the same waste management policy/plan ● Local/Canadian social media influencers to make funny ads on waste disposal (youth awareness) → combine with raffle to get views up ● Work with companies for sustainable swag

	● One of the things I'm curious about but I feel like individual accountability is focused on those single family homes. What does that look like for people in apartments? Harder to hold people accountable when there's 100+ people in one building. Maybe there needs to be collaboration with property owners or managers. ● Get people to reimagine an alternative reality for waste management. Minecraft might be an interesting place to start (or wherever the kids are playing games nowadays) ● Would like to see more options than plastic. Are there other resources or materials we can use that's biodegradable? But eco-friendly materials are oftentimes shipped in plastic too. ● Incentivizing recycling with other things, such as bus pass price reduction or reduced strata fees. ● Look at gaming communities like Twitch and ask them how to connect games with waste management. A lot of incentivizing comes from games already. ● Metro Vancouver should collect data on what waste is mismanaged the most - as in not sorted properly. And incentivize those especially. That would be so nice to have, but at the same time, it would be hard to implement. Where else would we get the percentage for the city budget. One thing that's worked for my partner's building is they hold yard sales for items they don't need anymore; it's especially helpful for those who don't feel safe to sell items on Facebook Marketplace and sell to the community instead. For things like furniture or children's clothes, if you leave it in a certain spot, the property manager takes it and makes sure that it's recycled properly. Maybe a community center collaboration?? ● Too Good To Go app - this might be a good way to sell things at a lower cost. What do grocery stores do with their produce and leftover items? If not everyone is able to afford items, the grocery stores send it but someone mentioned once how certain organizations in town are able to accept food donations if they are past expiry. Trying to wrap my head around grocery stores and food waste. Clothing stores, gift stores, offices and their swag - it's not very useful but it's for advertisement. Can we hand out chocolate or chips instead to eliminate waste. ● Not all restaurants classify and sort out their garbage. Maybe some incentives for restaurants to recycle more. Maybe a discount can be offered. In downtown, you can use an app to recycle, but it's not accessible for everyone. (Similar to Mugshare program at UBC) ● Who could instruct? Be an educator on these issues ● Could legislation help create more consistency in different forms of housing?

Knowledge Gaps and Communications	● Big gap of where does our waste go. Is it the municipality? Or each city does its own? Or is there one central location ● Are we doing better this year compared to previous years? What is the future for where we are headed? Are we projected to be doing better in terms of wasting less? What are we doing now to be proactive in reducing waste? ● I want to know where and how we got the statistics. Where does one bottle get you? How important is each piece of waste? If you do this, it has this impact. Those kinds of things, people knowing about their contribution and impact is important. Seeing in numbers that if every person does something there is change possible ● Cool to know what initiatives or legislation that Metro Van is working towards to make the producers more accountable. "Compostable" bags not actually being composted because they require very specific processes that are not available in metro-van ● How are we combating green washing ● Really like the piece about making it tangible for people to see the effects of their behaviour. In Tehran, we had a public chart that said what the pollution levels were. We do the same thing with the fire risk charts in BC. Having something built like that around town that reflects what the current state is, and what the projected state is ● What happens to those bags when they go in the compost? Same with those forks? ● Curious how we increased it already to 65% and what is everyone else at? ● The information we receive on a local level is all city specific. People don't know that Metro Vancouver has this impact and mandate to bring about real change. If people actually knew that they may pay attention more ● Hear a lot that individual actions don't matter a lot, but I would like to know how much money I am saving from recycling clothes, from sewing your own clothes, or from bottle deposits, If this information was given to me ● Financials: Tell people how much they are **saving** by doing these things ● Schools - Culture of sustainability; Targeting young generations through workshops. Initiative to connect larger community with the school (waste management stewardship) ● What can you recycle and how clean do they need to be? ● Transparency - where does it go ● Communication on available resources like graphics or technology like apps. Link headquarters e.g. 'Waste Hub' website as a landing site for resources ● Workshops, open houses with Metro Van residences, groups, communities. People are ready to learn and ready to contribute. For businesses specifically too

	● Transit ads (eg Richmond) w/ QR code in multiple languages and graphics/ photos for accessibility ● How is management responsibility split within municipalities in Metro Van? What would be possible for all municipalities?Metro Van has high rates of mobility within municipalities-- a metro van comprehensive recycling communication strategy for people who move through multiple municipalities during their day ● Jurisdiction map of Metro Van ● What happens after you recycle? ● Why is it hard to recycle all kinds of materials? ● What does metro Vancouver do with the recycling they collect? ● Where does the waste get sorted? ● Think of waste holistically, how much waste did we create in creating this material and how much water, etc? App in New West called Recycle Coach - it's not consistent, but you could get prizes through it sometimes. More municipalities could implement something like this ● My mom is from India and getting her to recycle is a lifelong process, but when someone realizes how long something lasts for, that could be an incentive. Incentivizing with money is helpful; now because you have to buy bags at the store, now everybody is bringing reusable bags. ● It's interesting how every municipality would have different waste management system ● BC Hydro has those prizes and you have to go online and answer the questions and you could get a prize. The prize makes it work. ● Textile Exchange - global non profit ● Recycling campaign challenges where you post on social media might work. Meme challenge could also work. TikTok challenge? ● Don't know how important solid waste is to the government/how many resources they want to put into it
Efforts to Reduce Barriers to Participation (Optional)	
● Offering honorarium for participants ● Providing hot meal before focus group engagement ● Providing bus tickets for participants to get to and from the engagement ● Setting up and providing a low stimulation room for participants to step away during the engagement	
Participants Feedback (engagement evaluation)	
● Only half of the attendees completed the post-session survey (8 / 16) so the evaluation is only representative of half the group. ● Of those who completed the survey, they felt that the engagement was a good use of their time and they were able to participate and share their perspectives. Most felt that they received the information they needed to participate. ● Small group discussions were well-received as a format that allowed for more in-depth sharing.	

● There was a desire to hear directly from Metro Vancouver on the engagement process itself as well as share and answer more technical aspects of the Solid Waste Management Plan.	
Narrative Summary (Your brief reflections on the engagement)	
Goals and objectives	● To provide a space for young people in the Metro Vancouver region to share their insights, ideas, and perspectives on the Solid Waste Management plan ● To showcase the unique value that young people bring in public engagement processes ● To facilitate space for young people to feel invested in and part of the decision making processes related to the region they live in ● To convene an engagement where young people can connect with other like-minded youth
Results achieved	● 20 young people (maximum capacity) registered for the focus group within 24 hours, highlighting the interest that youth have in being engaged around topics like these ● Diverse range of youth showed up to the engagement (from geographical representation to diverse demographic communities) ● Connections made between youth participants within their small breakout groups ● Expressed interest from participants to continue being engaged in future or similar projects
Challenges and issues addressed	● While the information provided by Metro Vancouver through the Collaborative Engagement toolkit document was comprehensive and extremely helpful in planning for the engagement, there were specific questions that attendees had that would have benefited from having a Metro Vancouver representative present. Questions around the subject matter of Solid Waste Management as well as the overall engagement process itself came up throughout the engagement and while we tried to direct folks to the website and backgrounder, a representative would've been able to provide more depth. This would've also helped facilitate trust building between young people and Metro Vancouver.
General feedback	Well received! Many would love to see more youth-specific engagement initiatives that are longer term and ongoing.

Appendix 1: Participants demographic information

This only encompasses the 16 attendees who were present at the engagement activity, not including those who registered but could not attend.

- Geographical representation
    - City of Vancouver: 9
    - City of New Westminster: 1
    - Electoral Area A: 1
    - City of Burnaby: 1
    - City of Surrey: 1
    - City of North Vancouver: 1
    - City of Richmond: 1
    - City of Port Moody: 1
- Demographic representation (self-identified via registration form)
    - A majority of attendees identified as racialized people of colour (12/16).
    - Some attendees identified as queer or part of the LGBTQ2SIA+ community.
    - Some identified as immigrants or newcomers. We had participants who identified as disabled as well as participants who identified as Muslim.
    - In terms of age cohort breakdown, we heard from 9 attendees from the 27-30 age group, 5 from the 23-26 age group, and 2 from the 19-22 age group.

Appendix 2: Participant evaluation forms

See Google Sheet with responses [redacted].

COAST
WASTE MANAGEMENT ASSOCIATION

Summary Report

Metro Vancouver Solid Waste Management Plan Update—Idea Generation
Collaborative Engagement Summary Report

Report Submitted by: Sheila Molloy, Executive Director, Coast Waste Management Association
Submitted to: Brooke Atkinson, Engagement Specialist, Solid Waste Services, Metro Vancouver
Submitted: December 13, 2024

CWMA COLLABORATIVE ENGAGEMENT

The top-level goal of this collaborative engagement was to provide Metro Vancouver with ideas and considerations to improve waste management strategies within the region and help them fulfill their commitment to connecting with audiences that are not usually engaged in the updated management plan.

ENGAGEMENT ACTIVITY DETAILS

- Two focus groups
  November 14, 2024 | 10:00 - 11:30 AM PST | [redacted]
  November 19, 2024 | 12:00 - 1:30 PM PST | [redacted]
- One-on-one interviews
- E-newsletter and mailing list promotion
- CWMA Working Group promotion of other organization's Idea Generation Engagements
- Final feedback survey

TIMELINE

- October 30, 2024 – E-news marketing
- October 31, 2024 – Full mailing list marketing to 3600+ community members
- October 31, 2024 – Individual outreach to specific focus group participants
- November 6, 2024 – Email reminder in e-newsletter
- November 11, 2024 – Email reminder in e-newsletter
- December 2, 2024 – Full mailing list marketing to 3600+ community members

THE ORGANIZATION

Coast Waste Management Association https://cwma.ca is a highly regarded, non-profit membership association serving the solid waste industry across British Columbia. We are the largest industry-facing association in the province.

CWMA is comprised of 225 member organizations with over 1200 individual participants engaged in our community and is proud of our greater industry network of over 3600.

Our member participants represent the greater industry with corporations of all sizes and sectors, local governments, non-profits, stewardship organizations, and First Nations.

All our members are directly or indirectly affected by Metro Vancouver's Solid Waste Management Plan.

ENGAGEMENT ACTIVITY GOALS

Focus Groups

The primary goal of the focus group sessions was to bring together a cross-section of leaders in the solid waste management industry of British Columbia. These leaders represent various sub-sectors to ensure diverse perspectives and innovative ideas for Metro Vancouver's Solid Waste Management Plan update. The use of focus groups was intentional to specifically leverage the collective ideas of the group by facilitating a discussion that encouraged participants to build on each other's ideas to make the feedback collaborative.

One-on-One Interviews

For key individuals who could not attend a Focus Group session, one-on-one interviews allowed us to follow up and gain additional information on the topics discussed in the focus groups.

Final Feedback Survey

This was a final opportunity for everyone in the industry who had not yet taken part in any of the other *Idea Generation* engagement opportunities. A questionnaire was developed based on the focus groups and one-on-one interviews and allowed the collection of broader sentiments across the industry on the topics and ideas generated.

E-newsletter and Mailing List Marketing

To ensure CWMA effectively marketed the engagements to members and colleagues in the industry, we sent out reminders using our weekly e-newsletter and specific outreach to our greater mailing list of over 3,600.

Working Group Promotion of Other Organization's Idea Generation Engagements

In the regular course of our well-attended working group meetings, CWMA offered the opportunity for other organizations to highlight the research initiative to their members. Cross-promotion and encouraging everyone to take any of the circulating surveys was part of CWMA's collaborative actions to maximize the reach and feedback for Metro Vancouver.

FOCUS GROUPS and ONE-ON-ONE INTERVIEWS

METHODOLOGY

Zoom meetings were used for both Focus Groups and the One-on-One Interviews.

CWMA followed the *Workshop Agenda Approach* as suggested by Metro Vancouver's community engagement templates.

The topics, as provided by Metro Vancouver's guidance for these Idea Generation sessions, were used as the base for the discussions. However, rather than select two specific topics, CWMA offered the option for our participants to prioritize their preferred areas of discussion and gave them all the time to add ideas on all the topics.

Preparation for the focus group included sending Metro Vancouver's backgrounder and the following Agenda in advance:

1) Welcome & Setting the Stage
2) Introductions (name/organization)
3) Roundtable Speed Share / your top idea
4) Roundtable Discussion topics (2 or 3 will be selected to guide our conversation):
   - Rethink and prevent waste in the first place.
   - Enhance accountability for eliminating waste.
   - Leverage knowledge and expertise through collaboration.
   - Increase participation and reduce contamination in organics and recycling programs.
   - Promote confidence in recycling systems.
   - Expand inclusive programs and services.
   - Plan for future infrastructure and systems for waste management across the region.

A poll in the Zoom meeting was used to determine which topics were most applicable to the group, but all the discussion topics above were touched on by both the Focus Group Participants as well as the one-on-one interviews.

Professional Facilitation was used to uncover everyone's ideas and perspectives, and the one-on-one interviews utilized the same agenda as the focus groups and were done by the same facilitator.

OVERALL RESULT

- Twenty (20) people took part in the focus groups.
- Four (4) additional one-on-one interviews were done following these sessions.

Group 1 selected and focused on
- Rethink and prevent waste in the first place.
- Increase participation and reduce contamination in organics and recycling programs.

- Leverage knowledge and expertise through collaboration.

Group 2 selected and focused on
- Rethink and prevent waste in the first place.
- Enhance accountability for eliminating waste.
- Plan for future infrastructure and systems for waste management across the region.

The one-on-one interviewees spoke about all the topics.

- Overall, the CWMA focus group sessions fostered a vibrant exchange of ideas and perspectives.

- Participants were passionate about advancing sustainable waste management practices and expressed a strong desire for Metro Vancouver to demonstrate leadership in this area.

- The discussions highlighted the need for a holistic approach, recognizing the interconnectedness of waste management with various economic, social, and environmental factors.

SURVEY

METHODOLOGY

The survey was built in and sent as a link using the SurveyMonkey online web tool.

It was a final opportunity for the industry to send ideas. With so many options available as part of this greater outreach, CWMA wanted to ensure there was one last time to generate some new ideas.

The questions aligned with the Focus Group discussions to enable us to use the feedback as part of the aggregated results.

The survey was sent out on December 2 and closed on December 6. Only one reminder was sent.

OVERALL RESULT

18 people responded and prioritized:
- Rethink and prevent waste in the first place
- Plan for future infrastructure and systems for waste management across the region

The survey results enhanced the Focus Group feedback while still bringing unique, individual responses to build on a strong list of ideas to consider

AGGREGATED FEEDBACK & KEY THEMES

PARTICIPANT HIGHLIGHTS

Of the 42 people who participated:
One was from the USA
41 were from British Columbia
58% were from outside Metro Van
42% were from within Metro Van

The group included non-profit environmental organizations, stewardship organizations, First Nations, municipalities, and private corporations, including waste management equipment, solution providers, collectors, recyclers, waste management software experts, and consultants.

IMPACT

Participants were gauged on how this plan would impact their work.

Metro Vancouver is responsible for 1) Waste reduction and recycling planning, 2) Operating a series of solid waste facilities in the region, 3) Licensing private solid waste facilities, and 4) Education and behaviour change campaigns.

- All participants were asked or discussed how the areas of responsibility impacted their work.
- Every participant is affected by Metro Vancouver's work in these areas indirectly or directly.
- *Waste reduction and recycling planning* had the **greatest direct impact** on this group.
- *Education and behaviour change campaigns* had the **greatest indirect impact** on this group.

FAMILIARITY

Participants were gauged on how familiar they were with Metro Vancouver's current work.

How FAMILIAR are you with Metro Vancouver's role in waste reduction, recycling, and garbage management?

- In the focus groups and the survey, a clear majority (over 80%) were familiar or somewhat familiar with Metro Vancouver's role in waste reduction, recycling, and garbage management.

- Sending out the preliminary information and gauging how informed participants were was key to reducing hearing ideas that are already being undertaken and maximizing the new, unique ideas.

KEY THEMES

We have organized the aggregated feedback based on the discussion topics as provided by Metro Vancouver's guidance.

- Rethink and prevent waste in the first place.
- Enhance accountability for eliminating waste.
- Leverage knowledge and expertise through collaboration.
- Increase participation and reduce contamination in organics and recycling programs.
- Promote confidence in recycling systems.
- Expand inclusive programs and services.
- Plan for future infrastructure and systems for waste management across the region.

1) How can Metro Vancouver rethink and prevent waste in the first place?

- NOTE: This was a top priority for <u>all participants.</u>

- **Education and public awareness:** Participants emphasized the need for continuous and targeted education campaigns involving schools, community groups, and producers to promote responsible waste management practices.

- **Collaboration and partnerships:** Building strong partnerships with First Nations communities, producers, and organizations like CWMA was seen as crucial for leveraging expertise and resources.

- **Infrastructure and economic incentives**: Suggestions included exploring options for land access and financial support for recycling and reuse facilities, particularly for depots and for exploring innovative processing technologies that would build local recycling and a more circular economy.

- **Consumer responsibility and behavioural change:** Highlighting the importance of consumer choices and incentivizing waste reduction through rewards programs and accessible information on proper disposal methods.

- **Prioritizing resource recovery:** Identifying and focusing on high-value materials that can be diverted from landfills and reintegrated into the economy. This includes exploring international best practices for resource recovery and innovative solutions.

- **Promoting reuse and repair infrastructure:** Establishing region-wide infrastructure and systems that support the reuse and repair of items, fostering a culture of repair and extending the lifespan of products. This could include supporting initiatives like repair cafes, tool libraries, and donation platforms.

- **Embracing circular economy principles:** Implementing systems thinking and life cycle analysis to understand material flows and promote closed-loop systems where waste is minimized and resources are continually circulated.

- **Enhancing producer responsibility:** Advocating for robust Extended Producer Responsibility (EPR) programs that incentivize manufacturers to design for recyclability, incorporate recycled content, and implement take-back schemes for their products.

- **Engaging and educating the community:** Implementing comprehensive education campaigns targeted at schools, community groups, and the broader public to raise awareness, promote responsible consumption habits, and foster a sense of community ownership over waste reduction efforts.

2) How can Metro Vancouver enhance accountability for waste reduction goals?

- **Strengthening enforcement and penalties:** Implementing stricter enforcement mechanisms and meaningful penalties for illegal dumping and improper waste disposal to deter negative behaviours.

- **Implementing transparent data tracking:** Developing a comprehensive system to track and measure waste generation, diversion rates, and the environmental impact of waste management practices. This data should be readily accessible to the public to ensure transparency and accountability.

- **Prioritizing high tipping fees:** Implementing high tipping fees at landfills and transfer stations to incentivize waste reduction and resource recovery.

- **Mandating product transparency:** Requiring producers to disclose the composition of their products, including recycled content and potential for recyclability, to empower consumers to make informed purchasing decisions.

- **Aligning funding with waste reduction goals:** Ensuring that financial resources are directed towards initiatives that prioritize waste prevention, reuse, and resource recovery rather than solely focusing on traditional waste management methods.

3) How can Metro Vancouver leverage knowledge and expertise through collaboration?

- **Diverse stakeholder engagement:** Involving a wider range of stakeholders, including those who may not be traditional "experts," to bring fresh perspectives and insights.

- **Support for industry associations:** Providing ongoing support for organizations like CWMA that facilitate knowledge sharing, best practice dissemination, and collaborative initiatives.

- **Working groups and committees:** Establishing targeted working groups to address specific waste streams or challenges, drawing upon the expertise of relevant stakeholders. NOTE:

The participants appreciated the work of the National Zero Waste Council in this regard, but the focus was on increasing local actions.

- **Facilitating cross-sector partnerships:** Building strong collaborations between municipalities, First Nations communities, businesses, non-profit organizations, and research institutions to share knowledge, resources, and best practices.
- **Supporting industry working groups:** Establishing and supporting working groups focused on specific waste streams or challenges to facilitate knowledge exchange, identify innovative solutions, and develop collaborative initiatives.
- **Promoting regional and international knowledge transfer:** Engaging in active knowledge transfer with other regions and countries to learn from successful waste reduction initiatives and adapt best practices to the Metro Vancouver context.
- **Investing in research and development:** Supporting research and development projects focused on innovative waste reduction technologies, materials recovery processes, and circular economy models to foster continuous improvement.

4) How can Metro Vancouver increase participation and reduce contamination in recycling and organics programs?

- **Clear and consistent messaging**: Developing standardized and easily understandable guidelines for sorting and disposal across all municipalities within Metro Vancouver.
- **Community-based initiatives:** Implementing reward programs and community projects to incentivize participation and recognize efforts to reduce contamination.
- **Regular audits and feedback:** Conduct ongoing audits of waste streams to identify areas for improvement and provide feedback to residents and businesses.
- **Accessible infrastructure:** Ensuring convenient and well-maintained collection infrastructure, including depots, drop-off locations, and appropriately sized bins.
- **Simplifying sorting guidelines:** Providing clear, consistent, and easy-to-understand guidelines for sorting waste, organics, and recyclables to eliminate confusion and minimize contamination.
- **Implementing robust educational campaigns:** Launching ongoing public education campaigns using various channels, including social media, community events, and school programs, to reinforce proper sorting practices and highlight the benefits of participation.
- **Providing accessible infrastructure:** Ensuring convenient and accessible infrastructure for waste collection and drop-off, including strategically placed bins, depots, and recycling facilities.

- **Exploring innovative collection methods:** Piloting new collection methods, such as pay-as-you-throw programs or incentivized recycling programs, to encourage participation and reward responsible waste management.

- **Addressing language barriers:** Offering waste sorting information and resources in multiple languages to ensure accessibility and understanding for diverse communities.

5) How can Metro Vancouver promote confidence in its recycling systems?

- **Demonstrating transparency in recycling processes:** Providing clear information about the destination and processing of recycled materials, including showcasing success stories and the positive impact of recycling efforts.

- **Combating misinformation and negative publicity:** Actively addressing public concerns and misinformation about recycling practices, emphasizing the effectiveness of programs and dispelling myths that undermine public confidence.

- **Engaging in open dialogue with the public:** Hosting public forums, workshops, and online discussions to address concerns, answer questions, and foster a sense of trust and transparency in recycling operations.

- **Collaborating with media outlets:** Working with media outlets to provide accurate and positive coverage of recycling initiatives and achievements, highlighting the benefits and importance of public participation.

- **Promoting third-party audits and certifications:** Seeking independent audits and certifications for recycling facilities and processes to validate compliance with environmental standards and demonstrate commitment to best practices.

6) How can Metro Vancouver Expand inclusive programs and services?

- **Land availability and cost:** Securing affordable land for recycling depots, transfer stations, and resource recovery facilities, particularly in densely populated urban areas, poses a significant challenge.

- **Accessibility and convenience:** Ensuring that waste reduction services, such as drop-off locations and collection programs, are conveniently located and readily accessible to all residents and businesses, particularly those in underserved communities.

- **Funding constraints:** Allocating sufficient financial resources to support the development and implementation of inclusive waste reduction programs, particularly for initiatives that may not generate immediate revenue.

- **Stakeholder engagement:** Effectively engaging diverse stakeholders, including residents, businesses, non-profit organizations, and First Nations communities, to ensure that programs and services are tailored to meet specific needs and preferences.

- **Addressing contamination issues:** Implementing effective strategies to educate the public and reduce contamination in recycling and composting streams which can undermine the efficiency and viability of resource recovery programs.

- **Proximity to a landfill impacts waste management practice**
  Communities with limited access to landfills, such as those on islands, often exhibit greater resourcefulness and community-driven reuse initiatives due to the practical challenges of transporting waste. This highlights the potential of fostering a similar sense of responsibility and localized solutions in urban environments.

7) What role can Metro Vancouver play in planning for future infrastructure and systems for waste management across the region?

- **Conducting comprehensive needs assessments:** Undertaking thorough needs assessments to project future waste generation and diversion needs, considering population growth, economic development, and evolving waste composition.

- **Developing long-term infrastructure plans:** Creating long-term infrastructure plans that outline the required facilities, technologies, and investments to support sustainable waste management and resource recovery goals.

- **Exploring innovative waste management technologies:** Investigating and piloting new and emerging waste management technologies, such as advanced sorting systems, anaerobic digestion, and waste-to-energy, to assess their potential for the region.

- **Collaborating on regional waste management strategies:** Working collaboratively with neighbouring municipalities and regional districts to develop integrated waste management strategies that address shared challenges and optimize resource sharing.

- **Securing funding for future infrastructure:** Actively pursuing funding opportunities from provincial and federal governments, private sector partners, and other sources to support the development of critical waste management infrastructure.

ADDITIONAL DISCUSSION

First Nations

Prevalent in the focus group discussions was the role that First Nations communities and businesses can play in Metro Vancouver's solid waste management plan. Whether from inside

Metro Vancouver or experts in waste management systems from across the province, the participant's discussion led to the following ideas to consider:

- **Meaningful consultation and partnership:** Ensuring meaningful consultation and engagement with First Nations communities throughout the planning and implementation phases of the solid waste management plan.

- **Recognizing traditional ecological knowledge:** Incorporating traditional ecological knowledge and practices of First Nations communities into waste reduction strategies and resource management initiatives.

- **Supporting First Nations-led initiatives:** Providing financial and technical support to First Nations communities to develop and implement their own waste management programs and infrastructure projects.

- **Prioritizing procurement from First Nations businesses:** Actively seeking out and prioritizing procurement of goods and services from First Nations-owned businesses in the waste management sector.

- **Fostering capacity building and economic opportunities:** Collaborating with First Nations communities to create training and employment opportunities in the waste management and resource recovery sectors.

Producer Responsibility

Also discussed in detail in both groups was the role producer responsibility organizations (PROs) play in waste prevention and how Metro Vancouver could continue to lead by encouraging:

- **Product Design and Extended Producer Responsibility (EPR**): Encouraging current producers to design products with recyclability and end-of-life management in mind and expanding EPR programs to cover a wider range of products.

- **Collaboration with Municipalities**: Encouraging producers to partner with municipalities to raise awareness about recycling programs, provide convenient collection options, and support more repair and reuse initiatives. Metro Vancouver leading this type of collaboration would be a great benefit for the entire industry.

INDIVIDUAL IDEAS TO CONSIDER

A few stand-alone ideas emerged in the discussions and from the survey's open-ended question responses that are worth highlighting:

- Recognizing the interconnectedness of solid and liquid waste streams, particularly in the context of food waste, allows for a more holistic and efficient approach to resource recovery. Integrating strategies from both areas can potentially minimize environmental impacts.
- Prohibit soil disposal in landfills and promote soil recycling/regeneration within the region.
- Increase soft plastics recycling/collection.
- Focus less on residents and more on other sectors where the largest gains in diversion could be made, e.g. wood waste; industrial, commercial and institutional (ICI); and demolition, land-clearing and construction (DLC).
- Best practices: doing more studies on waste reduction would be great to see and a good resource to be shared with other Municipalities and Regional Districts.
- Metro Vancouver must continue to lead so that others will follow.

APPENDICES

[redacted]
Focus Group November 14, 2024 | 10:00 - 11:30 AM PST [redacted]
Focus Group November 19, 2024 | 12:00 - 1:30 PM PST [redacted]
October 30, 2024 Focus Group Invitation/Reminder – [redacted]
October 31, 2024 Focus Group Invitation – [redacted]
December 2, 2024 – [redacted]

Thanks to Metro Vancouver for the opportunity to collaborate and support this important work.

Post-Engagement Report

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall.

Engagement Activity Summary

Activity:	
Activity Date	November 13 & 20, 2024
Organization/group name	Templeton Secondary School Environment Club
Time/Duration	35 minutes + 35 minutes (2 workshops in total)
Location	Templeton Secondary
Format	Workshop
# of Participants	20
Summary of Promotions *(optional)*	

Participant feedback/Input

Meeting Notes

Include any notes from the engagement activities. These are "what was said" notes and should be as close to verbatim as possible. Use one bullet point per speaker (i.e., start a new bullet when a new person starts speaking.)

Topic/Question Addressed	*What was said*

Q1 What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste?
 	
For every barrier listed, try to think of an alternative or something that would make it easier for you to address that problem.
	• Recycling flexible plastics
	  ○ Have to drive, bike, etc. to recycle them
	  ○ Travelling far to recycle creates more CO_2
	• Plastic lining on cans, cups, etc. -> mixed materials
	• Bubble tea cups have mixed materials (compost straw, plastic body, paper)
	• Culture of laziness – if everyone else isn't doing it, then why should I
	• STEM class at school did a waste audit and found compost bin was OK but the garbage bin had all sorts of materials mixed in it

	• More signs would be helpful, even if some people don't read them. And if they don't read, tell them • Symbols/labels on wrappers – not clear on where things go. Need more labels • Climate change is daunting issue; but recently learned that only 3.5% of people need to actively make change to solve this, so need to share that people CAN make a difference o Root of it: Why do people not care? They think that it won't make a difference
Q2 What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly? Do you have any questions about this topic that Metro Vancouver may be able to answer for you?	• What's "in it" for them? (especially for teens) o Why bother if we don't get anything out of it? • Idea: Teenagers like music so maybe provide concert tickets or something as a prize • Recycling deposits – so little money, not enough incentive • Their club is implementing Halloween wrappers recycling, and everyone who participates enters into a draw for a Tim Hortons gift card • Initiatives like this starts routine for people, build habits • Question: Where does recycling end up, after you throw it in the bin? • Why does it matter, if everything all ends in one place?
Q3 What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	• People from the City come into schools, or do a school event with fun activities AND information sharing • Concerned about elderly folks collecting cans, want to do something to support these people. They often get shamed o *The Binners' Project was introduced as a possible resource for the students to look into* • Show consequences E.g. when students watched a documentary on meat, people cut down on their meat consumption • Use art to show what could happen in 20 years and consequences/impacts but also

	the opposite, of what things CAN look like. Both perspectives important because what motivates one might not motivate another person
	• Social media can be impersonal; more likely to do something about it if learn in-person
	• For high schools without environment clubs, it's hard to start one. Should be more opportunities to give projects/ building blocks to those schools to start
	  o Advertise opportunities for clubs to join together and network
	• Biggest road block is accessibility and knowledge
	  o Can use social media, influencers
	• Teach what's compost, what's recyclable

Questionnaire Results

If you have conducted a questionnaire, please include a summary of the results here.

N/A

Efforts to Reduce Barriers to Participation (Optional)

Description of efforts made to reduce barriers to participation for underrepresented or equity-denied populations (if applicable).

The workshops were held during school hours at the environment club's weekly meetings, so that youth were able to participate easily without any barriers.

Using the toolkit provided by MV, I tailored some of the questions for the students to make it more relevant and engaging for youth, as opposed to a general adult audience. The warm-up question was changed to a brainstorming and discussion activity, where youth were asked to think back to a time when they had to dispose of something but didn't know where or how. The purpose of this exercise is to help youth understand how the solid waste management plan impacts their daily lives, the barriers that they/their families face in reducing contamination, and to prompt them to start thinking of possible solutions.

Participants Feedback (engagement evaluation)

Summary of written feedback from participants on how the engagement activity went (attach evaluation feedback as appendix)

Attached is the evaluation feedback from the teacher who hosted this workshop. It was not possible to get written evaluation feedback from each student. Overall, the teacher found the workshops engaging and effective. She preferred the second workshop, which was conducted in-person as it was more engaging. A

piece of constructive feedback was that providing food/snacks to students during the workshop would have made them more comfortable and may prompt more discussion. The teacher would like the results of these workshops and engagement to be shared back with the students in the future so that they could see how their input made a tangible difference.	
Narrative Summary (Your brief reflections on the engagement)	
Goals and objectives	*Outline the initial goals and objectives of the engagement activity.* The goals were: • To get youth input and ideas on how to increase participation and reduce contamination in recycling and organics programs • To engage high school students on the topic of waste and help them feel empowered to have a say in their community • To assist Metro Vancouver in reaching youth, a key demographic that is traditionally overlooked in sustainability planning and initiatives

Results achieved	*Summary of results, key outcomes, and how they align with the initial goals.*
	Overall notes on the workshop:
	• The focus area chosen for the students was on increasing participation and reducing contamination in organics and recycling programs.
	• The workshop was split over two days (approx. 35 minutes each) because there was not enough time to cover all the background information while also allowing for in-depth discussions in one lunch period. The first workshop was conducted on Microsoft Teams because of a lack of resources for me to attend in person, and I gave a general presentation on the SWMP update and Metro Vancouver. The second workshop was done in person with the Metro Vancouver film crew and was focused on getting the youth to share their thoughts on the three discussion questions.
	• The Metro Vancouver backgrounder and informational handout was sent out to all students beforehand.
	• On average, students rated their knowledge of Metro Vancouver before the workshop as **3.5**, on a scale of 1 (*never heard of MV before*) to 5 (*I know about everything that MV does)*. This particular group's knowledge is higher than the average high school student's because the teacher sponsor teaches jurisdictions to her students every year.
	• At the end of the workshop, several resources were shared with students, including:
	  ○ VanCollect website & app
	  ○ Vancouver Zero Waste Centre
	  ○ SPEC Repair Cafés

	- zerowaste@metrovancouver.org for additional comments, feedback, questions - Metro Van SWMP Update website - If there was more time, it would have been interesting to get student input into other focus areas, such as how to reduce and prevent waste in the first place, as this group seemed to have a lot to say about waste. The club is already active in leading waste reduction and recycling projects at their school, such as participating in VSB and Recycle BC's Flexible Plastics School Collection Program and organizing a clothing swap. I observed that these students obviously knew and cared a lot about the issue of waste. But even within this highly engaged group, they had identified some barriers to sorting their waste properly, namely with flexible plastics and items composed of mixed materials. The rest of the discussion was mainly focused on how to reach other youth who may not be as passionate or aware of the issues, and ways to incentivize and mobilize them. They believe that more signs and labels are needed to educate people on how to sort their waste. There is a lack of education on why this all even matters, and the possible scenarios from reducing waste or *not* reducing waste should be clearly communicated to people in order to encourage them to adopt habits. The students also mentioned that while online spaces like social media are important to raise awareness, they would like to see more in-person activities, engagement, and support through events and school environment clubs. The club was somewhat familiar with Recycle BC already because of their participation in the Flexible Plastics School Collection Program, but they weren't sure about how Recycle BC fits in with the work that Metro Vancouver is doing on the SWMP. Metro Vancouver should consider tapping into and collaborating on the work that Recycle BC and the Vancouver School Board are already doing in schools on waste, in order to further engage this underrepresented demographic (if you aren't already doing so).
Challenges and issues addressed	*Description of any challenges faced, and significant issues addressed during the engagement.* The teacher noted that the group is normally even more active in discussion but may have felt a little shy about speaking up with the camera and microphone present. As an external facilitator, I felt that the discussion went very well and plenty of ideas were shared, but perhaps there were a few individuals who were not as outspoken as others and the camera may have been a factor.
General feedback	*Overview of general feedback received from participants about the engagement activity itself. (Very brief)* The students expressed their appreciation for the workshop activities and the opportunity to provide input to Metro Vancouver. This group has a lot of

	interest in learning more about what their feedback will be used for moving forward, as well as hearing about how the next phase of engagement goes.

Appendix





Flexible plastics collection at Templeton Secondary School, led by the Environment Club.

Below is the evaluation form from the teacher sponsor of the environment club.

Post-Engagement Report

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall.

Engagement Activity Summary

Activity:	
Activity Date	November 12, 2024
Organization/group name	Semiahmoo Secondary – Two Life Sciences 11 classes
Time/Duration	1 hour (per class)
Location	Semiahmoo Secondary
Format	Workshop
# of Participants	29 + 30 = 59 students
Summary of Promotions *(optional)*	

Participant feedback/Input	
Meeting Notes	
Include any notes from the engagement activities. These are "what was said" notes and should be as close to verbatim as possible. Use one bullet point per speaker (i.e., start a new bullet when a new person starts speaking.) **Note:** The classes were too big for a discussion with the whole group, so students were put into small discussion groups of 4-5 of their peers and they took their own notes on sticky notes as they went through the three discussion questions. The "What was said" notes below are summarized from the overall themes and repeated points emerging from the collected sticky notes, as well as what I heard from walking around the classroom during the discussions. For fully transcribed, verbatim notes from students, please see the appendix.	
Topic/Question Addressed	***What was said***
Q1 What do you see as the primary challenges or barriers that you face in try to dispose of and/or recycle waste? For every barrier listed, try to think of an alternative or something that would make it easier for you to address that problem.	Barrier 1: Laziness / Convenience • Too much effort needed to take the extra step to recycle, especially when there are already limited bins to sort the waste into • Difficult and inconvenient to recycle waste that is not collected by the household recycling/composting bins

	• Single-use options are just more convenient to use in some cases Barrier 2: Lack of Knowledge • Don't know what to do with mixed materials (e.g. when plastics and paper are used together in a product) • Don't know what to do with waste that could potentially go into multiple bins (e.g. paper straws, take out containers, pizza boxes) • Confusing when different locations have inconsistent/different bins (e.g. school vs home) • Packaging and containers don't have enough labelling or instructions on how to dispose; need more clear labelling • Would like to know where a product came from, what it's made of • Lack of information on where to recycle other items that are not as common; would like to learn what websites can be used/trusted to find out this information • Older generations also don't know, need to reach them via newspaper, billboards Barrier 3: Lack of Infrastructure • Compostable bags are not accepted in residential bins • Residential waste limited in the types of materials accepted • Some places have bins with different slots for recycling but everything ends up in the same trash bag • Some places don't have enough bins or they're overflowing • Build more stations/depots to get refunds on recyclable bottles • Better labelled bins • Install more recycling/composting bins in public spaces • One student said she used to live in Vancouver and when she moved to Surrey it was confusing as the different municipalities had different sorting systems
Q2 What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly?	Labels • More labels on everything that say where they can be thrown away

Do you have any questions about this topic that Metro Vancouver may be able to answer for you?	• More labels or posters with details posted above garbage, compost, recycling bins that include a fuller suite of items that can be disposed of in them • Labels can include more info like photos and words to make it more accessible and easier to understand Online Solutions • Official source online such as websites or apps with information o They may exist already but students are unaware of them • Create an app that helps identify waste • QR codes in public places that link to a website with understandable language • Use social media to share information General Information Sharing • Clearer guidelines on what can and cannot be recycled in my area • More education about the types of waste to be sorted • Clear alternative methods of disposal for waste that's not acceptable in residential collection, show exactly where it can be recycled instead • Locations of all recycling facilities for electronics, clothing, mixed material items • Where does all our waste go after it's collected? o Both positive and negative statistics are of interest • Advantages and incentives for recycling and reducing waste • Information on why it's important to separate waste properly, importance for our region and services • Informational posters • TV ads • Flyers in the mail • More workshops, hands-on learning opportunities • Field trips for high school students • Comic / art pieces showing what's done with the waste/where it goes in public areas (bus stops, billboards) Questions

	• Does MV have any incentives for reducing household waste?
	• Are there any plans to expand composting options for materials like Styrofoam or other materials that are harder to process?
	• How do you dispose of:
	  o Clothes
	  o Wooden cutlery
	  o Tiny pieces of paper
	  o Metal
	  o Broken glass/porcelain objects if wrapping them with plastic would make it different materials
	• Do you take staples out of booklets?
	• Is there an easy-to-follow guide to what goes where, is there a website?
	• If people are throwing away furniture, who should we call or where can we throw it?

Q3 What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	In schools • More awareness through presentations to classes from teachers • External guest speakers and workshops to talk to students • More in-classroom discussions • Creating scholarships related to waste • Incorporate waste education into curriculum and course coverage (have mandatory units in a course and field trips) • Hands-on learning • Offer prizes and reward system in school • Require volunteer hours for students • Waste sorting competitions • Make sorting and recycling fun and engaging for younger kids so that they are more educated and care more as they grow up Social media • Instagram page, stories, reels • TikTok trends, videos • YouTube videos • Informative posts but also make interesting, eye-catching videos; funny videos with catchy phrases; short but engaging content • Giveaways on social media Other comments

	• Create a BC-specific website that provides searchable information on how to sort waste in every city • Online lists of what kinds of things are accepted in blue, black, and green bins • Create a recycling app that shows what items are recyclable, their drop-off locations, tips for reducing waste • Make information relatable to the everyday citizen • Hands-on activities in the community • More encouragement for citizens, share the consequences of inaction and how important it is • Spread awareness through posters, news, advertisements • More presence at community events where people already gather (e.g. a booth on waste at the Christmas market)

Questionnaire Results

If you have conducted a questionnaire, please include a summary of the results here.

N/A

Efforts to Reduce Barriers to Participation (Optional)

Description of efforts made to reduce barriers to participation for underrepresented or equity-denied populations (if applicable).

The workshop was held during school hours during the Life Sciences 11 classes, so that youth were able to participate easily.

Using the toolkit provided by MV, I tailored some of the questions for the students to make it more relevant and engaging for youth, as opposed to a general or adult audience. The warm-up question was changed to a brainstorming and discussion activity, where youth were asked to think back to a time when they had to dispose of something but didn't know where or how. The purpose of this exercise is to help youth understand how the solid waste management plan impacts their daily lives, the barriers that they/their families face in reducing contamination, and to prompt them to start thinking of possible solutions.

Participants Feedback (engagement evaluation)

Summary of written feedback from participants on how the engagement activity went (attach evaluation feedback as appendix)

Attached is the evaluation feedback from one of the teachers of the Life Science 11 classes. It was not possible to get written evaluation feedback from each student.	
Narrative Summary (Your brief reflections on the engagement)	
Goals and objectives	*Outline the initial goals and objectives of the engagement activity.* The goals were: • To get youth input and ideas on how to increase participation and reduce contamination in recycling and organics programs • To engage high school students on the important topic of waste and help them feel empowered to have a say in their community • To assist Metro Vancouver in reaching youth, a key demographic that is traditionally overlooked in sustainability planning and initiatives
Results achieved	*Summary of results, key outcomes, and how they align with the initial goals.* General notes on the workshop: • The focus area chosen for the students was "increasing participation and reducing contamination in organics and recycling programs." • This report combines the results of two different Life Sciences 11 classes at Semiahmoo Secondary. • The classes were polled informally with a show of hands on their knowledge of Metro Vancouver at the beginning of the workshop. On average, students rated their knowledge as 2, on a scale of 1 (*never heard of MV before*) to 5 (*I know about everything that MV does).* • At the end of the workshop, several resources were shared with students, including: o Surrey Rethink Waste website & app o Central Surrey Recycling and Waste Centre o Surrey Repair Cafés o Metro Vancouver Youth and Education Advisory Panel opportunity o zerowaste@metrovancouver.org for additional comments, feedback, questions o Metro Van SWMP Update website Overall, I heard from students that a major barrier to recycling and composting waste properly comes from a culture of laziness that is due to a lack of knowledge on waste and also due to the inconvenience of our waste systems and infrastructure. Common barriers mentioned by students included not knowing how to recycle common items that aren't accepted in residential waste collection and in school bins, as well as missing information on the products/labels about how to dispose at the end of life.

	Students preferred finding their information through online sources like websites, apps, and social media, and would like to learn more about what can be recycled and where, why it's important to recycle, and what is done to the material after it's collected. Generally, they would like to see more awareness campaigns on TV, posters, and in ads too. Students agreed that it was important to engage youth on this topic and to educate their peers, both online on social media but also in person at the schools. They would like to see a more active push for waste education in schools through activities such as mandatory coursework, field trips, presentations from external speakers working on waste, and potential incentives like scholarships, prizes, and volunteer hours for graduation. Through this workshop, students were able to increase their awareness of Metro Vancouver and its role in managing waste in the region.
Challenges and issues addressed	*Description of any challenges faced, and significant issues addressed during the engagement.* The level of engagement was high for both classes, and most students were engaged and ready to discuss the topic. However, there were a handful of students from each class who were noticeably less engaged, but in the end all students were able to participate however they wished, and everyone submitted sticky notes. It is still important to get the input of "indifferent" youth and hear about the barriers and challenges that they face in sorting waste. Small prizes of reusable bags and utensils were given out at the end of class as an incentive to stay engaged through the workshop. The size of the classes made it difficult for me as a facilitator to hear every conversation that happened, but the sticky notes were helpful to collect students' ideas and concerns. The sticky notes also allowed everyone to participate, as some students may not feel comfortable in a focus group setting where they may have to speak up in front of all their peers.
General feedback	*Overview of general feedback received from participants about the engagement activity itself. (Very brief)* Verbal feedback from the students and teachers at the end of the workshop indicated that they enjoyed the workshop. Through the notes collected on Discussion Question #3, it seems like there is appetite from students on hearing more from Metro Vancouver directly about waste reduction and recycling.

Appendix

Appendix 1: Evaluation form from one of the Life Sciences 11 teachers whose class I spoke to

Appendix 2: Transcribed sticky note comments generated from the group discussions from all students in both classes

Post-Engagement Report

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall.

Engagement Activity Summary

Activity:	
Activity Date	November 12, 2024
Organization/group name	Semiahmoo Secondary – "Earthworks" Environment Club
Time/Duration	35 minutes
Location	Semiahmoo Secondary
Format	Workshop
# of Participants	15
Summary of Promotions *(optional)*	

Participant feedback/Input	
Meeting Notes	
Include any notes from the engagement activities. These are "what was said" notes and should be as close to verbatim as possible. Use one bullet point per speaker (i.e., start a new bullet when a new person starts speaking.)	
Topic/Question Addressed	***What was said***
Q1 What do you see as the primary challenges or barriers that you face in trying to dispose of and/or recycle waste? For every barrier listed, try to think of an alternative or something that would make it easier for you to address that problem.	• Figuring out which bin to go in, end up throwing out in garbage (Solution: More education) • Not enough garbage bins, e.g. in parks • Inconvenience – Have to drive out to London Drugs etc. vs can easily trash it at home. Especially when you have just one item • Clothing – my family usually passes down clothes but it doesn't work for all families • Deciding what goes where. Surrey is strict; they notify you if you don't sort properly and won't pick up your trash again, so end up throwing it in the trash

Q2 What types of information would be most helpful for you in furthering your understanding of reducing and recycling waste properly? Do you have any questions about this topic that Metro Vancouver may be able to answer for you?	• Social media – we use it a lot more • Signs above bins, outside of school • An app that scans objects, tells you where to put waste • Would be nice if Metro Vancouver website had search engine for where to throw away items

Q3 What are some ways to engage with Metro Vancouver residents, especially high school students, on the issue of waste reduction and recycling?	• Door to door flyers (even though many times they're ignored)
	• Access to a direct source who can speak to these things and students can ask questions
	• Presentations at school, done for all classes to spread the word. Since students are "forced" to be here
	• Garbage sorting duty, rotated through the classes at school
	• More high school workshops. Add on activities to make it fun
	• Elementary school students are impressionable, start there
	  ○ *Note: I followed up to ask students for their memories and impressions of learning about waste in elementary school and this is what they said:*
	  ▪ "We used to have to take trash home and were not allowed to throw out anything at school"
	  ▪ "We didn't talk a lot about how to sort or reduce waste in elementary school"
	  ▪ Remember having a box just for recycling sharpies; There was only one teacher who was the champion for reducing waste at school. Need more educators to champion for these things.

Questionnaire Results	
If you have conducted a questionnaire, please include a summary of the results here. N/A	
Efforts to Reduce Barriers to Participation (Optional)	

Description of efforts made to reduce barriers to participation for underrepresented or equity-denied populations (if applicable).

The workshop was held during school hours at the environment club's weekly meeting, so that youth were able to participate easily without any barriers.

Using the toolkit provided by MV, I tailored some of the questions for the students to make it more relevant and engaging for youth, as opposed to a general adult audience. The warm-up question was changed to a brainstorming and discussion activity, where youth were asked to think back to a time when they had to dispose of something but didn't know where or how. The purpose of this exercise is to help youth understand how the solid waste management plan impacts their daily lives, the barriers that they/their families face in reducing contamination, and to prompt them to start thinking of possible solutions.

Participants Feedback (engagement evaluation)

Summary of written feedback from participants on how the engagement activity went (attach evaluation feedback as appendix)

Attached is the evaluation feedback from the teacher who hosted this workshop. It was not possible to get written evaluation feedback from each student. Overall, the teacher found the workshop worthwhile and engaging. The teacher would have preferred to have more information and concrete examples of what students can do to get involved in the issue of waste during the presentation. If Metro Vancouver plans on hosting future engagement with students, clear call-to-actions specific to the youth audience could be added to the toolkit and/or presentation.

Narrative Summary (Your brief reflections on the engagement)

Goals and objectives	*Outline the initial goals and objectives of the engagement activity.* The goals were: • To get youth input and ideas on how to increase participation and reduce contamination in recycling and organics programs • To engage high school students on the topic of waste and help them feel empowered to have a say in their community • To assist Metro Vancouver in reaching youth, a key demographic that is traditionally overlooked in sustainability planning and initiatives
Results achieved	*Summary of results, key outcomes, and how they align with the initial goals.* Overall facilitator notes on the workshop: • The SWMP focus area chosen for the students was "increasing participation and reducing contamination in organics and recycling programs". • The Metro Vancouver backgrounder and informational handout was sent out to all students beforehand.

	• The club was polled informally with a show of hands on their knowledge of Metro Vancouver at the beginning of the workshop. On average, students rated their knowledge as 2.5, on a scale of 1 (*never heard of MV before*) to 5 (*I know about everything that MV does)*. • Students in the environment club are likely to be more keenly interested in the topic and have more specific feedback compared to the general youth population. • If there were more time/resources, it would have been interesting to get student input into other focus areas, such as how to reduce and prevent waste in the first place, as this group seemed to have a lot to say about the topic of waste. • At the end of the workshop, several resources were shared with students, including: o Surrey Rethink Waste website & app o Central Surrey Recycling and Waste Centre o Surrey Repair Cafés o Metro Vancouver Youth and Education Advisory Panel opportunity o zerowaste@metrovancouver.org for additional comments, feedback, questions o Metro Van SWMP Update website Overall, I heard from students that while they are aware of how to recycle and compost most items properly, they felt that there was a lack of knowledge and infrastructure on recycling more "complicated" items such as soft plastics, Styrofoam, clothing, and mixed materials. Students mentioned a lack of recycling bins in spaces that they frequent, such as parks. They would like to know where to find a reliable source of information if they run into questions of where to dispose of something. Students emphasized the importance of using the school system to reach their peers with information about waste, and mentioned that they enjoy in-person workshops and activities that are engaging and fun, and prefer to hear directly from someone working on these issues so that they can ask questions. Through this workshop, students were able to increase their awareness of Metro Vancouver and its role in managing waste in the region.
Challenges and issues addressed	*Description of any challenges faced, and significant issues addressed during the engagement.* No major challenges came up during the engagement. The only challenge was with timing, as 35 minutes was limited and the discussion could have been longer. However, sufficient feedback was received from the students.
General feedback	*Overview of general feedback received from participants about the engagement activity itself. (Very brief)*

	Verbal feedback from the teacher and students at the end of the workshop indicated that they enjoyed the workshop and that they were glad that Metro Vancouver was engaging students on this important issue.

Appendix

Below is the evaluation form from the teacher sponsor of the environment club.

Metro Vancouver Solid Waste Management Plan Update - Idea Generation

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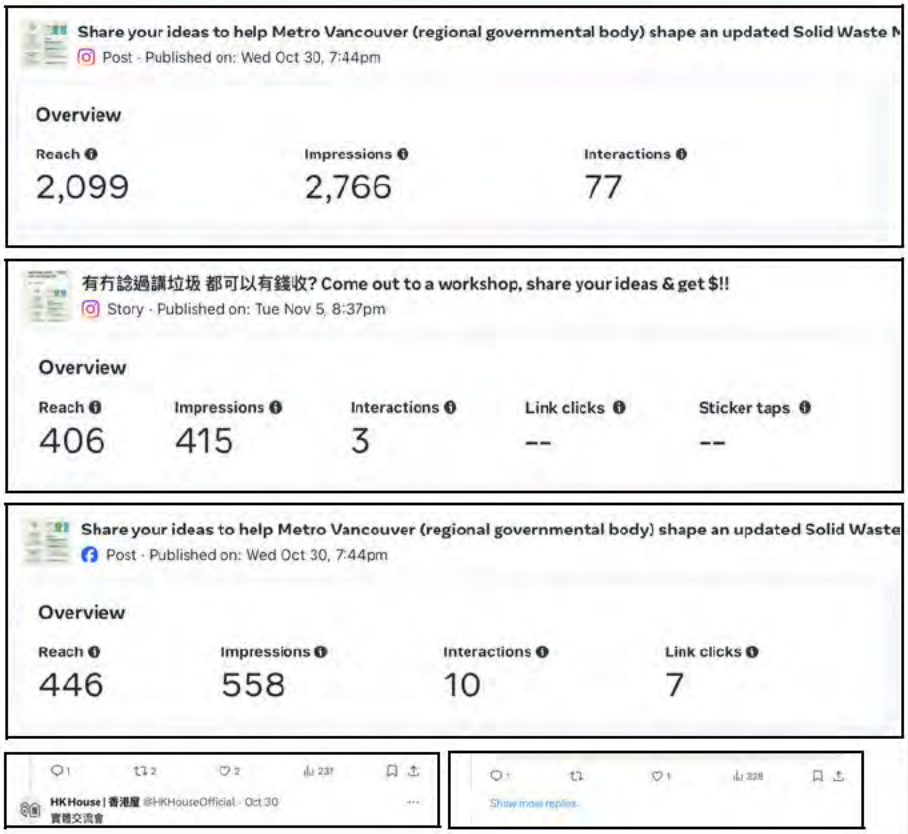
Engagement Activity Summary

Activity:	
Activity Date	Virtual session: November 14, 2024 In-person session: November 17, 2024
Organization/group name	Hong Kong House Cultural Society, operating as HK House
Time/Duration	Virtual session: ● November 14, 2024 | 8:00 - 9:30PM (1.5hr) In-person session: ● November 17, 2024 | 2:00 - 3:30PM (1.5hr)
Location	Virtual session: ● Online on Google Meet In-person session: ● In-person at Tommy Douglas Burnaby Public Library, Community Room 1
Format	Virtual session: ● A workshop with large group discussions, breakout groups, interactive google documents In-person session: ● A workshop with large group discussions, world cafe small groups, interactive post-its and large papers, and an online google doc For both groups, we sent a survey to ask which topics they'd be interested in discussing, and we selected topics that had the highest interest. We also sent the translated backgrounders and information sheets to participants beforehand.
# of Participants	Virtual session: ● Registered: 22 ● Attended: 17 In-person session: ● Registered: 25 ● Attended: 19
Summary of Promotions *(optional)*	We posted on: ● Social media - Instagram, Instagram stories, Facebook, Twitter ● Once in our community telegram group ● Once in our community email All these efforts reached a total of over 3600+ people.



Participant feedback/Input

Virtual Session Meeting Notes

Topic of Focus: Promote confidence in recycling systems

"What was said notes" is a huge 33-page document and can be found linked in the Appendix as the [redacted].

- What each person said or contributed was documented as a separate bullet point.
- It is near impossible to translate line-by-line, hence we have offered a summary of the responses below the bulleted text in both languages.
- The summary is listed below.

Topic/Question Addressed	*What was said*

Warm up: **What are the main actions you already take to eliminate waste?**	**Summary of discussion:**
	
	What are the main actions you already take to eliminate waste?
	• Shopping and Food Choices:
	  ○ Reduce shopping and avoid over-purchasing food or items with excessive packaging.
	  ○ Use thrift stores, Facebook Marketplace, and community swap groups to give and obtain secondhand items.

	○ Purchase refillable products and eco-friendly packaging options. ○ Utilize food-saving apps like "Too Good To Go." ● Reusable Items: ○ Bring shopping bags, eco-friendly lunch boxes, utensils, and cups. ○ Use personal containers for takeout. ● Recycling and Upcycling: ○ Sort and recycle paper, plastics, and soft materials properly. ○ Upcycle old clothing and DIY items like pet toys. ○ Reuse water (e.g., washing rice/vegetables) for watering plants. ● Donations and Libraries: ○ Donate items to thrift stores. ○ Borrow books or video games from libraries or buy eBooks instead of physical copies. ● Community Efforts: ○ Participate in local "free item" exchange platforms and initiatives where neighbors share usable items. ● Other Notes: ○ Recycling soft plastics and foam is easier at London Drugs compared to depots.
Today's Topic of Focus: Promote confidence in recycling systems **Question:** **As Metro Vancouver updates the plan, what ideas and actions can build on their success to promote confidence in recycling systems?**	**Summary of discussion:** Increase Transparency and Accountability: ● Ensure recyclables (especially plastics) are truly recycled and not exported to developing regions, avoiding pollution transfer. ● Share detailed metrics about recycling processes, including depot input and export data, through public dashboards and real-time updates. ● Provide a "waste journey map" to show the flow of recyclables, their destinations, and processing facilities, enabling accountability. Educational and Awareness Initiatives: ● Create videos and social media content explaining the recycling process and environmental impact of proper waste management. ● Establish public-friendly display points at recycling facilities (e.g., like WEEE Park in Hong Kong) to showcase operations. ● Organize events or tours of recycling centres for citizens, schools, and volunteers to raise awareness and trust. Highlight Success Stories: ● Showcase products made from recycled materials, including their origins and processes (e.g., Taiwan's model for recycled textiles). ● Increase exposure of recycling facilities that produce new products from waste to demonstrate tangible benefits.

	Strengthen Oversight: ● Form citizen watchdog groups to monitor recycling processes and improve public confidence. ● Regularly update citizens with feedback mechanisms and educational visualizations to maintain transparency. Engage Stakeholders and Corporates: ● Partner with retailers to create and showcase sustainable initiatives using recycled materials. ● Utilize corporate collaboration to drive accountability and innovation in recycling practices.
Identifying Barriers and Key Challenges **Question:** **What do you see as the primary challenges or barriers we face in promoting confidence in recycling systems? What could Metro Vancouver do to address these challenges?**	**Summary of discussion:** Primary Challenges and Barriers: ● Governmental Coordination and Bureaucracy: ○ Poor collaboration between municipal, provincial, and federal levels decreases system efficiency. ● Limited Accessibility and Infrastructure: ○ Inadequate infrastructure for waste management, including a lack of recycling depots and composting centers. ○ Recycling depots are often inaccessible and require long travel distances. ● Public Awareness and Education: ○ Confusion about waste sorting, such as compostable bags and solid waste categories. ○ Inconsistent recycling practices across cities and supermarkets create additional challenges. ○ Newcomers and diverse populations struggle with waste disposal systems due to lack of multilingual education materials. ○ Civic education is insufficient and does not reach communities effectively. ● Enforcement and Compliance: ○ Lack of enforcement measures like CCTV to ensure proper recycling behaviors. ○ Honor systems are less effective in diverse communities without clear consequences. ● Transparency and Communication: ○ Lack of accessible information about recycling processes and the journey of waste. ○ Minimal coverage of recycling-related news and updates on social media, leaving residents uninformed. ● Lack of Incentives: ○ Recycling systems are not engaging or rewarding enough to encourage participation. ● Specialized Waste Management Issues:

	○ Difficulties in disposing of electronics, appliances, and beauty packaging. ○ Residents often find it easier to discard such items into garbage due to depot inconvenience. ● Environmental Risks: ○ Illegal dumping of waste in unauthorized areas, causing pollution and public health risks. Proposed Solutions: ● Enhance Coordination and Infrastructure: ○ Streamline collaboration between government levels to ensure policy alignment. ○ Increase the number and accessibility of recycling depots, especially in high-traffic areas. ● Expand Education and Awareness Campaigns: ○ Develop multilingual guides and visuals tailored to diverse communities, including newcomers. ○ Implement workshops and civic education for both adults and students. ○ Use gamification apps to incentivize recycling by offering points and redeemable rewards. ● Ensure Consistency and Transparency: ○ Align recycling practices across all Metro Vancouver cities and supermarkets. ○ Create a public dashboard to provide real-time updates on recycling processes and achievements. ● Introduce Enforcement Measures: ○ Use CCTV or other enforcement tools to deter non-compliance. ○ Introduce waste diversion KPIs for local councillors to drive motivation and accountability. ● Promote Accessibility for Special Waste: ○ Simplify disposal processes for electronics and appliances by enhancing depot sorting systems. ○ Offer mobile recycling units for hard-to-reach communities. ● Highlight Recycling Benefits and Best Practices: ○ Recognize businesses with sustainable practices using a rating system (e.g., badges). ○ Promote examples of products made from recycled materials to show tangible benefits. ● Reduce Illegal Dumping: ○ Increase monitoring and penalties for illegal dumping while promoting accessible disposal options.
Collaboration Opportunities	**Summary of discussion:** Collaboration Opportunities: ● Community-Based Incentives and Recognition:

Question: **In what ways could Metro Vancouver collaborate with others to more effectively promote confidence in recycling systems?**	○ Establish recognition programs for neighborhoods or households demonstrating commitment to waste reduction through friendly competitions. ○ Develop a zero-waste business certification program to acknowledge businesses minimizing waste, offering promotional support through Metro Vancouver channels. ○ Collaborate with residential complexes to create incentive programs that improve recycling accessibility and participation. ● Integration into Daily Lives: ○ Partner with transit systems (e.g., SkyTrain) to integrate recycling practices into public spaces for convenience. ○ Promote and improve accessibility to recycling apps like "VanCollect" to help residents sort and locate proper recycling bins easily. ● Collaborate with Local Businesses: ○ Work with local recycling companies to build trust and improve recycling accessibility. ○ Encourage supermarkets to revive collection points for recyclables, similar to pre-COVID practices. ○ Partner with green businesses to handle heavy recyclables, such as furniture, or promote reusable packaging like plastic boxes for pastries instead of mixed materials. ● Industrial Symbiosis Initiatives: ○ Facilitate collaborations between industries to reuse by-products and waste materials as resources, reducing costs and environmental impact. ○ Promote eco-industrial parks and government policies that support resource sharing and sustainable practices. ● Collaborations with Educational Institutions: ○ Work with universities (e.g., UBC, SFU) and schools to incorporate waste management education. ○ Organize visits to recycling centres and landfills to help students and the public understand the recycling process and benefits. ● Event and Festival Partnerships: ○ Collaborate with festivals and events to provide reusable utensils for rent and return. ○ Encourage restaurants and events to reduce waste by adopting similar practices. ● Cultural and Creative Initiatives: ○ Partner with artists to create innovative and creative products from recycled materials, making recycling more fun and engaging. ● Public-Private Collaboration for Packaging Solutions:

	○ Work with supermarkets, stores, and producers to minimize and standardize packaging, making it easier for citizens to recycle. ○ Promote the use of recyclable materials for packaging, such as plastic over styrofoam for meat and paper over plastic for bakery items. ● Support for Newcomers: ○ Collaborate with immigration departments and newcomer organizations to host events and workshops on recycling systems tailored to diverse communities.
Wins **Question: Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of promoting confidence in recycling systems?**	**Summary of discussion:** Current System Successes: ● Accessible Recycling Facilities in Residential Areas: ○ Condos and apartments generally provide adequate recycling facilities with sufficient categories. ● Monitoring and Enforcement: ○ Some condos have monitoring systems and fines for improper sorting. These measures encourage proper recycling practices and foster trust in the system. ● Financial Incentives for Beverage Containers: ○ Deposit return programs for drink containers effectively motivate people to recycle, even when the containers do not belong to them. ● Clear Labelling on Recycling Bins: ○ Compared to other regions (e.g., the U.S.), bins in Metro Vancouver have clear labels, bullet points, and images to help residents sort waste correctly.
Knowledge Gaps and Communications **Questions:** **What types of information would be most helpful for you in furthering your understanding of [promote confidence in recycling systems]? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?** **What are some ways to engage with Metro Vancouver residents on**	**Summary of discussion:** Information Needs: ● Transparency on Recycling Processes: ○ Clear information on what happens to waste from collection to processing, and where it ends up. ○ Details on whether recycling is processed locally or sent abroad, and how the quality of recycling is maintained. ○ Data on Metro Vancouver's performance in recycling compared to other regions. ● Accessible Educational Materials: ○ Booklets or leaflets available at libraries and community centres. ○ Simple, unified posters explaining recycling systems for newcomers and residents like during COVID. ○ Public dashboards or real-time updates on recycling progress to build trust. ● Technological and Operational Insights: ○ Information about technologies and methods used in sorting and processing recyclables.

[promote confidence in recycling systems]?	○ Examples of innovative recycling practices and methods. ● Recycling Standards and Tips: ○ Consistent and simplified guidelines across all cities in Metro Vancouver. ○ Detailed packaging information indicating recyclability. ○ Tips for reducing waste in everyday activities like cooking. Engagement Strategies: ● Community Outreach and Workshops: ○ Hold workshops at workplaces, libraries, and community centres. ○ Host community forums at public libraries to engage diverse groups. ● Partnerships and Collaboration: ○ Partner with influencers and content creators on platforms like YouTube, Instagram, and Spotify. ○ Collaborate with diverse communities, schools, and artists to create culturally relevant content and products. ○ Work with local housing and condo boards to display mandatory posters and materials. ● Promotions and Incentives: ○ Introduce gamified apps to make recycling fun (e.g., sorting games with rewards). ○ Provide small incentives like discounts, prizes, or tax reductions for recycling efforts. ○ Expand the deposit return system to other materials and offer greater financial rewards. ● Advertising and Awareness Campaigns: ○ Use public transit platforms, social media, and public spaces to advertise recycling programs and apps like "VanCollect." ○ Create memorable slogans and visuals (e.g., “Yellow for cans, Blue for paper, Brown for bottles”) to aid recycling education. ● Simplify the System: ○ Make the recycling system less complex for newcomers with straightforward materials like a “101” guide. ○ Standardize recycling practices across Metro Vancouver to reduce confusion.
Closing discussion **Questions: Is there anything else you’d like to add to the conversation on this topic?**	**Summary of discussion:** Additional Insights and Suggestions: 1. Focus on Waste Reduction Policies: ○ Recycling, particularly plastic recycling, is not a long-term solution. Advocate for stronger waste

	reduction initiatives, such as a Producer Responsibility System (PRS) and stricter policies on banning single-use plastics. 2. Food Waste Solutions: ○ Weekly green bin collection creates issues like odours, pests, and the need for delicate plastic bags. Consider: ■ Offering subsidies or allowances for individuals or buildings to purchase/share food waste processors. ■ Enabling citizens to use processed food waste as fertilizer for gardens or local farms, reducing collection burdens. 3. Equity in Recycling Systems: ○ Highlight disparities between condos and houses: ■ Recycling in condos is more convenient than for houses, which face longer collection intervals (once or twice a week). ■ Advocate for standardized recycling systems across housing types. 4. Community-Based Initiatives: ○ Organize item exchange events to reduce waste generation and provide incentives for hosts and participants. ○ Host more inclusive community workshops and discussions like this, reaching diverse ethnic backgrounds through public forums or organizations like HKHouse.
In-Person Session Meeting Notes ***Topic of focus: Increase participation and reduce contamination in green bin and recycling program***	
"What was said notes" is a huge 35-page document and can be found linked in the Appendix as the [redacted] ● What each person said or contributed on post-its were documented as a separate bullet point. ● It is near impossible to translate line-by-line, hence we have offered a summary of the responses below the bulleted text in both languages. ● The summary is listed below.	
Topic/Question Addressed	***What was said***
***Warm up:* What are the main actions you already take to eliminate waste?**	**Summary of discussion:** Question: What are the main actions you already take to eliminate waste? ● Reuse and Reduce: ○ Bring reusable items like shopping bags, lunch boxes, utensils, and water bottles.

	○ Use refillable products instead of buying new ones. ○ Minimize the purchase of single-use items like saran wrap or garbage bags by repurposing existing items. ○ Avoid Christmas gift wrapping or use minimal packaging. ● Waste Reduction in Daily Practices: ○ Reduce online shopping and takeaway orders to avoid excess packaging. ○ Save and reuse food waste as fertilizer. ○ Use rechargeable batteries and digital versions instead of printed copies. ○ Plan purchases carefully, buying only what is necessary. ● Sustainable Food Practices: ○ Reduce food waste by storing it better and consuming items near expiry. ○ Choose vegetarian or whole-food diets to lower environmental impact. ○ Bring personal containers for dining out to reduce leftovers and packaging. ● Community and Sharing: ○ Borrow tools or items from friends instead of buying new ones. ○ Repurpose and extend the life of items by reselling, donating, or gifting them. ● Recycling and Composting: ○ Recycle diligently, including plastics, Ziploc bags, and chip bags. ○ Compost food waste to create fertilizer for personal or community use. ○ Practice home sorting for better recycling efficiency.
Today's Topic of Focus: Increase participation and reduce contamination in green bin and recycling programs **Question:** **As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs?**	**Summary of discussion:** As Metro Vancouver updates the plan, what ideas and actions can build on their success to increase participation and reduce contamination in green bins and programs? ● Educational Initiatives: ○ Start education from primary school to build lifelong habits and knowledge. ○ Teach the importance of reducing and reusing, not just recycling, to minimize waste. ○ Educate property management (e.g., strata), businesses, and organizations to provide consistent, correct recycling information to the public. ○ Use culturally relevant messaging to reach diverse communities (e.g., framing sustainable practices as cost-saving for Hong Kongers). ● Improving Clarity and Transparency:

	○ Provide clear, consistent guidelines on what can and cannot be recycled. ○ Address discrepancies between recycling centres, municipalities, and businesses regarding what is accepted. ○ Make the recycling system more transparent, showing where waste goes and how it's processed. ● Ease of Access and Convenience: ○ Simplify the recycling process by standardizing bins, composting rules, and product labeling. ○ Introduce barcodes or QR codes on products to indicate recycling instructions. ○ Expand the number of recycling depots and make them more user-friendly, clean, and safe. ○ Partner with supermarkets to allow bottle returns and offer coupons as incentives. ● Incentives and Engagement: ○ Create incentive programs for recycling, such as supermarket discounts, coupons, or cost reductions for consistent recyclers. ○ Increase costs for garbage disposal to encourage recycling and proper sorting. ○ Gamify recycling through apps or programs that reward participation and good practices. ● Addressing Miscommunication and Barriers: ○ Clarify rules around compostable bags and kitchen waste; many are confused about their acceptability. ○ Ensure consistent messaging across all levels, from strata to recycling depots, so residents have accurate information. ○ Reduce barriers caused by the complexity of recycling processes and user experience issues. ● Social Media and Public Awareness: ○ Leverage social media and age-appropriate platforms to promote recycling awareness. ○ Use campaigns that highlight the consequences of poor recycling practices to create urgency. ○ Encourage staff and businesses to set better examples and follow proper recycling practices.
Identifying Barriers and Key Challenges **Question:** **What do you see as the primary challenges or barriers we face in to increase participation and**	**Summary of discussion:** Challenges and Barriers: ● Lack of Clear and Accessible Information: ○ Recycling instructions are unclear or inconsistent, especially for newcomers. ○ Many products lack clear labeling on recyclability, leaving people unsure where items should go.

reduce contamination in green bin and recycling programs? What could Metro Vancouver do to address these challenges?	○ Recycling information is not centralized, and each strata or location provides different instructions. ○ Online education is available but not easily accessible or culturally relevant to all communities. ● Inconvenience in Accessing Recycling Facilities: ○ Recycling depots are far away and inconvenient, and many residents are unaware of locations like London Drugs that accept certain items. ○ Green bins and Return-It depots are insufficiently located and often poorly maintained. ● Hygiene Issues and Cost Barriers: ○ Green bins are often dirty and smelly, discouraging people from using them. ○ The cost of purchasing compostable bags and managing organic waste adds financial strain. ● Inconsistencies Across Municipalities: ○ Different municipalities and facilities accept different items, creating confusion. ○ Rules and definitions for solid waste and recycling vary significantly, leading to contamination and improper disposal. ● Lack of Enforcement and Incentives: ○ No enforcement mechanisms are in place to ensure compliance with recycling rules. ○ Incentives are insufficient to encourage the use of environmentally friendly products or proper waste sorting. ● Low Civic Awareness and Education: ○ Many people, including younger generations, lack awareness about the importance of recycling and reducing contamination. ○ Insufficient education on composting, especially for those concerned about odors and storage issues. ● Packaging Design Issues: ○ Product packaging is not designed for easy recycling, adding complexity for consumers. Proposed Solutions: ● Improve Information Clarity and Accessibility: ○ Use consistent and centralized guidelines for recycling and composting across all municipalities. ○ Print clear recycling instructions (e.g., barcodes or QR codes) on packaging. ○ Provide multilingual, culturally relevant education materials and campaigns. ● Enhance Convenience: ○ Increase the number of recycling depots, green bin locations, and Return-It facilities in easily accessible areas.

	○ Partner with businesses to offer drop-off points or incentives for proper recycling. ● Address Hygiene and Cost Issues: ○ Provide residents with clean, functional green bins and approved liners to reduce confusion and costs. ○ Add features like pedal-operated lids to improve usability for seniors and reduce contact with dirty bins. ○ Educate residents on odor management and composting techniques. ● Promote Consistency Across Municipalities: ○ Standardize recycling and solid waste disposal rules across municipalities to simplify the process. ○ Implement consistent protocols for large-item disposal to prevent illegal dumping. ● Introduce Enforcement and Incentives: ○ Introduce enforcement mechanisms like fines for contamination and rewards for proper sorting. ○ Offer financial incentives for buying eco-friendly products or participating in recycling programs. ● Increase Public Awareness: ○ Leverage social media, building posters, and strata communication to educate the public. ○ Host workshops, particularly for newcomers, to build understanding of the recycling system. ○ Focus on education in schools to instill civic awareness from a young age. ● Improve Product and Packaging Design: ○ Collaborate with businesses to design recyclable and minimal packaging. ○ Provide discounts for using reusable cups, containers, or other sustainable packaging.
Collaboration Opportunities **Question:** **In what ways could Metro Vancouver collaborate with others to more increase participation and reduce contamination in green bin and recycling programs?**	**Summary of discussion:** Collaboration Opportunities: ● Partnerships with Community Organizations: ○ Collaborate with newcomer organizations (e.g., IRCC, HK House, SUCCESS) to provide culturally specific education and awareness programs. ○ Partner with local community centres, neighbourhood houses, and schools to host workshops, recycling days, and competitions. ○ Set up booths at community events and festivals (e.g., Pride Parade, Greek Festival, Christmas Market) to engage residents. ● Engagement with Schools and Educational Institutions:

	○ Work with schools to integrate recycling education into the curriculum, ensuring consistent learning for students from Grades 1-9. ○ Organize school-wide recycling or zero-waste days to teach students hands-on practices. ○ Partner with universities and colleges to host sustainability campaigns or events. ● Collaborations with Businesses and Brands: ○ Partner with major brands (e.g., Lululemon, Starbucks) to offer incentives like discounts or coupons for recycling, reusing, or reducing waste. ○ Work with local merchants to enforce ESG (Environmental, Social, and Governance) efforts, such as promoting reusable cups or clothing donations. ○ Create business ecosystems for reusing waste materials (e.g., unsellable BC farm products going to food banks instead of landfill). ● Advertising and Outreach: ○ Increase advertisements in accessible locations (e.g., malls, transit stations) and social media to share clear recycling instructions. ○ Reach out to community chat groups (e.g., Champlain Chat, Nextdoor) and Facebook groups to disseminate information. ○ Use influencers, KOLs (Key Opinion Leaders), and celebrities to promote recycling and turn sustainability into a social trend. ● Unified Policies and Accessibility Improvements: ○ Standardize recycling policies across all cities in Metro Vancouver to eliminate confusion. ○ Introduce mobile recycling stations for easier disposal of large items. ○ Partner with local businesses to create convenient recycling drop-off points. ● Incentives and Enforcement: ○ Provide financial incentives or coupons for participating in recycling programs. ○ Impose fines for improper recycling or contamination to encourage better practices. ● Culturally Specific Engagement: ○ Tailor communication and outreach to cultural values, ensuring information is linguistically and contextually appropriate. ○ Leverage festivals or events specific to cultural communities to spread awareness. ● Second Harvest and Food Waste Collaboration:

	○ Partner with organizations like Second Harvest and foodwaste.ca to redistribute surplus food to community kitchens, reducing food waste.
Knowledge Gaps and Communications **Questions:** **What types of information would be most helpful for you in furthering your understanding of increasing participation and reducing contamination in green bin and recycling programs ? Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?** **What are some ways to engage with Metro Vancouver residents on increasing participation and reduce contamination in green bin and recycling programs?**	**Summary of discussion:** Information Needs: ● Clarity and Transparency: ○ Provide clear, simple instructions for recycling and green bin use, especially for newcomers and non-native speakers. ○ Increase transparency about where recycling fees and eco-fees are spent and how they impact the environment. ○ Share examples of infractions and their consequences, helping residents understand the importance of proper recycling practices. ● Visualizing the Impact: ○ Use visual tools and media (e.g., showing the life cycle of reduce-reuse-recycle) to make the benefits of waste reduction more tangible. ○ Highlight long-term consequences of not recycling through compelling visuals, like ocean pollution from plastics. ● Broader Scope of Education: ○ Provide detailed instructions about less common recyclable items, not just bottles for Return-It depots. ○ Educate on composting options, including technologies like "Lomi" for home use. ● Cultural and Contextual Relevance: ○ Include recycling education in newcomer workshops and resources. ○ Make content culturally relevant and provide targeted messaging for different demographic groups. Engagement Strategies: ● Early Education: ○ Start teaching children about recycling and waste reduction at daycare and preschool levels with fun slogans and simple systems. ○ Organize school field trips to recycling centres and green bin facilities for hands-on learning. ● Community Outreach and Partnerships: ○ Partner with schools, community organizations, and newcomer services to integrate recycling education into existing programs. ○ Collaborate with festivals, local events, and volunteer activities to promote waste reduction and proper recycling practices.

	● Use of Media and Influencers: ○ Partner with KOLs (Key Opinion Leaders), YouTubers, and celebrities to promote reduce-reuse-recycle messages and green bin use. ○ Leverage social media algorithms to target specific audiences with educational and promotional content. ● Incentives and Accessibility: ○ Offer subsidies for eco-friendly practices, such as purchasing composting equipment or participating in recycling programs. ○ Improve the aesthetics and accessibility of Return-It depots and green bins to encourage usage. ● Integrate into Daily Processes: ○ Provide recycling and green bin instructions in newcomer welcome kits and workshops. ○ Ensure that waste reduction messaging is part of routine interactions, such as utility bills, online portals, or public announcements. ● Holistic Approach: ○ Highlight that recycling should be the last resort, focusing first on reducing and reusing. ○ Share success stories and case studies to inspire and motivate residents to take action.
Wins **Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of increasing participation and reducing contamination in green bin and recycling programs**	**Summary of discussion:** Key Successes in the Current System: ● Increased Awareness and Participation: ○ There has been notable progress in public awareness, with more residents actively recycling. ○ Frequent lineups at zero-waste centres indicate growing engagement. ○ Recycling has become part of the culture in Vancouver, with many residents understanding its importance. ● Economic Incentives: ○ Programs like Return-It, which offer monetary rewards for recycling, are effective motivators. ○ Awareness that some supermarkets accept recyclable items, though clarity can be improved. ● Helpful Infrastructure and Staff: ○ Recycling centres like those in Coquitlam have helpful staff and accept a wide variety of items, making recycling easier for residents. ● Engagement Opportunities: ○ Workshops and community engagement events like today's are valuable for fostering dialogue and gathering public input.

	○ Metro Vancouver's openness to feedback and willingness to host discussions is appreciated. ● Sustainable Practices Among Immigrant Communities: ○ Many Asian immigrants already practice sustainability as part of their lifestyle, such as reusing plastic bags and cookie trays or growing herbs, often framed as cost-saving measures. ○ These habits align with sustainable goals and contribute positively to waste reduction.
Closing discussion **Questions: Is there anything else you'd like to add to the conversation on this topic?**	This question was not discussed, and no additional feedback or suggestions were provided via post-its.
Virtual Session Participants Feedback (engagement evaluation)	
Participants were generally positive about the session's inclusivity, facilitation, and online format. Suggestions for improvement centered on session logistics, depth of engagement, and pre-session materials. In terms of the waste management plan, transparency, public education, and simplification emerged as critical areas for focus.	
In-Person Session Participants Feedback (engagement evaluation)	
Workshop feedback highlighted strengths in engagement, inclusive discussions, and convenient locations. Participants valued the structured format, use of tools like sticky notes, and opportunities to share in their mother tongue. However, many felt sessions were too short and suggested longer durations, better preparation materials, and improved resources like Wi-Fi. Recommendations included broader public engagement, targeted focus groups, enhanced education across demographics, and increased promotion via social media and TV.	
Narrative Summary (Your brief reflections on the engagement)	
Goals and objectives	Our primary goal for this engagement activity is to encourage greater participation from the Hong Konger, immigrant, and Cantonese diaspora communities in local civic engagement processes. Historically, these communities have been underrepresented in such consultations. We also aim to foster awareness and involvement in environmental issues that impact community well-being, ensuring their ideas and voices are recognized and valued.
Results achieved	We achieved our goal of fostering civic engagement by creating a space where participants were genuinely interested in the topics and actively shared their perspectives. The sessions were not only enjoyable but also highlighted barriers many face in accessing information and understanding

	the solid waste system. This feedback gives us a valuable opportunity to amplify their voices and work toward greater inclusion and awareness in environmental initiatives.
Challenges and issues addressed	To effectively reach our audience, we invested significant additional effort in translating and adapting materials to ensure accessibility. This included not only preparing workshop content to align with the preferences of our community but also translating all materials and the discussions that took place during the sessions. The time and effort required far exceeded what was reflected in the honoraria, underscoring the substantial work involved in creating an inclusive and meaningful experience for second-language and diaspora communities.
General feedback	Participants expressed appreciation for having a space where their voices could be heard, describing the experience as both meaningful and enjoyable. Many shared frustrations with the system, particularly as newcomers, citing challenges in accessing clear, intuitive, and transparent information. Several participants noted that the allotted time for discussions felt insufficient because they were deeply engaged in the conversations. They also expressed a desire for Metro Vancouver to play a more visible role in their daily lives, emphasizing the need for improved communication about the utilities and services provided. Many pointed out that current outreach efforts often fail to reach them effectively.

METRO VANCOUVER SOLID WASTE MANAGEMENT PLAN ENGAGEMENT SESSION REPORT – OCTOBER 26, 2024

Activity Information

Activity Date – Saturday, October 26 2024
Organization Name – Ocean Wise
Time – 10am – 1pm
Location – Cates Park, North Vancouver
Format – Focus Group / Shoreline Cleanup
Participants Registered – 9
Actual Participants – 8
Summary of Promotion – Shared the clean up details through social media, including paid ads.

Participant Feedback / Input

Discussion Questions: Notes

Warm up: How do we eliminate waste?

I.	Reuse and use of Facebook marketplace and habitat for humanity and urban repurpose. Although sometimes they do not accept certain items.
II.	Going to Bulk Barn.
III.	Works offices and encouraging to bring own cutlery.

1. What do you see as the primary challenges or barriers we face in addressing waste reduction?

1.	Leftover waste/garbage after shopping. Give packaging back to facilities for reuse.

2. More recycling and accessibility. Many people must go to the depot and not many folks want to do that.
3. We need packaging that has less plastic. We should use more paper.
4. Having to take packaging from workplace as an individual action.
5. Common recycling areas in condos and having it accessible to folks in this housing.
6. Soft plastic could get messy if we tried to incorporate in single dwellings.

2. What could Metro Vancouver do to address these challenges?

We need more regulation – example. straws & single use plastic.
Need for groups to educate folks. Immigrant exposure and need for education in new environments/processes.
Need for clarification in schools. Kids tend to put things in the wrong bins.
In school no one tells us where to put things and the pictures are confusing.

3. What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?

New Immigrant Groups could support in teaching newcomers about recycling.
Rotary clubs and lion's clubs. It would be good to have an ocean leader to explain to volunteers and educate them. Need for collaboration between community groups and service groups.

4. In what ways could Metro Vancouver collaborate with others to more effectively to advance waste reduction?

1. Government programs. Education on recycling and how environment works. Having a program to educate immigrants.

2. Guest speakers and presentations in schools on how to separate.
3. It would be good to have design in place for separating waste in buildings.
4. Guidelines change in different areas. Regulations are different in different cities which can be confusing.
5. Public, private, need for implementation for all municipalities.
6. Need to work with retailers.
7. You can bring bottles back to retailers. Some people do not know that.
8. Packaging at hot lunch in schools. Government to have say on packaging.
10. Some Schools have kids take trash home. Need for a system to support parents obtaining sustainable packaging.

5. Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of waste reduction? What is going well and could be expanded on?

1. Express bottle return system works well
2. Deposit and paid return system
3. Accessible containers placed around
4. Japan does a good job
5. Simple scheduling for different waste pick up
6. Incentives work well for individuals not companies
7. Curb side pick up works well

7. What types of information would be most helpful for you in furthering your understanding reduction? Meaning – do you have any questions about this topic that Metro Vancouver may be able to answer for you?

Campaign and signs for parks. Party décor and expectations for after parties. Waste removal metro van needs leadership and signs.

Narrative Summary (Your brief reflections on the engagement)

Goals and objectives

The goal of doing outreach coupled with a shoreline clean up was to get people thinking about the waste found on the shoreline, and how waste is managed in public, and then thinking about that in relation to waste reduction.

Results achieved

We ended up with a diverse set of 8 participants, including 2 children, approximately 50% men and 50% women, from different municipalities. During the shoreline cleanup portion, a variety of different materials were found, including food and beverage packaging and party supplies. This set a good baseline for the participants to think about the role that Metro Vancouver plays in the waste management system.

Challenges and issues addressed

Unfortunately there was a weather warning for wind and rain the night before the event, which may have kept some potential participants away. In the end, the weather was great for the event. There seemed to be generally some confusion about the role that Metro Vancouver plays in waste management, as some of the suggestions were more suited to the jurisdiction of the provincial or federal governments.

General feedback

Participants enjoyed the session and were happy to provide their ideas for the SWMP.

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B3K 4P6

Post-Engagement Report Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall.

Engagement Activity Summary

Activity:	
Activity Date	The event took place in person on Saturday, November 30, and virtually from December 5th-8th
Organization/group name	Mind Your Plastic
Time/Duration	Saturday, November 30: 11am-2pm Virtually: December 5th-8th
Location	In person: Pacific Centre, Vancouver Public Library, Adler University. Online: Community Facebook Groups (See Appendix A)
Format	In person surveys, virtual surveys
# of Participants	158
Summary of Promotions *(optional)*	We did not promote this, aside from sharing on Community Facebook groups (Groups are listed in Appendix A)

Participant feedback/Input	
Meeting Notes	
Include any notes from the engagement activities. These are "what was said" notes and should be as close to verbatim as possible. Use one bullet point per speaker (i.e., start a new bullet when a new person starts speaking.)	
Topic/Question Addressed	***What was said***
Q1: **How often do you do the following to reduce waste?** [Always, often, sometimes, rarely,	**The behaviours that ranked as most popular (Always, Often) amongst respondents were:**

never, don't know/not applicable] **(Randomize items)** ● Bring your own reusable cup, dishes, or utensils for takeout ● Reuse or repurpose items rather than dispose of them (wrapping paper, food containers, plant pots, etc.) ● Repair items yourself, bring items to municipal repair cafes, or pay to have them repaired rather than dispose of them ● Buy or trade second-hand items ● Pass down or donate unwanted clothes, or participate in clothing swaps ● Compost organic waste including food scraps and yard trimmings (e.g. backyard composting or green bin pick-up) ● Meal plan to avoid food waste ● Bring your own reusable shopping bags	1. 93.7% - Compost organic waste including food scraps and yard trimmings (e.g. backyard composting or green bin pick-up) 2. 84.1% - Meal plan to avoid food waste 3. 75.8% - Bring your own reusable shopping bags 4. 75.8% - Reuse or repurpose items rather than dispose of them (wrapping paper, food containers, plant pots, etc.) **The behaviours that ranked as least popular (Rarely, Never) amongst respondents were:** 1. 42.7% - Bring your own reusable cup, dishes, or utensils for takeout 2. 20.3% - Repair items yourself, bring items to municipal repair cafes, or pay to have them repaired rather than dispose of them 3. 20.3% - Buy or trade second-hand items The results can be further broken down below: ● ***Top 3 Rankings for Always:*** 1. 74.7% - Meal plan to avoid food waste 2. 63.3% - Compost organic waste including food scraps and yard trimmings (e.g. backyard composting or green bin pick-up) 3. 41.4% - Bring your own reusable shopping bags ● ***Top 3 Rankings for Often:***

	1. 46.5% - Reuse or repurpose items rather than dispose of them (wrapping paper, food containers, plant pots, etc.) 2. 44.3% - Pass down or donate unwanted clothes, or participate in clothing swaps 3. 34.2% - Bring your own reusable shopping bags 4. 34.2% - Buy or trade second-hand items 5. 34.2% Repair items yourself, bring items to municipal repair cafes, or pay to have them repaired rather than dispose of ● ***Top 3 Rankings for Sometimes:*** 1. 46.5% - Reuse or repurpose items rather than dispose of them (wrapping paper, food, containers, plant pots, etc.) 2. 32.3% - Bring your own reusable cup, dishes, or utensils for takeout 3. 28.5% - Buy or trade second-hand items 4. 28.5% - Repair items yourself, bring items to municipal repair cafes, or pay to have them repaired rather than dispose of them ● ***Top 3 Rankings for Rarely:*** 1. 21.5% - Bring your own reusable cup, dishes, or utensils for takeout 2. 12.7% - Repair items yourself, bring items to municipal repair cafes, or pay to have them repaired rather than dispose of them 3. 12.7% - Buy or trade second-hand items ● ***Top 3 Rankings for Never:*** 1. 21.5% - Bring your own reusable cup, dishes, or utensils for takeout

	2. 7.6% - Repair items yourself, bring items to municipal repair cafes, or pay to have them repaired rather than dispose of them 3. 7.6% - Buy or trade second-hand items
Is there anything else not listed here that you always or often do to reduce waste?	The key themes from respondents are listed below: ● **Reduce Consumption:** Buy only what is needed, limit impulse purchases, and avoid overpackaged products. ● **Reuse and Refill:** Use reusable items, opt for refillable products, and upcycle materials creatively. ● **Buy in Bulk:** Choose bulk shopping to minimize packaging waste. ● **Recycle Responsibly:** Recycle soft plastics, Styrofoam, and other materials at designated facilities. ● **Compost and Repurpose Food:** Compost at home and repurpose food scraps to reduce waste. ● **Advocate and Share:** Share items in the community, join reuse programs, and encourage businesses to reduce packaging. ● **Conserve Resources:** Practice energy and water-saving habits in daily life.
Q3: **How confident are you that the items you recycle are being recycled into new products instead of ending up in disposal? (i.e. garbage, landfill?** ● Very confident ● Mostly confident ● Neutral ● Slightly confident ● Not at all confident ● I don't know	Respondents were split on this question with an almost even distribution between Positive and Negative responses: ● 38.2% - Positive (Very and mostly confident) ● 37.6% - Negative (Slightly and not at all confident) ● 22.9% - Neutral ● 1.3% - I don't know

Q4: **To what extent do the potential barriers below prevent you and your household from participating more actively in waste reduction and recycling efforts?** ● Not a barrier ● Slight barrier ● Moderate barrier ● Significant barrier ● Don't know **(Randomize items)** **Potential Barriers:** ● Cultural or language barriers ● Not sure where to drop off recyclables ● Not enough information about reuse and repair options ● Low availability of products that use less packaging or reusable packaging ● Waste reduction and recycling is not a priority for me ● Not enough or overflowing recycling and green bins in multi-family residence ● Not feeling welcomed at facilities and recycling and waste drop-off points ● Time constraints ● Uncertainty about what materials are accepted for recycling in curbside pickup ● Safety and cleanliness at facilities or recycling and waste drop-off points	**The potential barriers that were identified as "Not a barrier" amongst the most respondents were:** 1. 87.9% - Cultural or language barriers 2. 87.2% - Waste reduction and recycling is not a priority for me 3. 73.2% - Not feeling welcomed at facilities and recycling and waste drop-off points 4. 73.2% - Not enough or overflowing recycling and green bins in multi-family residence **The potential barriers that were identified as having barriers, (Significant, Moderate and Slight) amongst the most respondents were:** 1. 85.4% - Low availability of products that use less packaging or reusable packaging 2. 72.5% - Not enough information about reuse and repair options 3. 66.8% - Safety and cleanliness at facilities or recycling and waste drop-off points 4. 57.3% - Uncertainty about what materials are accepted for recycling in curbside pickup

Q5: **Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?**	The key themes that were prevalent from respondents are: ● **Inaccessibility of Recycling Facilities** Challenges for individuals without vehicles or with mobility issues to access recycling depots or transfer stations. ● **Limited Multi-Family Recycling Options** Insufficient services for apartments or condos, including lack of curbside pickup for certain items like soft plastics and appliances. ● **Lack of Clarity and Confidence in Recycling Systems** Uncertainty about what happens to recycled items and frustration over contaminated bins reducing effectiveness. ● **Space and Storage Constraints** Difficulty storing recyclables in small living spaces until they can be dropped off. ● **Inconvenience and Complexity** Multiple locations for different materials, time-consuming processes, and insufficient centralized systems. ● **Cost Barriers** Higher costs for zero-waste products, repair services, and recycling supplies like compost bags. ● **Policy and Systemic Gaps** Desire for systemic changes, such as banning single-use plastics and offering comprehensive curbside recycling. ● **Community Participation Issues** Frustration with non-compliant neighbors and lack of incentives for proper waste sorting in shared living spaces. ● **Disabilities and Accessibility Concerns** Limited accommodations for individuals with disabilities at recycling facilities and within building systems. ● **Need for Clear Communication and Resources** Insufficient information on where and how to recycle items not accepted curbside.

Q6: **How well do you think current waste management programs and services work for everyone in the community?** ● They work very well for everyone ● They work well for most community members but not for everyone ● They only work well for some community members but are difficult to manage for most ● They do not work for the majority of community members ● Don't know	Most respondents felt positively about the current waste management programs with 65.8% selecting either *"They work very well for everyone"* (10.2%), and "*They work well for most community members but not everyone"* (55.4%). 28.3% of respondents selected "*They only work well for some community members but are difficult to manage for most"* (24.8%), and *"They do not work for the majority of community members"* (2.5%) 7.0% selected "Don't know"
Conditional question based on previous response *Q7:* **Which community members** do you think may be having a difficult time with the current programs and services?	Responses fell into the following categories (organized by most frequent-least frequent): ● Elderly ● Those without reliable transportation (lack of car, rely on transit) ● Disabled ● Immigrants/Newcomers ● Low Income ● Limited Time ● Unhoused ● Those living in multi residences ● Those living in rural or remote areas
Q8: **What can be done to make the programs and services more inclusive so that they work for everyone?**	Responses fell into the following categories (organized by most frequent-least frequent): ● Better Communication/Outreach ● Increased Items Allowed in Collection ● Residence Pick Up ● Better Bin Design and Accessibility ● More local drop off points ● Multi-Language Approach to Resources ● Hold Sellers/Manufacturers Accountable
Q9: **What should be Metro Vancouver's top priorities for the future when it comes to solid waste management? Please select your top two.**	The top 2 responses were:

● Reducing and preventing overall waste ● Delivering regional solid waste services in a cost effective way ● Using new technology and other forms of innovation to improve waste management ● Collaborating with governments and manufacturers to reduce packaging ● Developing new facilities or drop-off points for recycling, reusables, and waste ● Providing services that are easy to use for all residents ● Enhancing education programs and campaigns ● Lowering carbon emissions through new technology and practices ● Enhancing reuse and recycling opportunities at businesses and multi-family properties	1. Collaborating with governments and manufacturers to reduce packaging 2. Reducing and preventing overall waste
Q10: **Are there other priorities that Metro Vancouver should be considering that are not listed above?**	The common themes are listed below: ● **Corporate Accountability -** Tax corporations, mandate waste reduction programs, and promote circular economy practices. ● **Improved Infrastructure -** Expand public waste facilities, enhance recycling systems, and develop local markets for recycled materials. ● **Policy Enforcement -** Increase fines for improper disposal, incentivize reuse, and improve labeling for waste sorting. ● **Education and Community Engagement -** Promote early education, repair cafés, and community reuse initiatives. ● **Source Reduction -** Reduce packaging and overproduction of goods like fast fashion.

Q11: **Where do you live?**	• 51.6% - Vancouver • 12.1% - Port Moody • 10.8% - Burnaby
Q12: **How old are you?**	• 27.4% - 25 to 34 years • 22.9% % - 35-44 years • 15.3% - 45-54 years
Q13: **What type of home do you live in?**	• 49.7% - Apartment/Condo • 27.4% - Detached House • 15.3% - Townhouse
Q14: **What type of language is typically spoken in your home?**	• 87.3% - English • 2.5% - Punjabi • 1.9% - Mandarin • 1.9% - Cantonese

Engagement Questionnaire Results

If you have conducted a questionnaire, please include a summary of the results here. You are welcome to share the data results from your survey with Metro Vancouver for better feedback analysis.

See Appendix B for detailed results summary

Efforts to Reduce Barriers to Participation (Optional)

For the in person component, we attended a variety of locations to gather data from diverse groups, including the Vancouver Public Library, Adler University and Pacific Centre. With our digital outreach, we selected groups on Facebook that were local to Metro Vancouver but represented broad interests.

Participants Feedback (engagement evaluation)

n/a

Narrative Summary (Your brief reflections on the engagement)

Goals and objectives	Our goal was to gather valuable data for Metro Vancouver to help shape the Solid Waste Management Plan Update. We aimed to get diverse responses from as many people as possible.
Results achieved	We received 158 completed questionnaires ahead of our deadline (12/08). Some responses did come in after that date but were not included in the analysis.
Challenges and issues addressed	The in-person component was more challenging than anticipated. Initially, we hoped to do this at UBC, similar to last year, but their booking process

	was time consuming and confusing. This caused significant delays and ultimately was cancelled as a result. As a pivot, we decided to do something similar, but in more public places to diversify our audience. We felt that the locations we chose represented broad demographics of Metro Vancouver citizens. We were challenged with low participation, perhaps because of the time of year (Black Friday weekend, many folks were either tourists, or too busy). There were also some challenges that stemmed from MYP logistics, mainly the coordinator, Natasha, not being able to be there in person.
General feedback	The support provided from Metro Vancouver is incredible. The toolkits are detailed and provide everything we need. Brooke has been incredibly helpful in ensuring we have everything that we need to be successful.

Metro Vancouver Solid Waste Management Plan
Idea Generation

Collaborative Engagement
Final Report to Metro Vancouver

Introduction

The Recycling Council of British Columbia (RCBC) has partnered with Metro Vancouver in their collaborative engagement process to increase the reach of consultations taking place to inform the Idea Generation phase of the Solid Waste Management Plan update process. In order to do so, RCBC has sought to consult with RCBC Members in the non-profit and business/industry sectors that interact with and are impacted by solid waste management in the Metro Vancouver region, as well as residents who interact with RCBC Information Services (such as the BC Recycling Hotline, and RCBC website). This consultation has taken the form of a targeted survey, constructed to enable these stakeholders to provide feedback that is specific to their sectors and areas of work, and a general public survey for interested residents.

Survey Design

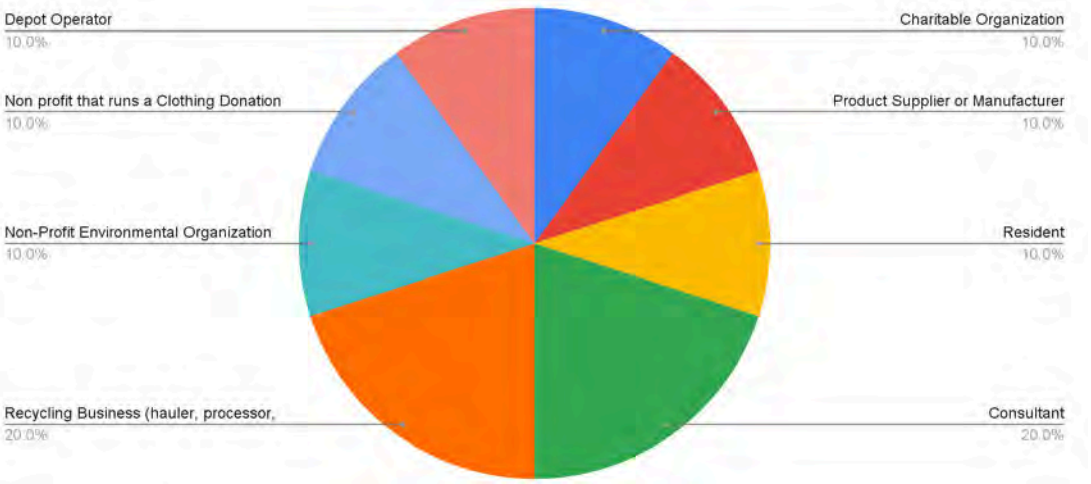
The surveys were developed based on the public survey materials provided by Metro Vancouver. For the RCBC Member survey, some questions were omitted or altered in order to ensure that they were relevant to the target member audience. The public survey was created as a duplicate of Metro Vancouver's public survey.

On November 13, 2024 the tailored survey was distributed to RCBC Member contacts in the Industry and Non-Profit sectors operating in the Metro Vancouver region, totaling 112 recipients. The survey closed on November 29, 2024, and reminders were sent both one week and one day prior to the close of the survey. Simultaneously, a public survey was conducted through RCBC's Information Services channels to reach members of the public who engage with RCBC programs and services. The link to the public survey was provided on the RCBC website, and also included in email responses to residents in the region at the discretion of RCBC Environmental Advisors.

The Member Survey received ten responses, a 66% increase from the 2023 survey in the Vision & Guiding Principles phase of engagement. The public survey received seven responses.

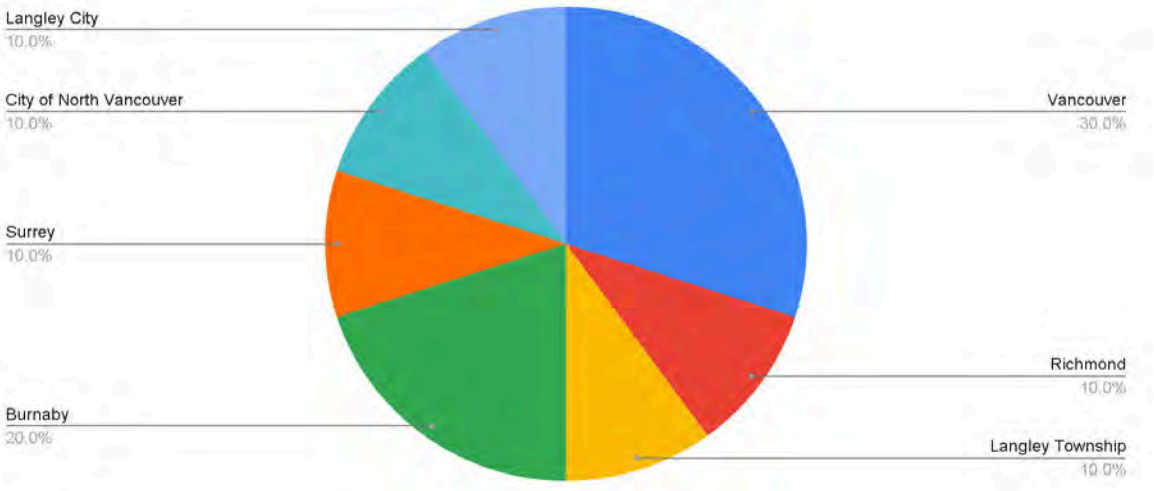
Member Survey Results

Member Survey respondents represented a wide range of organization types. Two identified themselves as Consultants, two as Recycling Businesses like haulers, one as a Product Supplier or Manufacturer, one as a Charitable Organization, one as a Resident, one as a Depot Operator, one as a Non-Profit Environmental Organization, and one as a Non-Profit organization operating clothing donation bins.



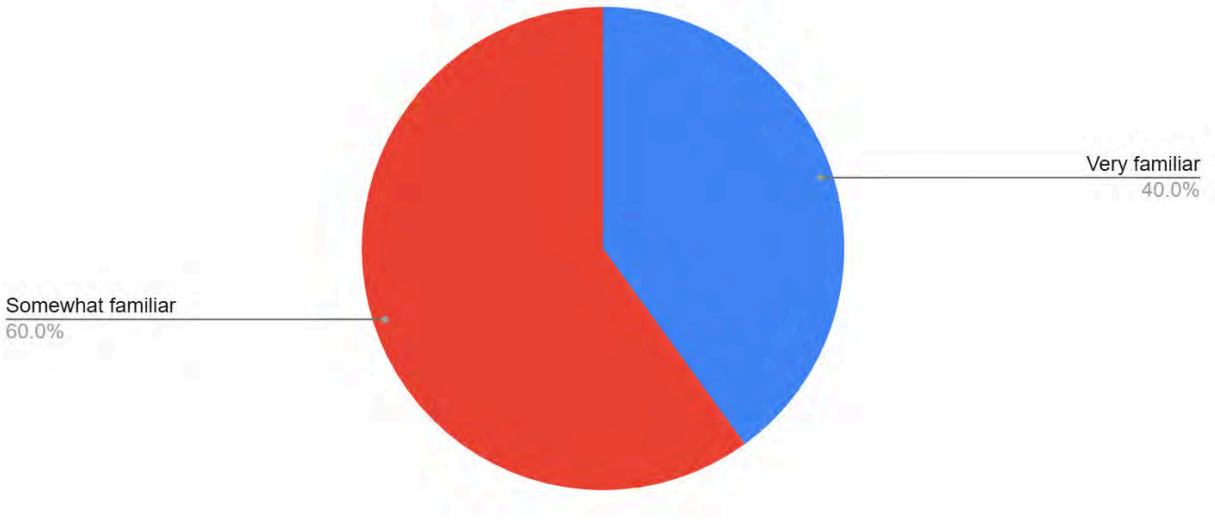
This represents a split of 60% for-profit enterprises, 30% non-profit or charitable organizations, and 10% residents.

Respondents were geographically distributed throughout the Region, with the largest share (30%) based in the City of Vancouver. Two respondents were located in Burnaby, and one in each of Richmond, Surrey, Langley City, Langley Township, and the City of North Vancouver. Of these respondents, eight of ten indicated that they also operate outside of the Metro Vancouver Region.



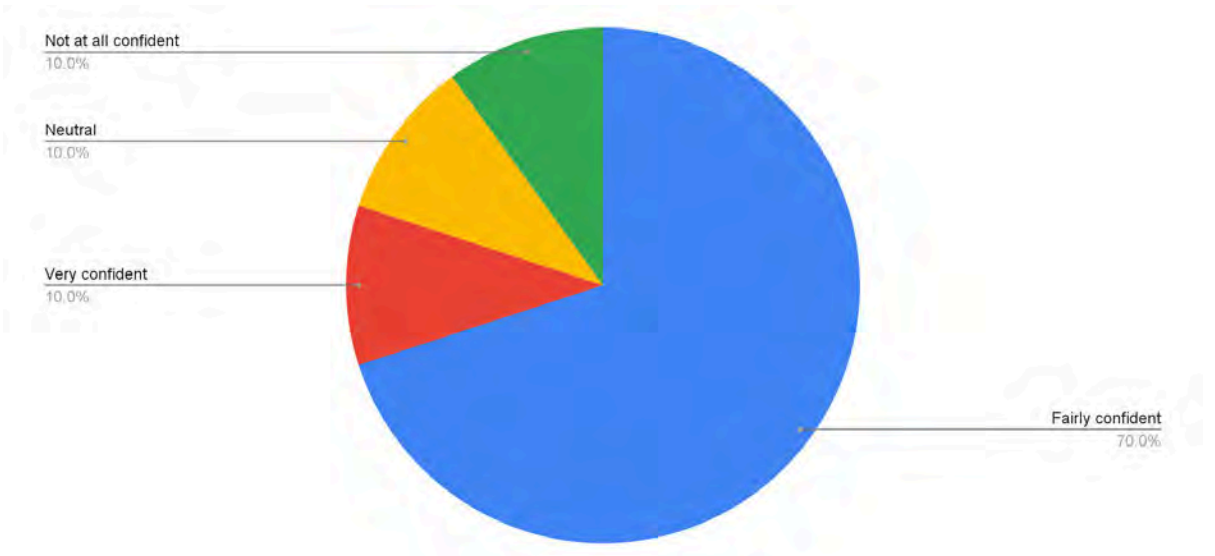
Who manages waste in the region?

Of the Member Survey respondents, four self-identified as being “very familiar” with Metro Vancouver’s role in waste reduction, recycling, and garbage management. Six self-identified as “somewhat familiar.”



Confidence in the waste system

Respondents are generally “fairly confident” that items recycled in Metro Vancouver are being recycled into new products instead of ending up in disposal, with seven of ten respondents choosing that option. One respondent was “not at all confident”, one “neutral” and one “very confident”. This suggests that even within organizations actively engaging with solid waste management in the region, there is some uncertainty as to whether collected recyclables are actually recycled into new products.



In response to the question “How well do you think current waste management programs and services work for everyone in the community?” responses were evenly split between “Work well for most, but not for everyone” and “Work well for some, but difficult to manage for most”.

In response to, “What could be done to increase confidence in the current recycling system?” the following responses were submitted:

- *“Show examples of how this is being done and why it is not higher than 75%”*
- *“Knowing where the various materials go after they are collected or dropped off at facilities.”*
- *“tv advertising showing lifecycle of our recyclables”*
- *“Share stats via marketing channels.”*
- *“Public Education”*
- *“if CI recyclables were brought in under the Recycling Reg and managed by Recycle BC”*
- *“More promotion/education on the matter”*
- *“Equip Return-It Centres with educational materials to engage and inform the public effectively. Foster greater transparency across all levels of the recycling process, including depots, Producer Responsibility Organizations (PROs), and the Extended Producer Responsibility (EPR) system. Advocate for recycling to become a federal responsibility, ensuring a unified and robust approach to waste management nationwide.”*

Accessibility and inclusion

A number of potential barriers were presented, and ranked from “not a barrier” to “significant barrier”, the results follow:

	Not a barrier	Slight barrier	Moderate barrier	Significant barrier	Don’t know
Not feeling welcomed at facilities and recycling and waste drop-off points	5	1	4		
Low availability of products that use less packaging or reusable packaging	2	1	2	5	
Cultural or language barriers	2	1	5		2
Not sure where to drop off recyclables		3	3	4	
Not enough information about reuse and repair options			4	6	

Uncertainty about what materials are accepted for recycling in curbside pickup		2	3	4	1
Time constraints	1	1	5	2	1
Safety and cleanliness at facilities or recycling and waste drop-off points	4	3	3		
Not enough or overflowing recycling and green bins in multi-family residence		5	3	2	
Waste reduction and recycling is not a priority for me	6				

In response to, “Are there any other barriers not listed here that you feel prevent residents, businesses, and organizations from participating in waste reduction efforts?” the following responses were submitted:

- *“Lack of bins for recycling or donating a multitude of items like clothing and household items in residential buildings”*
- *“In our apartment building the space is not welcoming and it's not fun to navigate the small (and sometimes unsafe) room in the parkade to separate materials, etc. Many people want to get in and out quickly and that could mean more is ending up in the garbage. Signage could be more clear as well”*
- *“effort to bring EPR materials (or flex plastic, styrofoam) to a depot”*
- *“Lack of information at recycling sites for people to follow”*
- *“Incentives, lack of awareness”*
- *“It starts at the top... The government must take a more active role in governing the Extended Producer Responsibility (EPR) system. Proper regulation is essential to ensure all levels of the system operate in harmony, creating a fair and equitable framework. Producer Responsible Organizations (PROs) must be held accountable to the public, as they manage funds collected through deposit and recycling management fees. Greater transparency, enhanced public education, and fair remuneration for all stakeholders should be priorities.”*
- *“Return-It depots, excluding consolidators, have faced rising costs and systemic neglect for decades. These hardworking business owners, who interact directly with the public, play a critical role in the success of the recycling network. Their influence and dedication deserve recognition and fair treatment.”*
- *“It is time to shed light on the state of recycling, modernize the EPR system, and position it for lasting success. By addressing inefficiencies and bringing the system into the present day, we can create a robust and effective framework that benefits everyone involved."*

In response to, “Which community members do you think may be having a difficult time with the current programs and services?” the following responses were submitted:

- *“people who live in residential buildings as trend is not to own a car any longer”*
- *“multi family buildings, homeless, uninformed.”*
- *“Anyone with a language barrier or people that aren't as mobile (e.g. don't have a vehicle, so seniors).”*
- *“those without vehicles”*
- *“Newcomers to Canada.”*
- *“MF residents/seniors/recent immigrants”*
- *“Seniors, citizens with ESL, people with disabilities”*
- *“Residents in Multi-Unit Dwellings, Lower-Income and Less-Educated Households, Small Businesses, Elderly Population”*

In this area, respondents identified marginalized groups, seniors, newcomers, and those with mobility limitations as likely to have a difficult time accessing current programs and services.

In response to, “What can be done to make the programs and services more inclusive so that they work for everyone?” the following responses were submitted:

- *“Provide convenient recycling and donation program in residential buildings”*
- *“Better education and promotion of the benefits of reduction and recycling.”*
- *“Consistency - similar programs across the region, accessible by everyone, in various languages”*
- *“collection of EPR materials in more locations, Bulky Item collection at all MFs in all municipalities”*
- *“Better information at the site”*
- *“Include various segments of the population in planning programs”*
- *“Go to the depots... They are (in) direct contact with their communities. They have good knowledge of what the public is complaining about”*

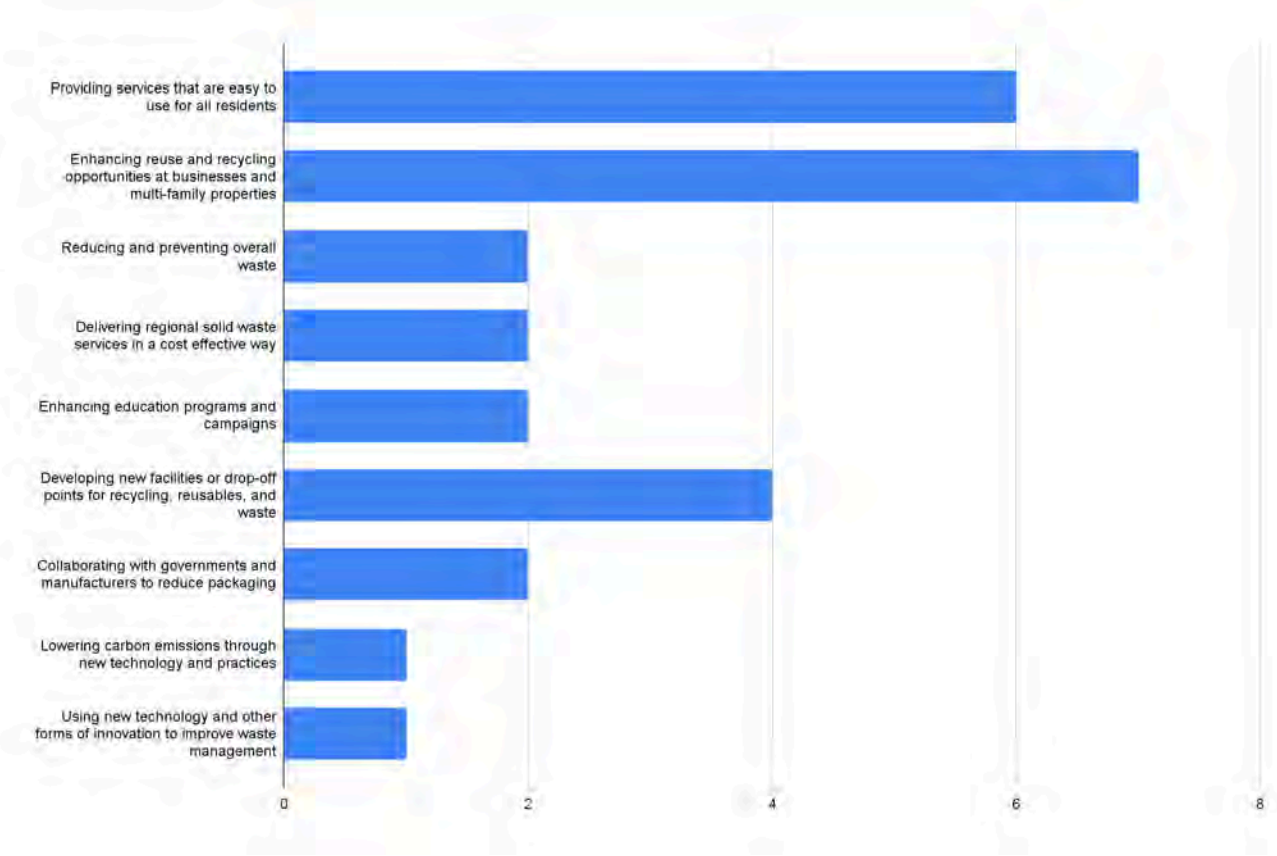
These responses identify improved convenience and education as priorities to improve inclusivity of programs.

Looking to the Future

In terms of priorities for the future, there were three of the nine proposed priorities that received more than two votes:

- “Enhancing reuse and recycling opportunities at businesses and multi-family properties: 7 votes
- Providing services that are easy to use for all residents: 6 votes
- Developing new facilities or drop-off points for recycling, reusables, and waste: 4 votes

Note that some respondents did select more than two options.



When asked which of the above themes were most important to their industry or sector, the following additional responses were received:

- *"Enhancing reuse and recycling opportunities at businesses and multi-family properties; more and more people do not have cars and use car-sharing programs therefore it is expensive for them to go to Metro Van recycling centers - multi-family properties program needs to include bins for clothing and small household items. Many local charities provide pickup services for these items free of charge. "*
- *"Providing Services - need access to better bins at curbside (light items blowing away)"*
- *"Most people want to reduce waste or do the right thing but might lack awareness or understanding of best practices. The cost of living is high too, so finding a balance between providing great services and lessening the tax burden. Would like to see Metro Vancouver undertake an overall efficiency review to determine if there are potential cost savings in programs, staffing and services."*
- *"enhancing reuse and recycling opportunities"*
- *"opportunities to divert at MF/ICI properties - no accountability and just dumped in garbage - no one wants to bring foodwaste or recycling to garbage room"*

- *“Enhancing a reuse program because we’re using is the best form of recycling”*
- *“New facilities - we are in the textile circularity business”*
- *“Reduce packaging at the source - manufacturers should be forced to use recyclable and reusable packaging. Planned obsolescence should be eradicated!”*

Additional suggestions for priorities for Metro Vancouver were:

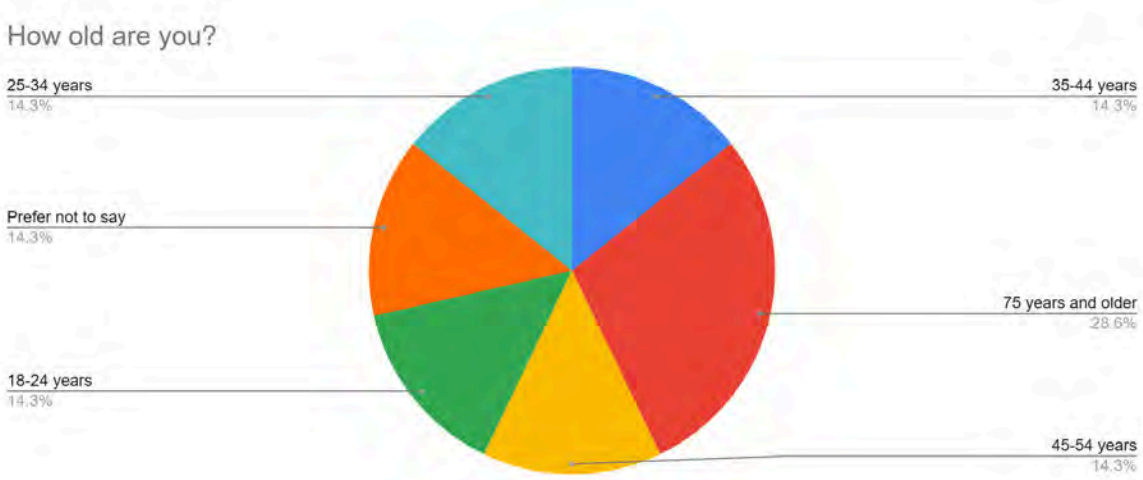
- *“Working with Stratas to expand number of materials that are collected in the recycling rooms to prevent them from entering the landfill stream”*
- *“Clean ups of waterfront.”*
- *“Focus is always on residents, but businesses and the construction industry are big generators. Focus on reducing waste in these areas as well (look at the low hanging fruit, e.g. wood waste?)”*
- *“Supporting nonprofits in the community because they are the only mechanism to direct materials back to the community”*
- *“There is already a fully established depot system that could be used in a better way with more opportunity to serve the communities they are already in close touch with. create more programs and offer the depots to facilitate them”*

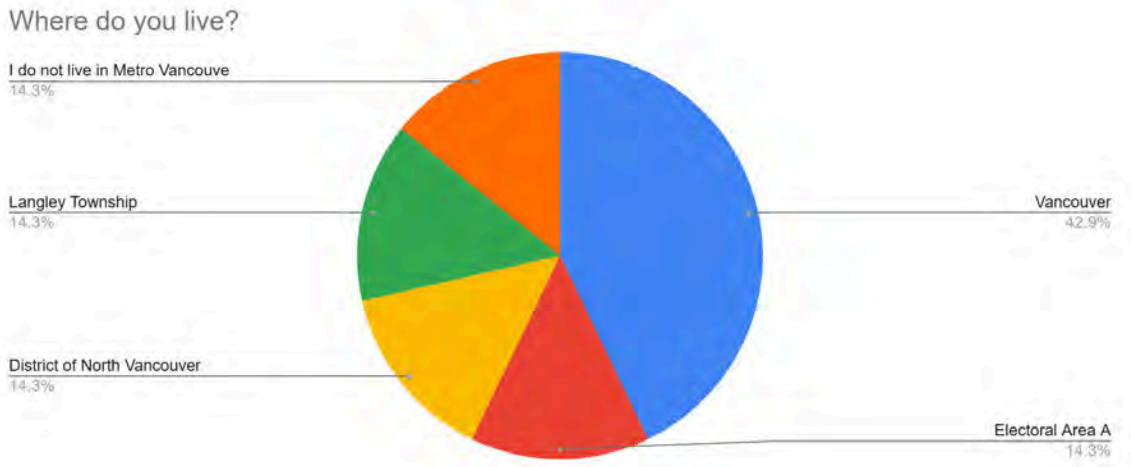
Further ideas provided were:

- *“Use free services that local charities provide to collect multitude of items that can currently are going into garbage”*
- *“Enforce penalties for non-compliance.”*
- *“Focus more on reusing of materials and less on recycling”*
- *“More awareness/education campaigns on the matter”*
- *“A fully established depot system is already in place, presenting an opportunity for more effective utilization. These depots are deeply connected to the communities they serve, making them ideal for expanding services. By creating additional programs and empowering depots to facilitate them, we can enhance their role and better address community needs.”*

Public Survey Results

The public-facing survey received seven total responses. Of the respondents, 100% indicated that the primary language spoken in their home is English. Four of five respondents lived in Apartments or Condos, and three of seven in detached homes. The breakdown of age groups and municipalities represented are presented below:

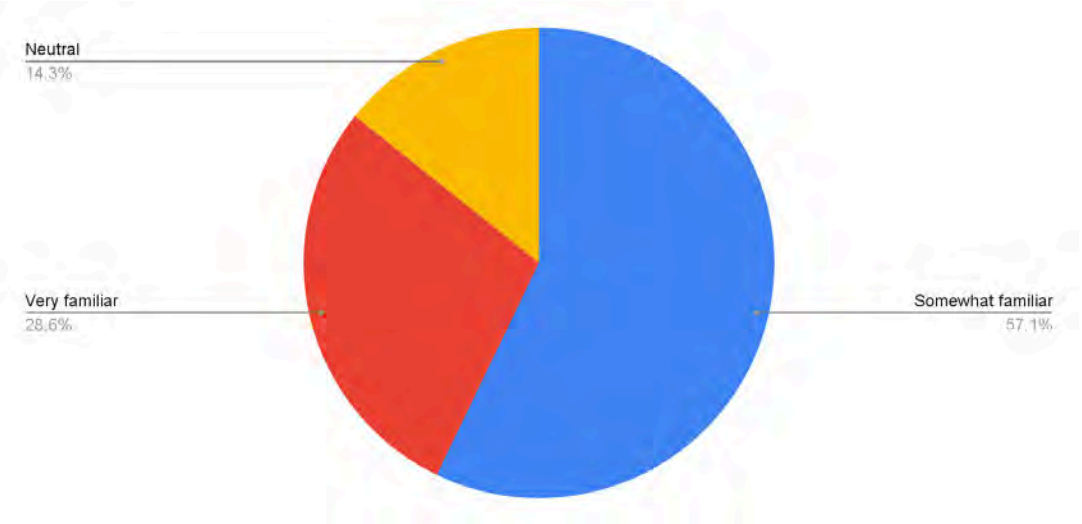




These results show that six different age groups, and five different municipalities were represented by respondents.

Who manages waste in the region?

When asked “how familiar are you with Metro Vancouver’s role in waste reduction, recycling, and garbage management?” most respondents self-identified as “somewhat familiar” with Metro Vancouver’s role in waste reduction, recycling, and garbage management.



Reducing waste

Respondents indicated how frequently they perform several actions. All respondents reported bringing reusable shopping bags “always” and in only one case, “Bring your own reusable cup, dishes, or utensils for takeout” did one respondent indicate that they never engage in that action.

Action	Always	Often	Sometimes	Rarely	Never	I don’t know
Bring your own reusable shopping bags	7					
Repair items yourself, bring items to municipal repair cafes, or pay to have them repaired rather than dispose of them		3	4			
Reuse or repurpose items rather than dispose of them (wrapping paper, food containers, plant pots, etc.)	4	1	1	1		
Buy or trade (exchange) second-hand items	2	3	1	1		
Meal plan to avoid food waste	6		1			
Compost organic waste including food scraps and yard trimmings (e.g. backyard composting or green bin pick-up)	6	1				
Pass down or donate unwanted clothes, or participate in clothing swaps	6	1				

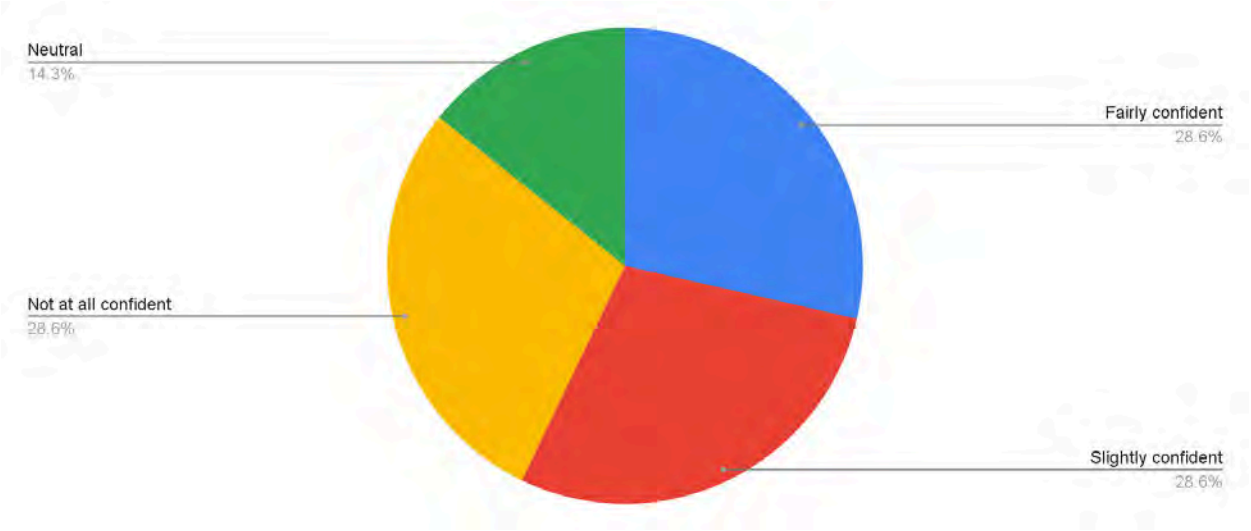
Bring your own reusable cup, dishes, or utensils for takeout	2	1	1	2	1	

Additional actions provided by respondents were:

- *"Buy food at zero-packaging stores or from minimal-packaging bulk food sources"*
- *"Mindful of purchasing items in recyclable containers"*
- *"Buy higher quality goods so they don't break or wear out as quickly. Try to buy less and keep the items that I already own"*

Confidence in the waste system

In response to "How confident are you that the items you recycle are being recycled into new products instead of ending up in disposal (i.e., garbage, landfill)?" respondents showed a generally lower confidence that recycled items were recycled into new products, with only two of seven indicating that they were "fairly confident" and none that they were "very confident".



In response to "Are there any items collected for recycling that you don't think are being recycled into new products?" the following responses were provided:

- *"Items contaminated by other people in the same building putting unacceptable items in the bin"*
- *"We have single stream recycling that we pay for."*
- *"paper and foil composites"*
- *"Plastic containers and metal containers"*
- *"Plastics, electronics"*

"What could be done to increase your confidence in the current recycling system?" yielded the following responses, which emphasized the importance of education and system transparency.

- *"Increase drop off to double stream"*
- *"education & promotion of facts - as I have heard people say that the recycling is just put in with the regular garbage in a dump"*
- *"Get more information about where how recycling is handled so consumers know why is happening"*
- *"no sure right now"*
- *"More accessible information and urgency on what is and isnt recyclable and what happens to recycled materials and what happens when people try to place non recyclable materials in the recycling bins"*

Accessibility and Inclusion

A number of potential barriers were presented, and ranked from "not a barrier" to "significant barrier", the results follow:

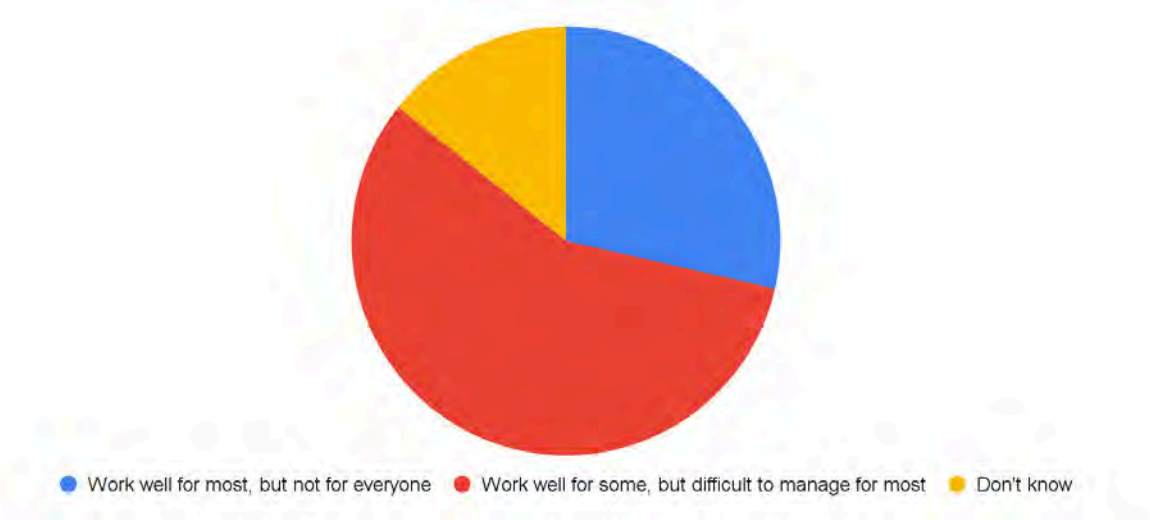
	Not a barrier	Slight barrier	Moderate barrier	Significant barrier	Don't know
Not feeling welcomed at facilities and recycling and waste drop-off points	4	1	2		
Low availability of products that use less packaging or reusable packaging	1		3	3	
Cultural or language barriers		6	1		
Not sure where to drop off recyclables	1	4	1	1	
Not enough information about reuse and repair options		4		3	
Uncertainty about what materials are accepted for recycling in curbside pickup	3	2		2	
Time constraints	4	1	2		
Safety and cleanliness at facilities or recycling and waste drop-off points	4	1	2		
Not enough or overflowing recycling and green bins in multi-family residence	4	1	1		1
Waste reduction and recycling is not a priority	6	1			

for me					

Additional barriers identified are:

- *“specifically location of recycling facilities in Vancouver”*
- *“Depots are too far”*
- *“recycling toothbrushes, lipstick tubes, lighters, old frypans, wax paper”*
- *“No”*

When asked “ow well do you think current waste management programs and services work for everyone in the community?” four of seven respondents indicated that they felt that current programs “work well for some, but difficult to manage for most”, two of seven that they “work well for most, but not for everyone” and one responded “don’t know”.



Responses to “which community members do you think may be having a difficult time with the current programs and services?” noted challenges relating to mobility, distance, and familiarity with systems:

- *“People who don’t live, or regularly travel, near a location that accepts things not accepted for pickup (e.g. who don’t live or work near the Zero Waste Centre or a Return-It depot). People who have physical difficulty carrying heavy loads to a Return-It location or the Zero Waste Centre.”*
- *“The disenfranchised”*
- *“I am often surprised by the amount of people who do not recycle and separate and dispose of food waste properly - I want to think that it's education but at times it seems related to effort when I see what people put into recycling bins in apartments”*
- *“It seems that some people don’t care . Possible difficulty for people with mobility issues”*

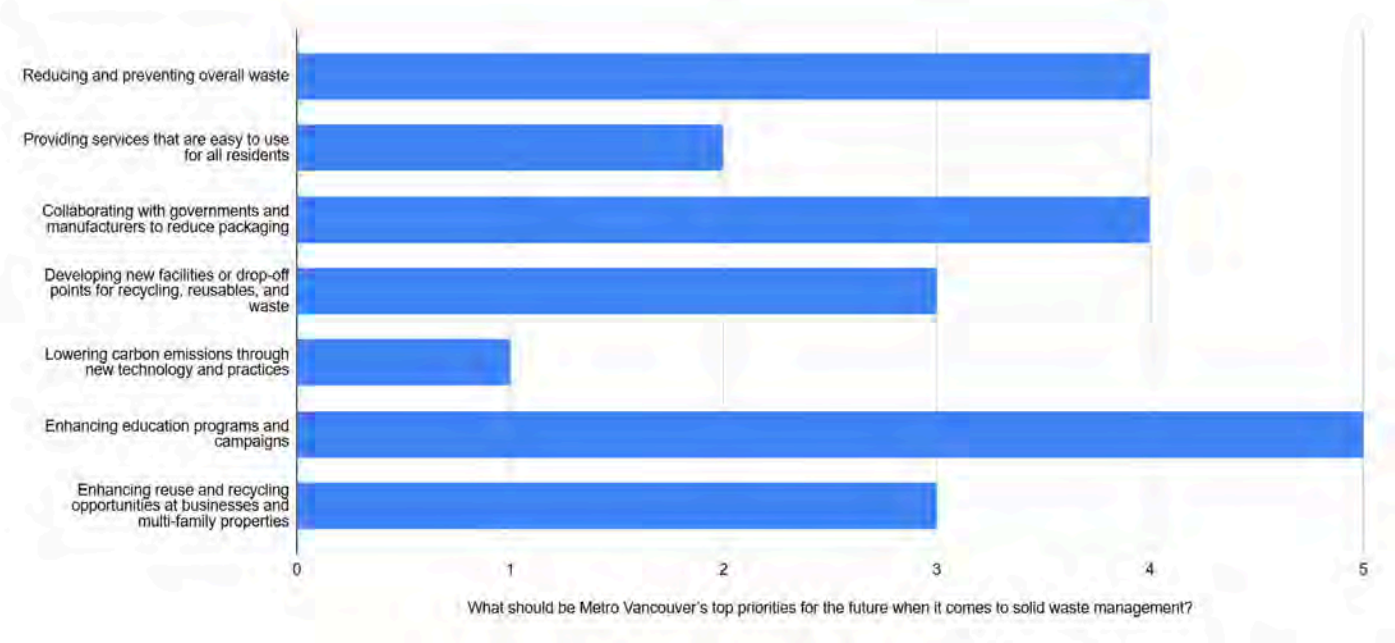
- *"seniors possibly"*
- *"Lower income people, newly immigrated people and their families"*

Respondents provided several suggestions for "what can be done to make the programs and services more inclusive so that they work for everyone?"

- *"Make as much as possible recyclable by household pickup rather than only dropoff at specific locations."*
- *"education & possibly consequences - I know from friends who live there how strict the garbage disposal is in Switzerland I know in some municipalities in BC that if people put the wrong thing in their recycle bin that nothing is collected and they are given a warning I know that in some cities they threaten fines but I have seen myself people not use the food waste properly which makes me think that there is no consequence"*
- *"Education & more signage about expectations and or closest depot"*
- *"More public awareness and education on it, better labels/instructions, incentives, enforcement for non compliance. I have noticed positive changes in these areas already so keep it up!!!"*

Looking to the future

When asked "what should be Metro Vancouver's top priorities for the future when it comes to solid waste management?" most respondents indicated "enhancing education programs and campaigns" as a priority, with 5 total selections. Four respondents identified "reducing and preventing overall waste" and "collaborating with governments and manufacturers to reduce packaging" as priorities. Only one selected "lowering carbon emissions through new technology and practices". Note that several respondents selected more than 2 options.



Other priorities suggested by respondents are:

- *"Reduce the complexity for users. I should not need an 11-page PDF and a PhD in materials science to figure out what something is made of and whether it's recyclable or not. We need simple rules like "all plastic is accepted"."*
- *"Developing new facilities or drop-off points for recycling, reusables, and waste In Vancouver"*
- *"Incentives for companies that follow practices and penalties for those that don't"*

One further idea was shared:

- *"Metro Vancouver is moving in the right direction. Some cities do a better job at it and some really don't. So Sharing knowledge, technology, policies, and helping out the rest of BC and collaborating with governments and securing better paths for waste management and recycling"*

Observations & Recommendations:

Engagement in this process was improved compared to the 2023 survey on Vision & Guiding Principles, which may be reflective of the more advanced stage of the Idea Generation phase of the engagement process. While respondents represented a wide range of age groups, municipalities, and organization types in the case of the RCBC Member survey, it was noted that in the public survey 100% of respondents selected English as the primary language spoken at home. This suggests that the reach of the public survey was limited to those for whom English is the primary language, and did not reach some of the groups identified in survey responses as less likely to engage with waste management programs, like newcomers to Canada.

Conclusions:

This survey aimed to solicit feedback both from RCBC Members in the Business/Industry and Non-Profit sectors and from members of the public who interact with RCBC Information Services. Overall, survey responses centre around two core themes: education, and ease of use/access. In both the RCBC member survey and the public survey, respondents identified that enhancing education programs, making it easier to reuse & recycle at multi-family properties, and improving access to recycling opportunities for all residents were important priorities. Additionally, barriers such as lack of information about reuse and repair options, low availability of products that use less packaging or reusable packaging, and uncertainty about what materials are accepted for recycling in curbside pickup were identified as significant barriers by both groups of respondents.

Engagement Activity Summary - Metro Vancouver Solid Waste Management Plan Update

Activity: Workshops and Survey with Master Recycler Vancouver	
Activity Dates	October 16, 2024 and December 5, 2024
Organization/ group name	Master Recycler Vancouver, a program of the Society Promoting Environmental Conservation
Time / Duration	6:00 pm to 7:30 pm / 90 minutes (both dates)
Location	Workshop virtual via Zoom + Survey via Google Forms
Format	Workshop & Engagement Survey
# of Participants	16 workshop participants (12 on October 16 and 4 on Dec 5) 76 via engagement survey
Summary of Promotions	6 Emails to mailing lists: SPEC newsletter, Zero Waste team, and MRV participants 18 Social media posts - across Instagram (7), Facebook (8) and LinkedIn (3)

Participant feedback/Input

Meeting Notes

Topic: Rethink and reduce waste in the first place

Include any notes from the engagement activities. These are "what was said" notes and should be as close to verbatim as possible. Use one bullet point per speaker (i.e., start a new bullet when a new person starts speaking.)

Notice to reader: All point-form notes are participant comments reported as heard, other than spelling corrections, removal of identifying details like names, and insertion of selected words for clarity, in parentheses. Italicized, non-bulleted points are commentary from the facilitators.

Topic/Question	What was said		
How familiar are you with Metro Vancouver's role in waste reduction, recycling solid waste in the region?	**Option**	**Oct 16**	**Dec 5**
	Very familiar - I could explain it to others	**4**/11	0/4
	Somewhat familiar - I have a rough idea	**6**/11	**3**/4
	Not familiar - I need an explanation	**1**/11	**1**/4

Opening Discussion

- We've implemented Extended Producer Responsibility. Maybe we need to do Extended RETAILER responsibility, so retailers have incentives to seek packaging-free products!
- Great thoughts and points. For me, one way I try to combat this frustrating reality is to 'vote with my wallet', recognizing my privilege of choice. So if I see tomatoes in a clamshell, or loose, I lean towards the ones which are loose. I like to think that if the retailer sees that the clamshell options aren't selling, they'll procure options which are loose.
- I will shoot out a friendly rebuke to that… consumers and retailers all know the goal is waste reduction and have been given every opportunity to make it happen. Here we are, in 2024, and we are deep into a climate emergency. My thinking has shifted; voluntary action has had its day in the sun and we need regulation.

Opening Discussion
○ I totally agree, we need more government regulations in terms of what packaging can be used, and also preventing over packaged products from being sold. ● I totally agree, regulation and enforcement are key missing components to me. However, in the meantime, I do believe that my individual actions (and sharing reasonings for those actions with others) is what I have control of currently.

SWMP Guiding Principles	● What are the implications when they say 'resilient to climate change and future challenges'? What does it really mean? Does it mean the solid waste is away from water as it creeps inland? ● (another participant responded) I like to think that the fact that landfills produce methane and GHGs speaks to how waste is related to climate change. ○ To put it very simply, burning fuel creates emissions that cause climate change, but landfills also create those emissions in a different way.
Questions and Clarifications	● Where does C&D waste go? ○ *We discussed, there are wood waste upcycling facilities, and also dedicated construction and demolition waste landfills. We discussed that wood products can become fibreboard, concrete becomes road fill, lots of different uses!* ● Is it true that each municipality can choose its own hauler? YES ○ *We discussed that municipalities have responsibility for managing their own waste contracts, and depending on the available infrastructure, may also choose between multi-stream or single-stream. They can even use different systems within the same municipality.*
Today's Topic of Focus *(Rethink and prevent waste in the first place)*	● Are there other groups talking about the 6 other topics? *Facilitators shared what we knew of other groups hosting engagement on the other topics. We discussed how "rethink and reduce first" ties into the other items.*

Warm Up - What you do to prevent and reduce waste
Key takeaways: (1) reuse packaging, (2) reduce consumption through conscious shopping, (3) reuse dog waste bags, (4) donate clothing and other still-useful items, (5) avoid takeout and delivery food, (6) reuse bags, bottles, period panties, mugs, etc, (7) buy in bulk. ● First speaker: ○ Buy less. ○ Have a list when I go shopping. ○ Don't impulse buy; don't buy processed foods. ○ Avoid restaurants (there is a lot of food waste there). ○ Cooking with what you have in the home. ○ Buying locally made products. ○ Wear out our clothes. ○ Reuse and recycle used textiles. ● Reusable mug, reusable bottle, reusable period panties ● When I think about my relationship with waste, I have three thoughts ○ I try to buy less

Warm Up - What you do to prevent and reduce waste

    - As a foodie, I focus a lot of my time/money/energy around food - I prioritize making my own meals a lot. Cooking lentils and beans from bulk beans rather than in packaging.
    - I prioritize going to package-free grocery stores. I know that's not an option for everyone, everywhere, but I offset that by prioritizing that over some other activities.
    - On social connectedness - being a constant person in the group or family who's reminding people to be aware of their relationships with waste; try to impart a bit of wisdom and knowledge while I have conversations and interactions with others.
- Favourite item to reuse is dog waste bags
    - She did make reusable dog waste bags as her master recycler project, but you don't need to go through that effort - she does have them, and other participants were fantastic supporters of her going through that, but you can just reuse the plastic ones if you're caught, because in Metro Vancouver we're encouraged to flush dog waste.
    - She has two dogs, they go for walks twice a day, she could be using at least 4 if not more bags a day, and she doesn't. She uses either the bags she made or will reuse a plastic bag for weeks and weeks, instead of having four bags a day going to waste, she has very few
    - (another participant asks) What do you do to reuse the same bag?
        - Dog poops, flush it in the toilet, rinse the bag as she flushes, then hang it upside down
- Retired but does a lot of gardening and volunteering at Riley Park community garden. She's in charge of the composting section up there.
    - She has a great connection with a guy at Metro Vancouver who regularly sends packs of 'here's the dirt' leaflets, which she distributes to people whenever she gives a composting talk, and the worms leaflet too.
    - Her favourite thing to reuse is spreading coffee grounds around, so they never get wasted. They go on the roses or the pot plants who like them. And they seem to like it. So good, healthy plants.
- He reuses his paper garbage bags, and he uses an olive oil can as the garbage bin
    - The paper bag is probably a year old now, just emptying into their garbage can, and out in the lane.
    - They do, in their kitchen, his wife and he only, the kids are grown up, they have various waste baskets around the house, and when it comes close to garbage day, every 2 weeks, they aggregate the bins into 1 place, and sometimes he can just empty that directly into their big bin out in the lane
    - Sometimes the bag goes out with the rest of it, and then they use a new, small kitchen bag, which they used to reuse their shopping bags. Since those don't exist anymore, they do buy a roll of bags, it seems to last like 5 years.
- Her daughter doesn't get home until 7 in the evening. They've taken to using the Hello Fresh delivery system. So you get the ingredients for a meal in a brown paper bag which fits perfectly into her kitchen caddy under the sink, so she's reusing those. And they have a slight element of a lining inside, which makes them relatively waterproof. So they're absolutely perfect for lining the food bin, and you can pop them into the green bin.
- He likes to reuse EVERYTHING , because he made a commitment more than 10 years ago that he doesn't buy anything new. The only things he buys new are food, bicycle brake pads that require replacing, and the head of his Sonic toothbrush is replaced roughly once a year, and is made of plastic.
- She's done a whole lot of stuff to do with improving her own recycling at home, and participating in zero waste events, since doing the MRV course in 2015.
- A constant struggle, realizing that things she consumes will end up in landfill, despite me recycling. She's trying to reconcile that difference.

Warm Up - What you do to prevent and reduce waste

    - I try to make sure whatever recycling or composting I do, I'm doing it well.
    - If I'm composting a container, I take out everything that is not compostable.
    - Anything that is recyclable, I separate all the components.
    - Also, I come from a culture (Pakistan) where waste is not a concept; we use everything over and over again. So it's ingrained in my upbringing to never throw it out. The idea of mindfulness.
    - Understanding how my individual action can impact the recycling process; if I put my pizza box that's stained in the recycling container, it can spoil the whole bale if it has grease.
    - You need to understand how your actions matter. The conversation around this usually blames others for why systems aren't working; we have to reframe and think about what we are doing to make it work.
- She takes individual actions, but also feels very frustrated by the manufacturers; if all the foods are in these clamshells, then what can we do to change that habit? I don't know if it IS up to the individual to change these things.
    - I find it really frustrating that you can't buy anything that isn't in those hard plastics.
- Trying to be more waste-free by changing buying habits like switching to shampoo bars instead of bottles.
    - You really have to seek out refillable containers for beauty products. Some companies are better than others.
    - I go above and beyond to collect my soft plastics.
    - I've contacted companies to ask them to change their packaging - there are some things I don't buy anymore
    - If you tell people they have to spend 2x or 3x as much money to buy a product because it's locally sourced, reusable or has recycled content, it's hard for people to do.
    - Where can you make the biggest difference?
    - If I look in my garbage bin, you can't do much else with that
    - Dust, when i'm cleaning - what else am i throwing out - and I'm surprised by how much plastic I can accumulate over a month
    - But you find something inside a package that you don't expect.
    - the thing that makes me sad post Covid is only one major grocery store chain locally (Save on Foods) seems to have bulk foods still, others have shut down that option to consumer causing more buying than necessary
        - *Other participants chime in and she clarifies what she considers a major chain*
- Being from Hong Kong, coming to Vancouver to study is her first time (using multi-stream recycling). In Hong Kong the recycling system is not as good, so she's happy to see the number of different bins, including on campus.
    - Adding to the point about shampoo bars, her environmental awareness is influenced by my mom; so I encourage soap bars instead of liquid soap in bottles
    - Before that, I never realized how much plastic that one little bottle produces
    - It's very hard for people to adapt to a new way of using resources, even if it's simple to switch from liquid to bars.
- I like to bring Tiffin containers, or reused plastic containers to the bake shop and get them filled. There can be a hygiene issue, but we manage to take our reusable coffee mugs to coffee shops, etc, so that is an option.
    - As a retiree I'm lucky to be able to do all sorts of volunteer work in the recycling and repairing business. That's my main focus of trying to keep the planet from burning up.
- Reusable food packaging
- Bringing takeout foodware to restaurants

Warm Up - What you do to prevent and reduce waste

- Reusable cups
- Reusable bags - hyper-portable
- When done with a clothing item or not using it, will put it on the buy nothing site - pretty active on the local buy nothing; she uses it a LOT
- Use Facebook Marketplace second hand items
- Being a conduit for local schools, for family members (to take items to donation or depots)
- Talk to families about clothing-share. We just think that (and I was guilty of this too!) we think to dump unused items off at the Salvation Army or any other thrift store, e.g. SPCA, but we still have a lot of that stuff not getting resold in the Lower Mainland, it's garbage or sent overseas, so been trying to encourage people to share with cousins, and work with that, that's a big thing
- Volunteer at the repair cafes, helping to eliminate waste by repairing people's clothing items so they can keep using them
- Buy used items for grandchildren at MacGillycudy's Children's consignment store at 33rd and Mckenzie
- Recycle everything possible
- She's a zero waste artist who uses recycled and leftover items in her art.
    - The main thing she uses these days is obsolete 1970s and 1960s polyester double knit fabric. She studied in a fashion design program, so she uses couture methods to make the waste fabric into something that is other than what it started out to be, really awful stuff.
    - Also, her daughter has a cognitive disability and a number of health issues, so over the last 8 years they have eliminated everything from their life that could possibly contribute to various illnesses and problems, and ended up with pretty much nothing in the way of bodycare and food items.
    - They've developed a bunch of bodycare products and are in a business program for people with disabilities, going to launch a line of skincare products in the spring.
    - They grow everything and produce the raw materials for it, they forage and have a garden, so they make basically all the botanicals and make the products themselves
    - She wants their packaging to be an example of what they can do, not just a compromise. They want the packaging not to be greenwashed in any way, actual zero waste packaging. She doesn't even want it to be recycled, she really wants to give something that can be reused, so they're using proper canning jars for the packaging
        - They don't want glue or stickers so she's developed a way of making everything work, and a printer who can do what she needs to be done. It's hard to find anyone to make a circle for you that's not a sticky circle
        - She wanted to be an example of what they can do, not just a compromise - yes, it's recyclable, and therefore it's environmentally friendly - even though that's not environmentally friendly in my books, that's another part of the problem
        - I wanted to appeal to people who actually grow their one food and use their own food and preserve their own food
        - If someone ever gives me a canning jar, they know not write on my gravestone - never say no to a canning jar; something that can go in a hot water or a freezer

Warm up - What people would like to do or have thought about doing:

- *(Learn from the past).* The Victorians always recycled everything, before plastic was invented, we should do some research into their practices

Warm up - What people would like to do or have thought about doing:

- Clothing swaps - they want to host them; start the conversation with their community about textile waste
- Implement reusable toilet paper at home; 'family cloths'
- Bring take-out foodware when I go out for dinner.
- "I have a will and an urge to be more interactive with my neighbours, which I don't do"
    - It's even hard for me with my roommates, who tend to be young and everything comes from Amazon every day.
    - They have to recycle and compost because they live in the same house that I am, but even my neighbour from upstairs, I'm many times looking into the communal baggage and opening bags, recycling a lot of containers and stuff.
    - For my whole neighbourhood, like most other neighbourhoods, I go and look through garbage, and it's not simple, there's contamination.
- Convince my friend who doesn't see the value in composting because she's thinking individual action doesn't have any impact, that composting every little food scrap DOES matter.
- *(Create bite-sized, digestible and appealing scripts to encourage the desired behaviours)* Have a BETTER, brief by-line, a better way of trying to explain WHY we CAN do individual contributions - something in the back of our heads to reach for whenever the opportunity comes up
- More information sharing about the repair cafe, spreading the word more
- The past three years she's been part of a food redistribution service. They get donations from a grocery store that are just about expired; with her neighbours they sort it and distribute it among different people in their neighbourhood.
    - She likes that because she finds a lot of excitement in using what's on hand. She never buys or goes out and gets something to use, she uses what comes to her naturally.
    - So this food she's grateful for, but at the same time, she's generating way more waste this way, prior to receiving all this bounty and abundance being diverted from landfill.
    - So, the styrofoam, the plastic packaging, makes her feel torn
    - Glad to have the food and to divert it, but still carting off a whole lot of plastic and a whole lot of styrofoam, don't know what the solution is there.
- Haven't been doing it, but in the past she's written to stores to STOP SELLING STYROFOAM
    - So yes, Metro Vancouver should say that we can no longer SELL styrofoam at all, that we can no longer sell them, so we can't get them at the store
    - You can't get them at the coffee shop but you can buy 24 of them when you're having a picnic. Metro should stop allowing that.
- Would like the Zero Waste Center to have a spot for canning jars. You're not supposed to paw around in their bin of glass, but they kind of turn a blind eye. Let's actually have a section where people can put useful stuff where people can reuse and recycle.
- City of Vancouver used to have a once a month time where they let people exchange things. But the zero waste depot, it would be great if they would let people go in and share things.

Identifying Barriers and Key Challenges - What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?

Key takeaways from the conversation: (1) the focus on recycling prevents people from reducing and preventing in the first place, (2) there is disillusionment with recycling that prevents people from participating, (3) many people just don't know how to properly recycle, (4) individuals can only do so much, when everything we can buy is packaged, prevention has to happen before products get to the store shelves.

Identifying Barriers and Key Challenges - What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?

- People don't know much about how recycling works, so they don't put their bins out.
- It's very hard to sort at the home; it's too confusing
- It's disheartening that organics and recycling sometimes get incinerated
- I would like to see on everything that can't be recycled, have a small blue dot for blue bin, black dot for black bin, green dot for green bin. It's easy, anyone can see that.
- Behaviour change; people not following the right actions; we need to be letting them know what they can do.
- Lack of information, lack of awareness. People sometimes want to do more, but they don't know what they could be doing. Information and sharing the possible alternatives for consumer behaviour would be a very important pathway to follow.
- For her, she knows there's a multiplicity of packaging and everything; she laughs when she goes into places where you're supposed to dispose of your own stuff from eating or drinking, and you have all these choices - is this for compost, for garbage, for recycling? And, everybody sort of stares at these things and has no idea where to put everything! So everything gets mishmashed.
    - How can we create a system that is CONSISTENT? Through different locations. It also means maybe the materials have to be consistent.
- Construction and demolition waste is banned from landfill in MetroVan. But it still sneaks in in black bags. Ban the black bags!
    - Also, fine the haulers at the tipping places … it's already happening, but I support larger fines.
- We need to focus on advocacy and what goes where - half the people don't know how to sort waste. Not one-way information; like how we have the signs up against garbage areas. We need to do some leverage of social media and outreach and make it appealing and interactive
- When it comes to prevention, I go back to the guiding principles a bit here and thinking about the guiding principle that speaks to incentivizing retailers
    - If the options are unsavoury - do I really want to OWN this piece of packaging right now? I really don't, I would like another option please
    - A way to regulate or restrict packaging at a retail level, and incentivize retailers to ensure there are package-free options that are readily available
    - That would go a long way to giving those of us who are willing or seeking to make the package-free choice; go a long way to that reduction and prevention in the first place
- Multi family buildings have contamination
- Lack of education for people - the very existence of recycling programs makes people complacent (about prevention and reduction); okay, I'll chuck it in there, I've done my part.
    - People don't know that things are not properly recycled, that when you put greasy stuff in it just contaminates something. People don't even know what is supposed to go in the blue bin
    - So, there should be more education about what can and cannot be recycled.
- Education by itself is usually not enough, it has to come with involving kids in schools, showing examples on the streets, in the shops, in the grocery stores,
    - There needs to be a lot of different things, messages, programs and places.
- Different cultures, different languages
- Health conditions and situations - for some people, it's very hard for them to drive to a depot, to the zero waste center or to depots
- Lack of continuity of waste bins. Sometimes, they're not always available. It is Complex, we've even done things with events in the summer where you're explaining where things go, which bin, but it's also the confusion of - you're standing in front of four bins, and you're like WHERE DOES THIS GO?

Identifying Barriers and Key Challenges - What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?

    - Even when they have the pictures on them, it takes brain power that people don't necessarily want to take the time to figure it out
- Would love to see compost bins, but a little smarter, not just bins, in the streets of Vancouver. It's going to take years for people to get used to it
    - At the beginning, it will be a contamination show, people will just dump everything in there. But every change, every behaviour change takes time, takes a process, and in Europe there are a few and maybe more than just the EU, there are new innovative ideas on how to approach that.
    - I would like to see a compost bin by every garbage bin, and a recycle bin next to it
    - It's been experimented with to a degree, but usually not with compost
    - There are new ideas, new things that can be done to make it more accessible
    - Most of us, in a single family house, we're doing a reasonably a good job, in multi family not as good. I would love to see some work on that.
- Conundrum in my mind; we talk about waste reduction, but in the same talk we're talking about recycling, which is really just doing something different with the waste, so it's not really PREVENTING waste in the first place. So, the focus on recycling, and recycling better, is a barrier.
- We're talking about plastics and the 9% recovery figure, and RecycleBC claims its much higher in BC, and that they make something with the plastics, using Merlin Plastics
    - They claim they can make soft plastics and make a usable product they can resell
    - But it would be really nice to SEE that, talking about transparency, maybe more people would be interested if they actually saw something in their media feeds that told them that was happening, or commercials in regular television
    - At London Drugs where they accept the flexible plastics, and the City Zero WAste center, they're the only places u can do that
    - Would be nice if EVERY PUBLIC BUILDING was doing that; I don't know if they have a special deal with London Drugs (LD). Did LD agree to subsidize the program?
    - Every community center, every library, city hall, they should have those kinds of waste receptacles. But still, that's all recycling, that's not preventing waste.
- How inaccessible it seems to actually prevent waste, because we encounter packaging and products once they're already designed to be wasted
- The notion Master 'Recycler' was misnamed, because you don't really want to recycle these things, you want to not create them in the first place
- I'm prepared to accept the world as it is and not the way it could be, and say; what do we do with this stuff, as opposed to changing everyone's behaviour?
    - If you charge them for it - we now have a system for it. There's all these things on which there's a 10 cent deposit. There are many things that are identical that you don't have a deposit on, like a Litre carton of milk, a litre carton of cream does not, but it's the same kind of thing in terms of the waste at the end of it.
    - The Litter Act deposit law, originally in Vancouver, was thinking of things you might use away from the home and use on the street, that would be leftover. The deposit is a leftover of that thinking from 40 years go
    - Some identical packaging, and some have a deposit and some don't
    - Of course, if you put the refundable stuff out in the lane, together with the blue box or separately to make it easier for people to get them, the binners take them away
    - Was starting to think of this as - the way miners think of ore concentrators and smelters; the ore is all this stuff spread out in the lanes of the city, and the concentrators are the binners, they dig all the stuff and take it in one giant bag to get

Identifying Barriers and Key Challenges - What do you see as the primary challenges or barriers we face in tackling the goal to rethink and prevent waste in the first place?

back a dime, and they concentrate them at the depots, which then sorts them into aluminum, glass, etc.

- Why are there never any recycling bins at public parks and farmers markets locations?
    - They're PRIME places where people are buying coffee from the vans, takeaway food they're eating there, and there's nowhere to put that. A lot ends up in my compost bins at Riley Park, which is really frustrating.
    - It's something that well, it could revolutionize things, couldn't it? Farmer's markets every weekend, and parks with children and families playing, and picnics, there's nowhere for them to put the waste products
- The ferries have bins - they have bins marked compost, newspaper, and cans and bottles
    - My observation is that there's an incredible amount of contamination. You would need someone to sort it afterwards, and then it becomes cost prohibitive in terms of what you get out of it in the end. If you valued waste reduction more highly somehow, it would become more cost effective.
- Other idea, is put the 10c deposit on almost every kind of container, and then A) people would notice it and start to think, maybe i should start to buy this stuff in something reusable, and B) the binners would get richer; they would have more things to take to the depots, which would be the concentrators where they can
    - The milk cartons; don't know what happens to them, to glass, etc. If there were 10x as much of it, then someone would figure out some way to repurpose it
- That there are SO Many different materials. It is hard to make the best use of recycling with so many materials.
- Contamination is a big barrier.

Identifying Barriers and Key Challenges - What could Metro Vancouver do?

Key takeaways: (1) Eliminate single use plastics in the design of products, (2) make sorting / recycling easier, reduce the complexity of materials upstream, (3) increase the number of depots, make them more available to communities e.g. host them in public buildings, (4) ensure new constructions have large enough waste rooms for all the bins, (5) mandate composting and recycling at events, (6) pilot streetside recycling and compost.

- Metro could make it a lot easier for people to sort, and realize what needs to be sorted
    - The single use water container is a plague; it can't be reused, it's too thin. Eliminate it! He sees it in the news; what a disaster, they ship in thousands of these single use water bottles, but there are the water supply companies that deliver in the large containers - ship those out, and use small reusable permanent water bottles. That in itself would save a huge amount of waste.
- A lot of companies that make plastic develop new plastics for patent purposes; the government should restrain that and say, if you come up with a new plastic, you have to demonstrate that it can be economically recycled, otherwise you can't make it. That would help a lot
    - Eliminate single use plastics
    - Create an education system about how plastics can be reused safely
    - E.g. 3D printing uses plastics; if they make items like hard shell cases that can be ground up and used in 3d printers, that'd be great
    - Plastic itself is not evil, it's that our waste of it is bad.

Identifying Barriers and Key Challenges - What could Metro Vancouver do?

- There aren't enough people at transfer stations to catch folks who are poorly operating - the transfer station is just one point; the haulers are bringing in waste from multiple buildings, so there's a bit of a MISS there.
    - Accountability - it's hard when there's no MEANS of putting the accountability back on the individual within a multi-family building / strata. It seems to be missing something in that equation.
- I think Metro already is beginning this campaign, but my suggestion is to reinforce in the mindset of the public that materials that go in your Recycle BC bin DO get properly recycled. The CBC report that came out 2 years ago that shows material is not recycled has grown wings and lives on in the minds of Canadians still, even though it's not true for BC's bales of material. That report turned many people from active participants in the recycling program into people who are ambivalent and half-heartedly participating (if at all).
- In ALL new buildings the waste sorting area should be built sufficiently large
- Provide more targeted education on what can and can't be recycled
- Provide multilingual education about proper recycling
    - I do think that; you know, we said we have a few little advertisements, like the think thrice textiles campaign;
    - Well, can we get similar things into our multicultural local channels and things like that, because we want EVERYBODY to know
- Educating the children, getting it in the school system, so that kids can educate their families
- Support programs for depot deliveries / help
- Fund pilots for streetside / curbside organics bins
- Host depots in public buildings
    - Encourage other public buildings to be waste depots; increase the number of depots
- Promote expansion of EPR programs so that all items are covered
- Mandate recycling, compost at public events
- What is Metro Vancouver's authority in regulating the sale of goods? And the province, what are the barriers they have in sales prevention for different items? E.g. fast fashion, plastics. Prevent the sale of wasteful products.

Collaboration Opportunities

Key takeaways: (1) Repair Cafes and Buy Nothing groups, (2) community events with food vendors, (3) multi-family buildings to improve consistency across them and between work and home, (4) community centers, libraries, public buildings, parks (for consistent sorting / more drop-off locations) (5) other cities/regions around the world who've implemented things Metro Van is considering, (6) mandate reusables for items like coffee cups, require that both use-there and takeaway cups are reusable.

- Repair Cafes
    - I'd like to see more of those offered on a donation basis, or organized by places that sell products.
    - I went to Salvation Army and saw tons of kitchen appliances - instead of people putting things in the back alley, why isn't there a better system to give it to some place and they'll try to match it up with someone who will want it - if it's broken, can it be fixed before it goes into the landfill?
    - Places don't fix it because there are no more parts in this thing; it's cheaper to buy a new one, and it's unfortunate that is the mentality - oh i need a new one of these things because buying a used one, isn't feasible. People need to shift that - I give

Collaboration Opportunities

away a lot of things that are useful for other people, but if people don't have that mentality, it just goes in the bin.

- The Buy Nothing Groups are wonderful for redistributing stuff we no longer need
- One thing about the composting system - evidently, there is packaging that is mixed, like the supposedly compostable bags - but that cannot go into the composting system.
    - There could be some system that could compost them. Could we prioritize creating systems that actually can manage these materials?
- An area we could really have a larger impact, with a lot of people, is community events
    - I see large-scale community events where there's a lot of food vendors, lots of thins going on, and even though there are recycling stations at many of the events, at the end of the day it's always a huge amount of garbage because of things being sold and used in doing these events
    - As she mentioned, she's trying to do at Trout Lake Community Center, they've been pushing to rethink how they do community events, by asking people if they provide food at an event, they'll think about food that's not requiring plates and utensils and bowls. This is something we could push for on a community level, and/or something to bring awareness of the kind of trash we create.
- We need to support good coordination for events to have good diversion. With managed waste coordination, you can get 70 to 80% diversion.
- Consistency - sometimes things are not consistent between companies, and between buildings. In our multi family building it seems like we get different information from time to time, and it seems like different buildings have different rules, so some kind of consistency would be really helpful.
- Organizations that regularly host events
- Farmer's markets
- Public parks, parks board
- Libraries
- Community centers
- Can Metro Vancouver work more with the upcoming or reuse cups - the reusables, the Sharewares, that concept that you put it into much more of a have-to-use?
- One of the things I'd really love Metro to do is look at what's working in other places. When we were talking about Sharewares, in NYC, there's bins outside subways where you pop the sharewares things - it's so convenient to use the reusable cups for coffee, because you can drop them everywhere.
    - In Vancouver, we drink a lot of coffee - but make it more of a process that (the stores) have to use (reusables). Like, everybody has to use reusable inside, and a percentage of your outgoing cups have to be reused; make it a requirement for companies.
- Even if it's made of wood, everything has to be reusable.
- How is it working worldwide? Where is it working well, and let's learn from them.

Wins - what's going well and shouldn't be changed?

Key takeaways: (1) the blue box system for packaging, paper, glass and plastic, (2) the curbside organics program / organics ban in landfill, (3) EPR programs in BC are world-leading (4) Maple Ridge's curbside pickup for Other Plastics stream as of January 1, 2025, (5) garbage pickup being weekly but compost every other week, (6) provision of home compost bins (encourage home composting more!)

- A fantastic blue box system for packaging and paper and glass and plastic;
- The composting mandate - organics ban to landfill

Wins - what's going well and shouldn't be changed?
● In general, BCs EPR programs are numerous and dare I say robust. There are a good number of drop-off locations but one could argue we need more. ● The recycling collection is working well - she works in an apartment building which has a variety of bins beyond blue box - but not everyone is working in a MF building ○ Not everyone is able to drop off recyclables to the facility; because of transportation issues, in bulk, or traveling in cars. ○ Having more DROP OFF STATIONS or PICK UP LOCATIONS would help more people to get into the action, especially for seniors who may have mobility issues and accessibility issues. ○ This is another thing they've been doing at Trout Lake - volunteer-run pickup and drop off weekly; so they can collect things like styrofoam, plastic, batteries, electronics; and their volunteers, neighbours who can drop off once a week, and volunteers take it to the recycling station - that could be expanded on ● The EPR program has funded so much great infrastructure. MURFs, processors, collectors etc. ● The organics ban made us all switch to composting with relative ease , residentially and commercially. ● As of January 1, 2025, Maple Ridge and Pitt meadows will have curbside pickup for Other Plastics. Remple is the hauler for this. ● Garbage picked up weekly, but compost every other week. It helps people understand they have to cut back on their garbage because the cans are getting full. It's a good system to use ● In my area, there are even some seasons where compost is only every 2nd week as well, which I think is good. The fact they're taking compost in the first place is amazing. ● The compost being taken away is good for folks who can't compost but I fill my compost bin every week, it's full to the top ○ I have 7 composters in my backyard, and 3 worm composters. Mind you, I've got a community garden in my backyard so we do have more stuff come in. ○ I think providing GOOD QUALITY COMPOSTERS to people in their own yards, would be great. The ones we get right now don't last very long. They're great at first but parts of them come off, can't tell you how many I've gone through the past 20 years. ○ I LOVE the idea of there being composting happening all over the place ● Can we have a composter in parks? Have a compost bin and let people fill it up. Even though I know how much plastic and garbage ends up in there. ● My goal is to have every house to have a compost bin in its backyard ● The green bin is a wonderful system, and it has definitely diverted a tremendous amount of stuff from landfill, but it has STOPPED people from composting their green waste and garden waste in their own yards, which is a shame ● Generally, in Metro Vancouver, we have one of the best systems of collecting, recycling, composting in the world ○ Not first not the greenest area, but we probably are one of the top municipalities in Canada, and possibly in North America, so we've got a good system, we just can't let go of the gas, we have to keep on making new ideas and new innovations

Wins - what's going well and should be expanded on?	● Metro Vancouver's reusables superhero social media campaign is compelling; this could be circulated with other groups and posters put up around town; also it could be expanded into recycling sorting ● More drop off stations ● Some areas collect soft plastics in along with the recycling, I'd like to see Metro Vancouver add this to our collections ○ (response from another person) I absolutely love the idea of flexible plastics being curbside (and foam, and lightbulbs, and

	batteries, etc.) but I fear the major hurdle will be lack of space in the older buildings to accommodate more streams. It would probably work better in single family first? ● Ban of single use plastics - bags, straws used to be bane of my beefs at restaurants, throw away utensils.
Knowledge gaps and communication - **What types of information would be most helpful for you in furthering your understanding of rethinking and preventing waste in the first place?**	*Takeaways: (1) education for newcomers to the region, (2) statistics on the effectiveness of waste diversion.* ● This project / initiative is part of the larger initiative of the Zero Waste Conference - her organization is going to present to Metro that there needs to be ways in which we can communicate to newcomers to Canada; first generation immigrant Canadians. When she came here 8 years ago she had no idea about recycling, waste management, or the entire concept around what recycling was. ○ There has to be some content that is delivered, keeping in mind different cultural sensitivities and different language ○ There are barriers faced by people not related to this land ○ And people who've been here for 20 to 25 years not acquainted with this system - we have to close that gap ○ One way Metro can ease that is by collaborating with those communities ● Not only international newcomers, Canadians coming to BC from other provinces where recycling/composting is not as strong as here ● I would like to see really good statistics, all the time, every year - how much we collected, how much ended up, where, how much money did it bring, how much money did MV make from the transfer stations, how much money was made by compost facilities to sell back compost to people all over? A LOT of statistics!
Knowledge gaps and communication - **What are some of the ways to engage with Metro Vancouver residents on rethinking and preventing waste in the first place?**	***Takeaways: (1) In person at events, at schools. (2) Messaging across platforms has to be fun, entertaining. (3) Education needs to be provided to teachers to influence students. (4) Waste haulers have a role in providing information in person.*** ● Not everyone is on social media! ● Messaging needs to be fun as well. We created a postcard for Trout Lake Community Centre's Green Committee's "No Balloon" campaign, and also posted them on social media, which received the most views. ● In person from the waste hauler. They're already coming to the building; if they're able to provide information to a resident, a strata council, a property manager first hand - here's some flyers, put them up, or waste haulers coming to a building to provide more outreach ○ Building on waste haulers - one of the challenges is there is not much accountability from them, they're just providing a service to get trash from here to there, there's not necessarily - some of them are there to make money first, they're not there to be the best movers and shakers in waste; so, somehow metro vancouver, the BC government, to put more responsibility and accountability to be a PART of the solution rather than just a part of the problem ● Not just one avenue, we need to attack it from different ways.

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The idea of people being OUT at more EVENTS explaining our waste system. Having people HAVE a table at those farmers markets, HAVE a table at our repair cafes, have people EXPLAIN what works and what doesn’t work. At the Diwali Festival, why don't we have tables?

Tables at schools and highschools, especially because those are the ones who will become the adults of the future
We have to teach the teachers

I am always having to teach the teachers, it drives me CRAZY how many adults do not know. There’s a lot of people I would give up on at this point.

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<tr><td>Access to Information - How would you or your community like to receive communications about solid waste? (Single Choice)</td><td>
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<tr><th>Option</th><th>Oct 16</th><th>Dec 5</th></tr>
<tr><td>Emails</td><td>2/11</td><td>4/4</td></tr>
<tr><td>Social media</td><td>4/11</td><td>0</td></tr>
<tr><td>Out-of-home advertising (bus ads, billboards, etc)</td><td>2/11</td><td>0</td></tr>
<tr><td>Website</td><td>2/11</td><td>0</td></tr>
<tr><td>In-person</td><td>0/11</td><td>0</td></tr>
<tr><td>Other*</td><td>1/11</td><td>0</td></tr>
<tr><td colspan="3">*The respondent who selected ‘other’ said they want communication to be across many platforms</td></tr>
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Closing Discussion

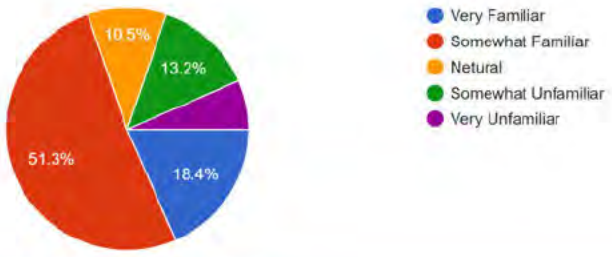
Key takeaways: (1) Move the focus upstream onto the design of products and packaging to reduce and prevent waste in the first place, (2) Provide education both on proper recycling AND on ways to reduce waste from individual choices too, (3) improve confidence in recycling systems by sharing the success stories for our region, compared to statistics people hear from a more national and global level, (4) tell people how much it costs to handle their garbage, more than just on their property tax bill.

- Reinforcing; leaning on retailers - they’re one of the chains of custody of waste materials, recycled materials, they’re the ones that seem to be the least engaged, least incentivized, least motivated. All the other stakeholders have made so many efforts to engage and incentivize them, and provide a pathway to choose packaging free or reduce waste in general, maybe that’s the one stakeholder that we still have that really hasn't been engaged.
    - I love seeing them pop up, but in the recent years, many of them have gone out of business - not enough people are supporting them - the bulk stores like Refilleries and Nada Grocery
- A question - a few years ago, Metro Van or CoV were going to have an app that you could put in and check if this thing is recyclable; not sure if that still exists - is there something LIKE that? Now that technology and AI are big
    - She’s been to Globe many times and there’s often a machine that will sort recycling for you - but maybe using some of that technology in those ways
- There are options like https://recyclebc.ca/what-can-i-recycle/, VanCollect, and RCBCs Recyclopedia, 311
- What was just said about the blue bin being a barrier to people actually making better decisions about what they buy -
    - What was said about getting STATISTICS, for ME, seeing the statistics about how POORLY we are doing with the amount of recycling, and how recycling is NOT the answer - I think this makes people think twice about what they buy

Closing Discussion
○ If we are giving statistics that say ; ah, this much is recycled, isn't that great? Then people will be buying things that are recyclable because they think it's getting taken care of ○ But if i see a static that says 9% or even 20% and THEREFORE please don't buy things that are plastic, i might look for another option, look more strongly for another option • One thing - the COST of garbage collection is hidden from people. You only find out about it if you have a property tax bill, you can see buried under the MV part there, there's an amount for garbage collection based on the size of container you have, which is for a single family dwelling. It would be good if that was this reminder MORE than once a year! • They could make - there are 3 sizes of garbage bins - for a single family house - maybe there could be a fourth one, you pay even less if you waste less ○ The size sets the expectation for how much you waste, so include an even smaller one • If you don't put garbage out for 3 different collection dates, you get a rebate. That could take a lot of management, though. • I think for me - educate kids and look around the world to see what's working in other places • We need to be more aware of what actually happens with our waste; how little is recycled, how degraded recycling quickly becomes, how much it costs us, individually, AND what alternate options are available, then I would expect that people might vote with their wallet by making better choices about the products that they buy.

Demographics Summary	• City of Vancouver (majority) • New Westminster (1 person)

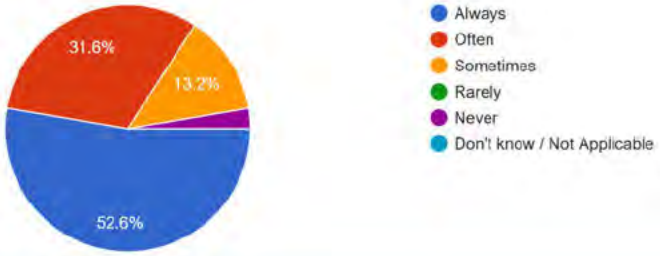
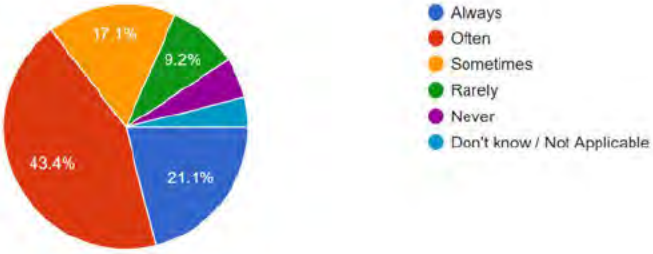
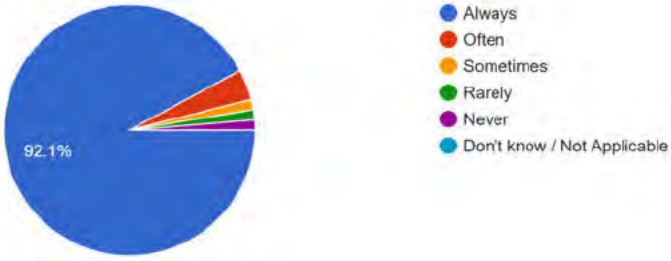
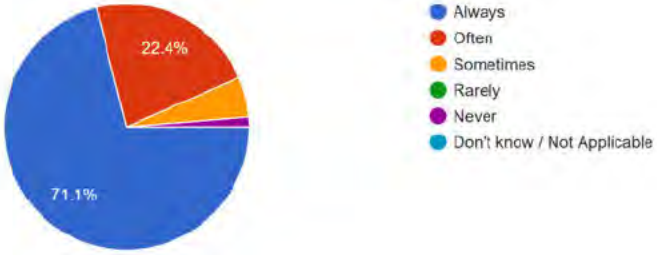
Engagement Questionnaire Results

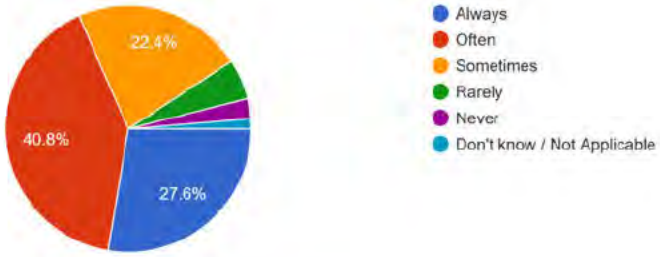
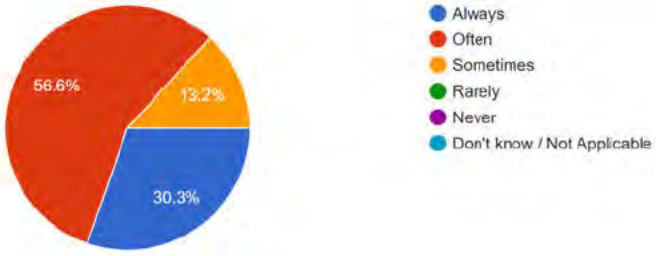
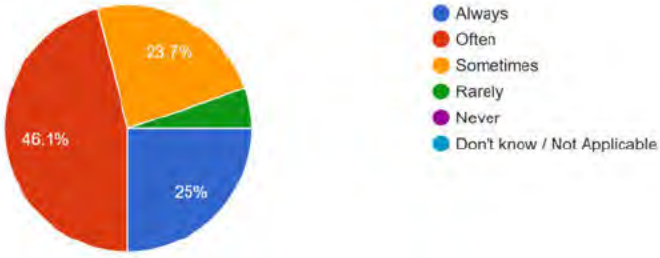
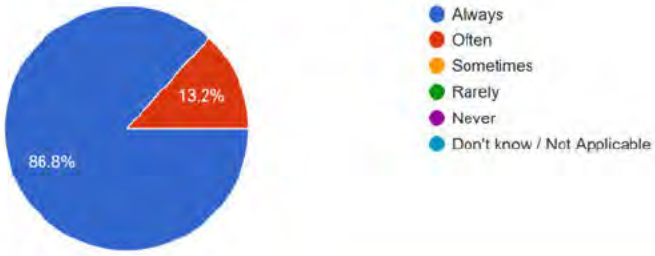
Topic/Question	What was said
How familiar are you with Metro Vancouver's role in waste reduction, recycling, and garbage management?	How familiar are you with Metro Vancouver's role in waste reduction, recycling, and garbage management? 76 responses 

How often do you do the following to reduce waste?

NOTE the colour coding on the next eight pie charts is the same:

Dark blue = Always
Red = Often
Orange = Sometimes
Green = Rarely
Purple = Never
Light Blue = Don't know / not applicable

Meal plan to avoid food waste	Meal plan to avoid food waste 76 responses 
Bring reusables for takeout (cups, dishes, utensils)	Bring reusables for takeout (cups, dishes, utensils) 76 responses 
Compost organic waste including food scraps and yard trimmings (e.g. backyard composting, green bin pickup)	Compost organic waste including food scraps and yard trimmings (e.g. backyard composting, green bin pickup) 76 responses 
Pass down or donate unwanted clothes, or participate in clothing swaps	Pass down or donate unwanted clothes, or participate in clothing swaps 76 responses 

Repair items, bring items to repair cafes, or pay to have them repaired rather than disposing	Repair items, bring items to repair cafes, or pay to have them repaired rather than disposing 76 responses 
Reuse or repurpose items instead of disposing (wrapping paper, food containers, plant pots, etc)	Reuse or repurpose items instead of disposing (wrapping paper, food containers, plant pots, etc) 76 responses 
Buy, gift, receive or trade second-hand items	Buy, gift, receive or trade second-hand items 76 responses 
Bring your own reusable shopping bag	Bring your own reusable shopping bag 76 responses 

Is there anything else not listed here that you always or often do to reduce waste? (optional question)

39 responses

One respondent said 'No' to this question. The remaining responses have been grouped into the following themes, in order of the most responses:

- *Reduced packaging consumption, especially plastic packaging (16 responses)*
- *Consciously reducing overall consumption and consumption of specific unnecessary items (15)*
- *Food waste prevention and reduction (12 responses)*
- *In-home reuse activities / replacing single-use household items (9 responses)*
- *Advocacy (5 responses)*
- *Diversion efforts (4 responses)*
- *Prioritize durability (3 responses)*
- *Salvage (1 response)*
- *Suggestion for Metro Vancouver to do an input survey for school children (1 response)*

Response wording is either provided exactly as the respondent stated or slightly abridged. If a response describes activities falling under more than one group, the response has been split accordingly.

Reduced packaging consumption, especially plastic packaging (16 responses)

- Buy in bulk
- Avoid online shopping to reduce all the packaging that comes with items
- *Bring reusable shopping bags, including*
    - mesh or paper for produce
    - Use reusable produce bags and avoid the use of plastic whenever possible.
    - I bring my own vegetable bags.
    - Reusable container to butcher to avoid pre-packaged raw meat
    - Reuse plastic produce bags if necessary (or avoid using all together),
- Never buy take-out to avoid the fabric bags they come in
- Say no to free bags
- Tell stores you don't want disposable cutlery, plastic bags, straws,
- buy things with less packaging
- Ask for bakery items 'for here' to be put on a napkin instead of branded paper bags
- Buy food as packaging free as possible / bulk and reduce or stop buying take out to avoid containers.
- select products to avoid packaging waste to begin with, buy local instead of online to avoid packaging waste
- *Do not buy*
    - Disposable food wrap
    - Wrapped produce

Consciously reducing overall consumption and consumption of specific unnecessary items (15)

- Avoid purchasing unneeded things.
- Buy less stuff!
- try to reduce our overall consumption (best solution to most environmental issues I believe).
- Don't buy unnecessary items.
- Think about waste before buying a new item. Do I need it? Can I get one that's not new but still good?
- Stop and think before purchasing. Try to shop in zero waste shops (eg Soap Dispensary on Main St) or buy in bulk when possible
- Avoid purchasing what I do not need
- Do not buy or take unnecessary goods/gifts;
- avoid buying products that a re-purposed item could fill the need of

Is there anything else not listed here that you always or often do to reduce waste? (optional question)

- Reduce consumption of stuff.
- Buy fewer things
- Refuse buying things and waiting for a bit to see if I really need or want it.
- Ask for papers not to be stapled
- I don't eat out
- avoid ordering food delivery/ takeout

Food waste prevention (12 responses)

- Google recipes to use up food stuffs in the house
- Divert some of our waste food to a worm bin
- Gardening to grow food
- Regrow vegetable scraps
- Save seeds
- Convert food scraps into vegetable stock, including dehydrating
- Make my own products rather than buying (yogurt, oat milk, sprouts, etc)
- Return batteries and electronic waste to recycling depots
- Participate in a food redistribution program
- Participate in surplus food recovery programs (Vancouver Food Runners, Neighbourhood House, Too Good To Go)
- Give away excess garden vegetables
- Grow my own herbs so I don't have to buy herb packs
- I don't eat out, I google recipes to use up food stuffs in the house,

In-home reuse activities / replacing single-use household items (9 responses)

- Reuse Bath water for plants.
- Using pee cloths rather than toilet paper
- Using plates, not plastic wrap, to cover food.
- Flush dog waste and rinse to reuse waste bag
- Wash and reuse many consumer-packaged-goods containers (ziploc bags, glass bottles, glass jars)
- Reuse plastic bags for small home garbage
- Borrow or share items
- I give away things I find in the back alley/at work/on my walks on a weekly basis
- Nest containers, as so they take up less volume

Advocacy (5 responses)

- Talk to others about how I reduce waste, and lobby my school to stop selling single use bottled water!
- Advocate for better systems
- Advocate waste reduction at community events
- Volunteer at Thrift Shop that prioritises waste reduction.
- Help others become aware of the difference between an item's 'end of use' vs. 'end of life'

Diversion efforts (4 responses)

- Bring items to the Zero Waste Centre
- Use retailer-provided recycling (London Drugs, Staples, opticians)
- We recycle as much as possible (GoGreen Depots, Municipal),
- Recycle everything.

Prioritize durability (3 responses)

- Buy quality products that should last longer
- Purchase quality products that last a long time
- Keep vehicle for >10 years

Is there anything else not listed here that you always or often do to reduce waste? (optional question)

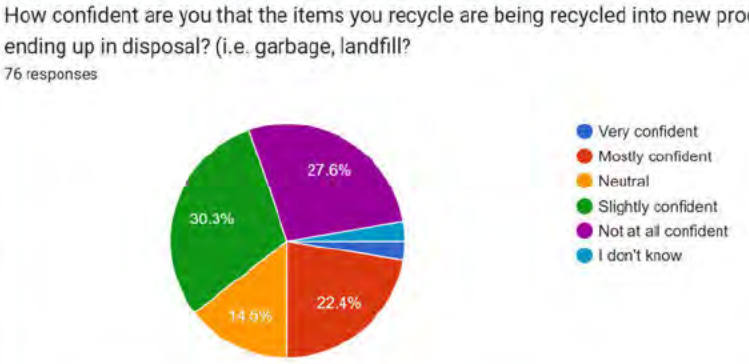
Salvage (1 response)

- Save plants and garden decor from sites where houses are being torn down

Suggestions for Metro Vancouver - make an input survey for school children (1 response)

- Please make a kid friendly survey to send to schools!

How confident are you that the items you recycle are being recycled into new products instead of ending up in disposal? (i.e. garbage, landfill?

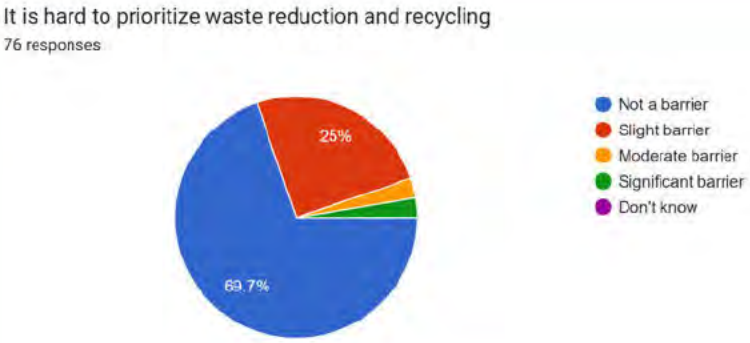


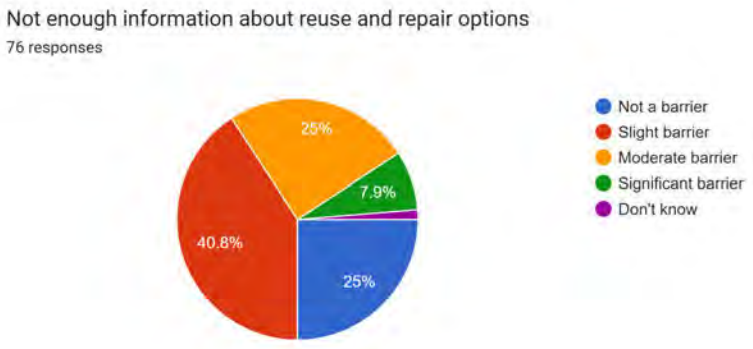
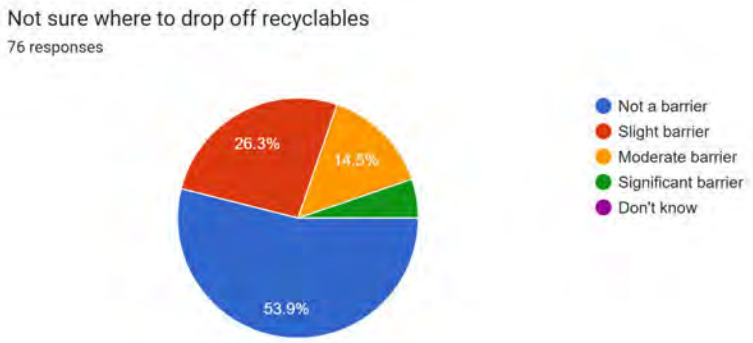
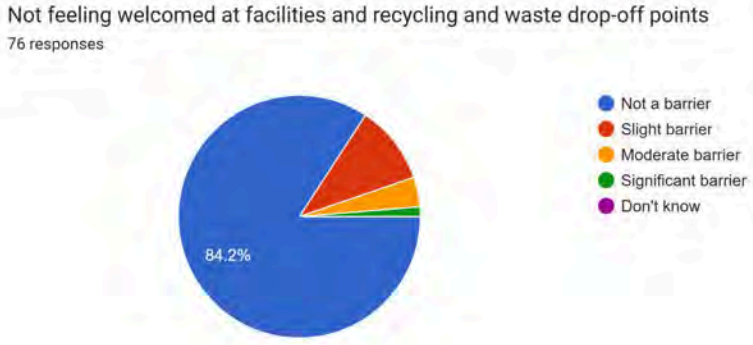
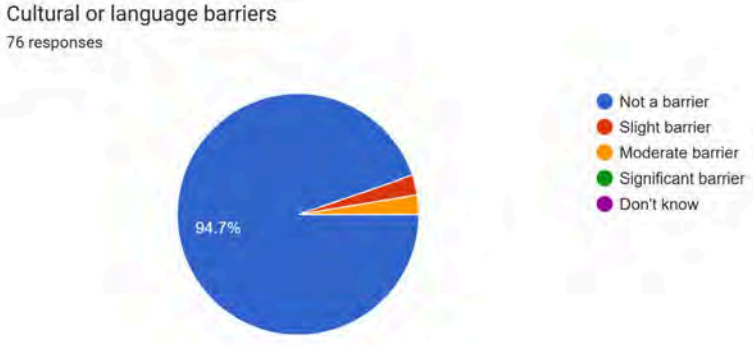
To what extent do the potential barriers below prevent you and your household from participating more actively in waste reduction and recycling efforts?

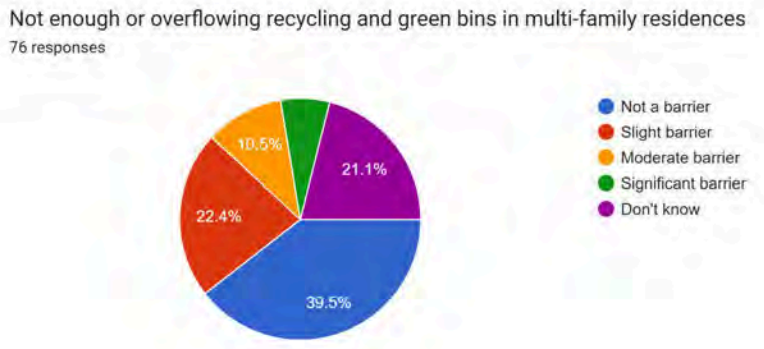
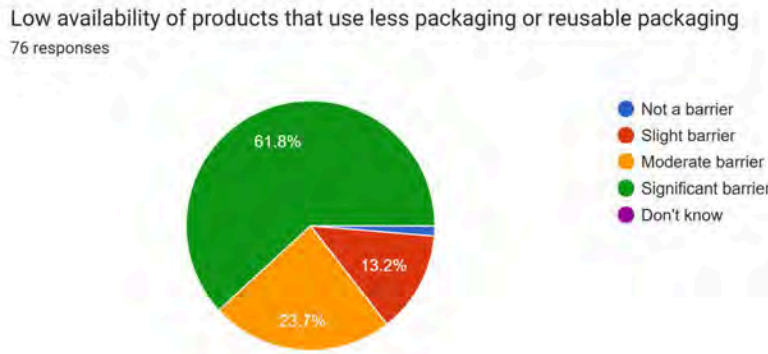
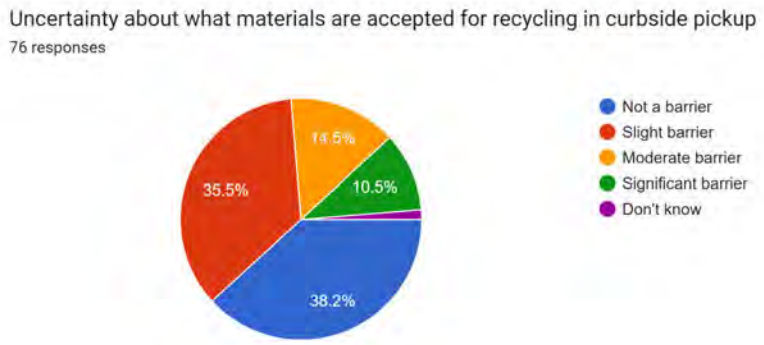
NOTE the colour coding on the next eight pie charts is the same.

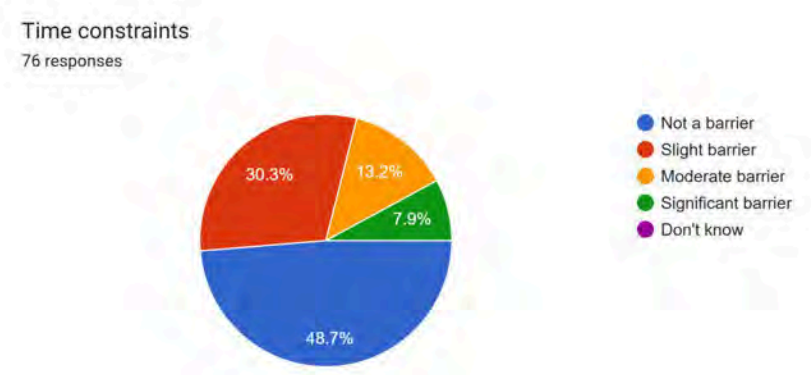
Dark blue = Not a barrier
Red = Slight barrier
Orange = Moderate barrier
Green = Significant barrier
Purple = Don't know

It is hard to prioritize waste reduction and recycling



Not enough information about reuse and repair options	
Not sure where to drop off recyclables	
Not feeling welcomed at facilities and recycling and waste drop-off points	
Cultural or language barriers	

Safety and cleanliness at facilities or recycling and waste drop-off points	
Not enough or overflowing recycling and green bins in multi-family residences	
Low availability of products that use less packaging or reusable packaging	
Uncertainty about what materials are accepted for recycling in curbside pickup	

Time constraints	

Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts? (optional question)

38 responses

One respondent said 'No'. The remaining responses are grouped into these themes:

- *Depot drop-off is difficult (10 responses)*
- *Diversion options lacking for many materials (5 responses)*
- *Curbside pickup is preferred over depot drop-off (4 responses)*
- *Diversion messaging is mixed, not unified, or could be improved (3 responses)*
- *Cost (3 responses)*
- *Space constraints (2 responses)*
- *Contamination in multi-family buildings (2 responses)*
- *Suggestion to improve support for and frequency of repair cafes (2 responses)*
- *Bears prevent composting (1 response)*
- *Cultural stigma (1 response)*
- *Culture of focus on individual behaviour change detracts from prevention (1 response)*
- *Diversion options lacking at work (1 response)*
- *Hard to reach consensus in a strata (1 response)*
- *Physical limitations to accessing bins (1 response)*
- *Time constraints (1 response)*
- *Volume of packaging is hard to reuse (1 response)*

Wording is provided as the respondent stated, except where a response describes multiple thoughts falling under different themes, in which case the response is divided accordingly.

Depot drop-off is difficult (10 responses)

- no car, not gonna transit or car share to drop waste off at the waste depot. London Drugs accepting non-curbside waste is EXCELLENT for convenience.
- Do not have a vehicle so transport to depots can be logistically challenging
- My full-time employed adult child also lacks the time and vehicle to make special trips to her closest zero waste and recycling depots.
- Not having another comprehensive drop-off depot similar to the Vancouver Zero Waste Centre in the downtown core is a barrier because the current Zero Waste Centre is significantly out of the way for those of us who live downtown
- You basically need a car to carry heavy metals to a recycling depot
- How to transport larger items to recycling stations when you don't have access to a vehicle to take them.
- Our household garbage fills regularly with flexible plastic packaging such as bread bags, fresh pasta packages, bags of rice, and the wrapping on meat, vegetables, and cheese. I have been unwilling to

Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts? (optional question)

collect all this soft packaging and drop it off at London Drugs, our local collection site, so into the trash it goes. I lack the motivation or enthusiasm to recycle soft plastic packaging because the amount of it seems overwhelming.
- It is a barrier to get to the Zero Waste facility to recycle soft plastics and other items not taken at curbside.
- I don't have a car to get much of my stuff to depots
- (Need) More Convenient drop-offs for styrofoam, metals, razors, electronics, textiles.

Diversion options lacking for many materials (5 responses)
- There are no options for many materials or products that could be recycled (books, car seats, furniture, etc.).
- Not enough depots that accept certain recyclables (i.e. plastics); not enough recycling bins in malls, parks, schools, etc.
- Lack of options to recycle some items (i.e. Textiles, shoes..) the waste wizard mostly directs to "bin" these items
- Items where there are no recycling options, for example: 1. silicone (so many products made of silicone now - snack bags, oven mitts, baking dishes, and no where to take them to recycle when they are at end-of-life), 2, paper bags with plastic liners (eg paper/plastic coffee bags (like JJ Bean), Que Pasa chip bags)
- More complex items (including electronics, furniture, multi-material goods) that have reached the end of their functional life, without valid repair options, and too worn down as to not warrant a donation/trade/sell in the secondhand market, are often difficult to dispose of without outright landfilling them, as it is difficult to break down and properly recycle their different components.

Curbside pickup is preferred over depot drop-off (4 responses)
- Plastic packaging bags should be collected at the curb. At our 4-people household, we produce 4x the volume of packaging (plastic) than actual trash being sent to the landfill. So, maybe have an extra bin for pickup?
- Soft plastics not collected at the curb
- Would like there to be a bag for collecting soft plastics, alongside other recycling
- Never having a reuse pickup day at my curb

Diversion messaging is mixed, not unified, or could be improved (3 responses)
- I'm hearing mixed messaging about compostable single use items (eg coffee cup lids)
- Each municipality accepts different items in curbside recycling, better signage
- Lack of regulation for biomaterials. Clear definitions on biodegradable, compostable, home-compostable, etc.

Cost (3 responses)
- Cost of glass vs plastic
- Lack of knowledge about how to repair and high cost of repair and high cost of more durable alternatives
- …the cost for repair on these items (complex items like electronics, furniture, multi-material goods) is often not worth the extended life out of them, as they have been sufficiently well used and carry a low percentage of their initial value, or have been rendered obsolete in the current market.

Space constraints (2 responses)
- For my adult child's household, space constraints are a barrier to storage of non-curbside recyclable materials.
- I am concerned that densification is reducing the amount of green space per household, reducing the opportunities for reusing compost on our own land and for growing our own food.

Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts? (optional question)

Contamination in multi-family buildings (2 responses)

- Other members in multi-family unit who mis-use bins
- Others in my condo building put un-recyclable and un-compostable items in blue and green bins.

Suggestion to improve support for and frequency of repair cafes (2 responses)

- I'd like the city to take a more active approach to supporting repair cafes and mending groups. This includes advertising to households so we know where to go and what's out there.
- More frequent repair cafes

Bears prevent composting (1 response)

- Living in North Van, we do not compost due to the prevalence of bears. We even build bear bins for our waste bins and the risk is not worth recycling organics. We have regular issues with bears.

Cultural stigma (1 response)

- Cultural stigma regarding used items

Culture of focus on individual behaviour change detracts from prevention (1 response)

- Why is the onus always on the individual? manufacturers and businesses should be doing much more to prevent waste in the first place (reduce it is second, preventing it is my first concern).

Diversion options lacking at work (1 response)

- Work (Park Royal store) doesn't have facilities to recycle drink containers, plastic bags, paper, plastic food containers, paper or compost. Only cardboard or garbage is collected. I have to take it home if I want to "do the right thing".

Hard to reach consensus in a strata (1 response)

- barriers in getting agreement amongst strata unit owners

Physical limitations to accessing bins (1 response)

- I'm short and have arthritis and the massive yard waste and recycling bins at my housing co-op are hard for me to access.

Time constraints (1 response)

- Time, specifically having to work to survive, means poor work life balance so circular economy / repairing items / shopping used/secondhand is too much work for the time available. 40 hour work weeks, cost of living, reduction is community support , etc. Etc. means less time on thriving & focusing on what is best long term, or even the future outside (or during...) our lifetime.

Volume of packaging is hard to reuse (1 response)

- Such a high volume of packaging & short-lifespan items that are a part of everyday goods, particularly food (despite a dedicated effort to avoid it), makes it nearly impossible to repurpose it all, and depend on recycling.

How well do you think current waste management programs and services work for everyone in the community?



Which community members do you think may be having a difficult time with the current programs and services?

69 responses

Responses are grouped by the following themes, in order of the number of responses which mentioned it.

- *People without a car (13 responses)*
- *Multi-family residents (12 responses)*
- *People with language barriers (12 responses)*
- *Seniors (11 responses)*
- *People who don't care or aren't interested (9 responses)*
- *Newcomers / immigrants (8 responses)*
- *People with illness, disabilities or mobility barriers (7 responses)*
- *Those lacking education / exposure to recycling (7 responses)*
- *Busy households, families (6 responses)*
- *People in poverty or who are unhoused (6 responses)*
- *Those who lack time / are overwhelmed (4 responses)*
- *People lacking access to services/programs, including students and rural residents (3 responses)*
- *Low income people and families (3 responses)*
- *Space limitations in households (2 responses)*
- *People with bigger issues than waste (2 responses)*
- *Young people and young families (3 responses)*
- *People lacking enforcement (2 responses)*
- *Food service workers abiding by regulations (1 response)*
- *People who hoard (1 response)*

Wording is provided as the respondent stated, except where a response describes multiple thoughts falling under different themes, in which case the response is divided accordingly. Where multiple responses are exactly the same, the number of responses with that wording is provided.

People without a car (13 responses)

- members that do not have a car.
- households with no vehicles and little storage space.
- those without a car to take things to zero waste centre
- Those without cars, newcomers, multifamily building occupants
- Those without a car, who don't speak English, who don't have disposable time to spend on accessing programs and services
- It's hard to access recycling for more complex items like batteries and electronics without a car
- People without cars accessing the returns for 10 cents
- no vehicle, disabled

Which community members do you think may be having a difficult time with the current programs and services?

- Also it's hard for people without cars to get to the Zero Waste Center that we can drive to.
- and people that don't have vehicles. Ie: Electronic recycling places are in areas that are not near bus or transit.
- People without reliable transport preventing them from bringing non-curbside pickup items to depots.
- those without vehicles
- (Community members that lack) transportation
- people without a car to travel to recycling centers

Multi-family residents (12 responses)

- Condos
- multi residential
- Multi residential community
- Multi family residences / residents (3 responses)
- Multi unit housing
- people in multi-family dwellings
- multifamily developments with high turnover of residents and staff;
- Apartment dwellers, housing instability
- I have heard that some multi-family recycling processes are not great.
- People who live in apartments,

People with language barriers (12 responses)

- People who only speak Chinese
- Folks with language barriers might have a tough time recycling with all the particulars of what can and can't be recycled.
- non-English speakers;
- people with English as a second language,
- Members who don't speak English
- People who do not read English well
- Not reading English. — lack of previous familiarity with recycling bins
- English Language Learners or immigrants
- Non-English speaking, people with disabilities, low income persons
- ESL & people new to Vancr who can't read the info or aren't familiar
- people with low literacy rates and/or limited English
- folks with language barriers;

Seniors (11 responses)

- Seniors (7 responses)
- Elderly (2 responses)
- Elderly who can't travel with heavy recyclables
- Possibly older folks of immigrants whose language is not English. Our disposable society often is ingrained in the younger generation.

People who don't care or aren't interested (9 responses)

- those who don't care about the environmental impacts of creating garbage
- I don't think proper sorting/cleaning of recycling is a priority for most people
- Uninterested, uncooperative residents
- Wealthy people because they just don't care and they don't prioritize learning about how to reduce waste properly
- People who don't care, don't have time, don't have vehicles

Which community members do you think may be having a difficult time with the current programs and services?

- Drop off to zero waste for soft plastics -people don't bother with because we're told it's being burned.
- Lazy non-recyclers.
- Some are just not interested or don't understand the benefits of recycling.
- Many people that have the perception that effectively managing and reducing their personal waste is overly complex and time consuming, and more expensive. The ease and ubiquity of disposable items and packaging, the speed at which we use and turn-over goods, even with the existence of second hand markets and services, is embedded in our convenience and consumption based culture. It is a foundational problem that makes widespread waste reduction (and not just waste diversion) a significant challenge.

Newcomers / immigrants (8 responses)

- Immigrants
- New/recent immigrants (3 responses)
- Immigrants from countries with non-existent recycling who are used to throwing everything away.
- newcomers; newcomers to Metro Vancouver (2 responses)
- Newcomers/immigrants unfamiliar with recycling entirely or in this community

People with illness, disabilities or mobility barriers (7 responses)

- Disabled. (2 responses)
- People with mobility issues, people who don't have access to easy transportation of bulky stuff
- Anyone with mobility challenges, multi-family residences may not be as careful about sorting the recycling (contamination) at least in my building
- folks with disabilities & mobility restraints;
- disabled people who can't travel with heavy recyclables,
- maybe those confined to their home through illness or incapacity

Those lacking education / exposure to recycling (7 responses)

- I know a few people that do not separate their waste at all. They put everything in the landfill, even compostables. These people should be fined and educated. Enforcement is needed.
- Those lacking experience or education on the topic.
- I think a lot of people still don't understand recycling needs to be clean, or what can go into a compost bin.
- people who don't understand what can go into the different bins and how the items should or should not be broken down before putting in the bin.
- People(who) don't know, don't understand
- (Community members that) are uneducated on the programs/resources in place
- People who aren't used to recycling and composting. Each municipally issued bin should be labelled with what can go in.

Busy households, families (6 responses)

- households with full-time employed adults and dependent children;
- People with busy lifestyles
- single parents
- people with multiple part time jobs;
- large families.
- Professionals

People in poverty or who are unhoused (6 responses)

- Homeless (2 responses)
- unhoused folks

Which community members do you think may be having a difficult time with the current programs and services?

- Underhoused individuals
- Community members in poverty
- Areas of Metro where there is a high level of poverty and crime, such as the Downtown Eastside. There is also a growing incidence of dumping on to streets and in alleyways in even more affluent parts of the city (our alleyway near 16th and Cambie, and recently a load of car tires dumped off Ontario St near Langara Golf Course).

Those who lack time / are overwhelmed (4 responses)

- Members who lack awareness/ don't have the time
- people (who are) generally overwhelmed
- People (who) don't have time to think about material separation.
- Community members that lack time

People lacking access to services/programs, including students and rural residents (3 responses)

- (Community members that lack) accessibility to services/programs,
- people who live in more rural areas not close to recycling depots,
- students at schools that don't have adequate recycling programs

Low income people and families (3 responses)

- Low income families.
- Low income families for whom transportation is difficult
- ow wage earners with long commutes etc

Space limitations in households (2 responses)

- People with small spaces who don't have space for sorting/separating garbage from recycling/compost or living in a household that doesn't prioritize it.
- (People with) limited access to kitchen space who rely on takeout/delivery.

People with bigger issues than waste (2 responses)

- those who have larger issues in life than worrying about how to separate their waste
- big-city single people who are hustling to pay rent

Young people and young families (3 responses)

- Many young people, especially new Canadians, do not know enough about recycling.
- Young families for whom this is not a priority for their limited time and energy
- Young working couples

People lacking enforcement (2 responses)

- apartment buildings where residents don't have a say in waste management practices
- Those not provided with multiple separated bins, and those who do not have anyone checking whether the separation has been done correctly and calling out those who offend.

Food service workers abiding by regulations (1 response)

- food service workers having to follow food safety guidelines,

People who hoard (1 response)

- people with hoarding problems

What can be done to make the programs and services more inclusive so that they work for everyone?

69 responses

Three respondents indicated they did not know. One respondent said this is a good question. The remaining responses are grouped in the following themes:

- *More education and information (including seniors programs, youth) (23 responses)*
- *Increase drop-off locations (10 responses)*
- *Increase what's accepted for curbside recycling (8 responses) two responses specify soft plastics*
- *Make depots / recycling hubs more accessible (7 responses)*
- *Improve services for multi-family buildings (7 responses)*
- *Provide multilingual signage and educational materials (6 responses)*
- *Provide temporary pick up services (5 responses)*
- *Support reuse centers and repair cafes, offer door-to-door repair and reuse (4 responses)*
- *Improve packaging labeling and consistency (4 responses)*
- *Shift cultural norms (4 responses)*
- *Increase standardization/consistency of recycling infrastructure and collection (3 responses)*
- *Work with and recognize the role of community organizations (3 response)*
- *Expand / extend EPR, apply higher deposit fees (2 responses)*
- *Enforce bans, levy fines (2 responses)*
- *Support payment for volunteers organizing relevant events (2 responses)*
- *Encourage retailers to reduce packaging (2 responses)*
- *Simplify (1 response)*
- *Improve accessibility of curbside bins (1 response)*
- *Subsidize the use of compostable packaging for take-out restaurants (1 response)*
- *Promote home composting (1 response)*
- *Support food donation for businesses (1 response)*
- *Encourage foraging (1 response)*
- *Reduce fees (1 response)*

Wording is provided as the respondent stated, except where a response describes multiple thoughts falling under different themes, in which case the response is divided accordingly. Where multiple responses are exactly the same, the number of responses with that wording is provided.

More education and information (including seniors programs, youth) (23 responses)

- More education (2 responses)
- Info sessions for new arrivals
- More information and enforcement.
- help from youths and education / Educate the youth at school / School education programs before grade 5
- Regular flyers and advertising about what can go in.
- Senior programs
- Education and incentives
- Zero Waste info as part of newcomers welcome package,
- Translate notices into other languages.
- Provide community self-organize toolkit
- More education & outreach
- Info sessions educating citizens, city based requirements.
- International students and new Canadians need more instruction on recycling.
- More education and incentives
- Education ; assistance to those groups *(already doing education)*

What can be done to make the programs and services more inclusive so that they work for everyone?

- That's unclear, likely greater education on the broader systems importance and impact while simplifying the recycling process for the individuals to make it easier.
- Raise awareness, increase marketing
- incentives, education, more accessible, postings on municipal websites, public buildings
- frequent reminders of the guidelines. I can't remember the last time I saw a guide to City recycling. Are we still supposed to flatten cans? Is it true that we should not crush dairy cartons? Are egg cartons containers or paper? Can take-away coffee cups go into the recycling? Does a missorted item result in an entire load of recycling being taken to landfill?

Increase drop-off locations (10 responses)

- More locations to drop off recycling.
- Have more recycling drop-off points available;
- Arrange neighbourhood drop off points
- Ensure neighbourhood-scale recycling drop off options.
- Create more drop-off spaces so people don't have to travel far from their residence,
- Community recycle centres, rather than far flung
- Have more recycling bins in public places, schools, apartment buildings, malls, etc
- Community hubs/centres with options for recycling that doesn't get picked up by the city
- Host free public community events in educating the public on waste reduction in parks, schools, community centres, etc.,
- Having more drop off centres for things that are not picked up, or networks of partner organizations like London Drugs.

Increase what's accepted for curbside recycling (8 responses) two responses specify soft plastics

- increase the number of items accepted in the blue bins
- offer curbside collection for more types of waste (mattresses, electronics, soft plastics, styrofoam etc),
- curbside pickup for more recyclables,
- Make recycling tricky items more convenient i.e. collect more recyclables curbside and sort them at a facility
- more categories of curbside collection;
- expand options for recycling
- Find a solution for soft plastics- a way to reuse them so more people will recycle them- maybe include it in home pick up.
- Pick up soft plastics at curbside, send out a flyer 1x year with details to help reduce contamination

Make depots / recycling hubs more accessible (7 responses)

- more *safe* walking/cycling infrastructure in areas with services so folks without cars can get there safely
- Provide more places within walking distance to recycle items not picked up at the curb
- Wider range of hours; locations more easily accessible by public transit
- More accessible options for all people (who have difficulty accessing depots)
- Make the recycling centres more friendly. Also the people who work there look like they live on the street
- Increase accessibility and convenience,
- Make recycling more convenient, New Westminster closed its recycling centre, now many people don't bother sorting.

Improve services for multi-family buildings (7 responses)

- more recycling options in multi residential buildings,
- more services available for people *not* living in single family homes (ie. Apartment buildings, etc.);

What can be done to make the programs and services more inclusive so that they work for everyone?

- building code for multifamily and for commercial and retail that specifies a high standard of space and workforce dedicated to waste management ;
- More multi-family specific education/outreach, media coverage & PSA's,
- Monitoring, fining of building residents
- Ensure every multifamily building has all the recycling/composting options.
- Better management of programs in multi-family buildings? Definitely not the expert on this one.

Provide multilingual signage and educational materials (6 responses)

- More multilingual signage on bins
- signage in multiple languages
- Include multiple languages
- Translate materials and have multicultural education
- More resources in other languages. Important to have outreach to different communities to explain why recycling is important.
- More pictographic sign., more signs in other languages.

Provide temporary pick up services (5 responses)

- Have occasional pick up services or additional local drop point options for special recycling needs
- Have a day that larger items (electronics or small appliances, mattresses) can be picked up from residences. I believe Burnaby municipality has this type of option.
- provide certain days so that certain "non-curbside recyclables" can be put out for pickup at the curbside
- Double down on existing programs like Meals on Wheels and offer recycling pick up at the same time for those who cannot make it to depots on their own.
- pick up service for all recyclables

Support reuse centers and repair cafes, offer door-to-door repair and reuse (4 responses)

- creative reuse centres and free stores where reusable materials can be accessed by the public
- More gov't (city, metro area, provincial, federal) funding & support to organize & run repair cafe's, clothing exchanges, swap meets, etc.;
- I think the city should encourage and support free stores and free libraries so people don't have to dumpster dive for perfectly good items.
- More repair cafes
- Offer reuse and repair options in a door-to-door (or at least throughout the community) distributed manner just like garbage and recycling options are conveniently offered door-to-door.

Improve packaging labeling and consistency (4 responses)

- packaging should not be so complicated, congruency across products.
- other packaging (like bread bags, ice cream cartons, frozen berries pouches) should also have recycling symbols for where it goes, not just 1/2/4/5 containers
- enforcement of penalties for contamination
- "Recyclable container" - whether of glass, plastic or metals - is a greenwashing campaign by Big Industry aimed to make consumers feel better about participating in the polluting of our water, land, animals, bodies and air through the production, transportation and disposal of the products that Industry produces for us to buy and consume. And we should call it what it is. It's bad enough that so little of what we throw into the bin actually gets recycled - about 9% annually, according to various sources. And that, in the case of plastic, the quality deteriorates with each recycling to the point that we are ultimately creating more "trash." In my opinion, the reality that we, as stewards of the earth, have to wrap our heads around, is that "single use" - regardless of the material of the container - is, by definition, the opposite of "green." The solution to stop further pollution of waters, land, air, animals and people is not the continued mass manufacture of yet a greater variety of things for us to

What can be done to make the programs and services more inclusive so that they work for everyone?

use once and then discard of - whether that's by chucking it into the trash, the blue bin, or just straight out the door. It's for us, as individuals, to recognise the fraud. And then, to whatever degree we each are able, to decrease our participation in a system that normalises the production of waste as being inevitable when, with a little creative thinking and a small adjustment in attitude, we can find ways to meet our needs that don't rely upon the production of more waste, necessarily, at all.

Shift cultural norms (4 responses)

- You need to make it not socially acceptable to throw items away that can be reused, repaired or recycled. Reference the "Participaction" campaign in the seventies that got a generation of Canadians moving and investing more in their own health
- build social norms and apply community-based social marketing principles to create a reuse, recycling, circular culture, making that the default option by making it cheaper and easier to do
- Promote simple, and not costly or financially restrictive shifts in consumer behavior to reduce possible waste products at the source, before it reaches the household.
- promote conversations that instill the values of waste reduction as a community responsibility and benefit.

Increase standardization/consistency of recycling infrastructure and collection (3 responses)

- standardize containers
- Ensure that the items collected both from residential and commercial entities are consistent with each other. This also includes being consistent in all of the municipalities that fall within Metro Vancouver. People easily get confused and frustrated when a guidelines they are supposed to follow at home are different than when they are at work or out in the public.
- Make it simpler, clearer instructions, consistency across every communities across BC and provinces.

Work with and recognize the role of community organizations (3 response)

- Community organizations need to step up, and do the work that churches used to do
- Support causes like The Binners Project and other community initiatives that have presence at events with high public visibility
- partner with local waste reduction and environmental organizations to promote and encourage waste reduction.

Expand / extend EPR, apply higher deposit fees (2 responses)

- + have deposits on everything, including styrofoam + metal + electronics.
- Enact stricter policy at the producer and supplier level beyond EPR rules to create a phase-shift in the amount of waste-ready products in the market (single use, food packaging, and beyond)
- have EPR programs pay for pickup of larger items

Enforce bans, levy fines (2 responses)

- Law enforcement, fines probably
- Enforcement. People who do not dispose of their waste properly should be fined after being warned.

Support payment for volunteers organizing relevant events (2 responses)

- more people support from gov't levels (city, metro area, provincial, federal) in actually running events so that volunteers don't get burned out from lack of support;
- paying folks for their time organising events that work towards (reduction and prevention)

Encourage retailers to reduce packaging (2 responses)

- I think there needs to be more to encourage retailers. I can't believe the number of shoppers in the grocery store that still use plastic bags which are provided free for fruit and veg (rather than use their own mesh holder or a tupperware which I bring for soft fruit) and I am always asked or not even

What can be done to make the programs and services more inclusive so that they work for everyone?

asked by the checkout clerk who starts to use a plastic bag to wrap things. Many shops are still keen to put your purchases into their brand bags.
- work with high waste businesses like restaurants to plan out waste reduction strategies,

Simplify (1 response)
- The easier it is = the more compliance there will be.

Improve accessibility of curbside bins (1 response)
- Bins would be too high for a wheelchair user.

Subsidize the use of compostable packaging for take-out restaurants (1 response)
- Subsidies for food establishments to use compostable packaging for takeout,

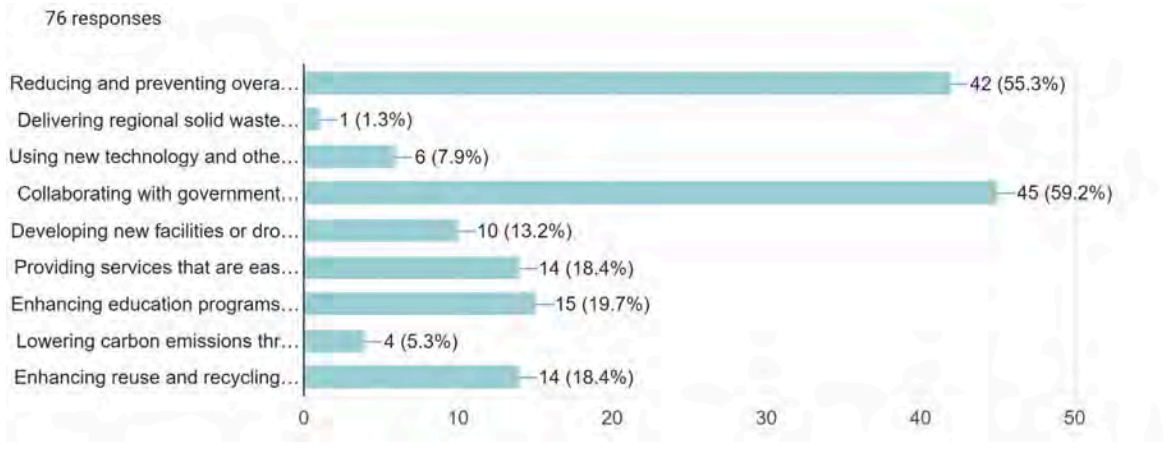
Promote home composting (1 response)
- I would like to see more emphasis put on home composting. I am happy to talk to groups using your excellent leaflet "Here's the Dirt" on the pros and cons, including rats. I'm a Master Composter/Recycler and do regular talks to groups such as garden clubs

Support food donation for businesses (1 response)
- I think the city should support food businesses more in donating their surplus food or reducing their surplus (1 in 9 households in BC are food insecure while something like 48% of food is thrown away). More support for surplus food recovery is a must. Other big cities have it, while Vancouver nonprofits are picking up the slack the municipality creates in this part of the food supply chain. Time to step up

Encourage foraging (1 response)
- encourage use of locally sourced edibles like foraging tea leaves from local plants

Reduce fees (1 response)
- reduce service fees

What should be Metro Vancouver's top priorities for the future when it comes to solid waste management?



Are there other priorities that Metro Vancouver should be considering that are not listed above?

36 responses

This question had the widest spread of responses, i.e. the most independent or unrelated replies.

One respondent said no. One respondent acknowledged that all the previously mentioned initiatives were important. The remaining responses have been grouped into the following themes:

- *Improve construction and demolition waste recovery / disincentivize demolition (4 responses)*
- *Create more drop-off spots for recycling (3 responses)*
- *Create more drop-off spots for recycling (3 responses)*
- *Increase recycling transparency (3 responses)*
- *Force retailers and manufacturers to recycle (3 responses)*
- *Stop the use of single use plastics (2 responses)*
- *Educate on clothing recycling and return systems (2 responses)*
- *Localize recycling (2 responses)*
- *Regulate incoming products (2 responses)*
- *Improve biomaterials acceptance (2 responses)*
- *Champion repair cafes (1 response)*
- *Close the incinerator (1 response)*
- *Improved monitoring and enforcement of contamination limits at transfer stations (1 response)*
- *Collaborate on recycling targets nationwide or worldwide (1 response)*
- *Create specific goals (1 response)*
- *Incentivize companies to not use single-use 'so-called' compostable items (1 response)*
- *Make compliance compulsory; enforce recycling requirements (1 response)*
- *Recover and redistribute surplus food (1 response)*
- *Differentiate reuse and recycling, focus on reuse (1 response)*
- *Improve access to repair cafes - expand hours (1 response)*
- *Reverse the cost differential between reuse and single-use (1 response)*
- *Design better alternatives to single use before pushing regulations on retailers for impractical replacements (1 response)*
- *Create more disincentives for food processing waste (example of fish skins) (1 response)*

Response wording is either provided exactly as the respondent stated or slightly abridged. If a response describes activities falling under more than one group, the response has been split accordingly.

Improve construction and demolition waste recovery / disincentivize demolition (4 responses)

- Reduce the amount of construction materials going into the landfill
- I have just watched the obliteration of several multi story apartment blocks in North Surrey. Little was salvaged, just the big power shovels breaking and crushing. Old lumber tends to be denser, straighter and stronger, but harder to work with. How to remove nails and other metal?
- Our construction industry is booming, and waste along with it I would assume. Isn't everything they use packaged, wrapped, or contained in something? What about broken and surplus tools, parts, and construction material? Does the construction industry take responsibility for managing this in a responsible way, or do they chuck it all to lower their costs? I would investigate and track this industry specifically. The average citizen/consumer can only do so much, and they get most of the attention it seems.
- tackle construction and demolition waste as a priority! lots of organics and recoverables in the landfill from that

Create more drop-off spots for recycling (3 responses)

- Installing more recycling bins at public places, e.g., at Farmers Markets such as Riley Park

Are there other priorities that Metro Vancouver should be considering that are not listed above?

- Neighbourhood drop-off points for soft plastics, styrofoam, metal, electronics, razors, etc.
- More divided (recycling, compost, landfill) receptacles on the streets. Improving signage on these bins so people can sort and dispose of items appropriately

Increase recycling transparency (3 responses)

- more transparency on recycling
- Education in schools and neighbourhood groups
- Finding a solution (other than burning) to reuse soft plastics. Even people in my house throw it in the garbage and I have to go through it to separate and drop it off at zero waste. They say "what's the point?! It's just being burned and polluting the air!"

Force retailers and manufacturers to recycle (3 responses)

- Make Starbucks and other vendors recycle their cups. Since covid they've stopped sorting their waste and so have a lot of other businesses
- Fines for manufacturing waste.
- Enforcement on wasteful manufacturers and citizens.

Stop the use of single use plastics (2 responses)

- Eliminate single use plastics.
- Stop the use of plastic all around, including packaging, wrapping vegetables in plastic- such waste.

Educate on clothing recycling and return systems (2 responses)

- Now older and retired, I am buying much less clothing or material to sew clothes, however, old very worn out clothing, towels and sheets are my biggest nonrecyclable impact. What is fantastic to see are the repair services offered by outdoor companies like Pategonia and Arc'teryx, because it's horrible to toss out a lovely item with many years left, just because the zipper broke.
- Educating on clothing quality drop, across the board, so folks realize buying new is actually not a good deal

Localize recycling (2 responses)

- Metro Vancouver should be working to do as much recycling in house as possible. What would it take to build a glass recycling facility, or a plastics recycling facility?
- Keeping recyclable materials local and processing them here

Regulate incoming products (2 responses)

- help to change policy/ laws for products entering Vancouver; standardize all shopping bags to be one material so it is easier to recycle (no guessing)
- really lobby manufacturers to stop avoidable packaging (e.g. half-full packets of pasta or small granola bars inside wrappers that could easily fit 2)

Improve biomaterials acceptance (2 responses)

- Finding ways to accept biomaterials through innovation. Developing clear guidelines on waste categories on what is recyclable, compostable, home-compostable, etc.
- Accepting biodegradable compost bags in compost and in takeout containers/bags with film

Champion repair cafes (1 response)

- Championing, & materially supporting, repair cafés, clothing swaps, etc. That has an actual concrete effect on reducing the consumption of new items & repair of used items.

Are there other priorities that Metro Vancouver should be considering that are not listed above?

Close the incinerator (1 response)

- Shut down the Burnaby incinerator

Improved monitoring and enforcement of contamination limits at transfer stations (1 response)

- Increased inspector at transfer stations across Metro Vancouver. Too many illegal items are making their way to our landfills because there aren't enough inspectors catching those who aren't abiding. This, in tandem with allowable contamination rates being too high and fines are too low to proactively deter any bad behavior. In summary, improved and more frequent enforcement should be prioritized.

Collaborate on recycling targets nationwide or worldwide (1 response)

- Working nationally or globally similar to GHG reduction levels, set targets.

Create specific goals (1 response)

- Above goals are really vague. What is needed is specific programs, not vague goals.

Incentivize companies to not use single-use 'so-called' compostable items (1 response)

- incentivize businesses and companies to lead by example and not offer single-use so-called compostable items,

Make compliance compulsory; enforce recycling requirements (1 response)

- I think for some people this topic is just not top of mind or they don't see it as important regardless of all the education efforts from the government, so I think some penalties or charges or compulsory education sessions should be required to enforce the importance of it.

Recover and redistribute surplus food (1 response)

- Surplus food recovery/redistribution

Differentiate reuse and recycling, focus on reuse (1 response)

- Split the thinking and listing of recyclables and reusable. For example, in the question above where I was asked to pick two, recycling and reusables are mixed in the same item. To be clearer, these need to be separated. Encouraging, reuse and repair which extend the life of the items is extremely different than recycling, which comes at the item's end of life.

Improve access to repair cafes - expand hours (1 response)

- Repair cafes offered on weekdays or weeknights. I notice they are always held on weekend days but I have to work my retail job on the wknd so can't go. I feel like the repair Cafe hours are targeted to people who have full time Mon-Fri jobs.

Reverse the cost differential between reuse and single-use (1 response)

- make the wasteful stuff expensive and the clean stuff more cost effective (e.g. caterers making clients pay for washable reusable plates, cups, cutlery and not pay for single use items - this should be reversed)

Design better alternatives to single use before pushing regulations on retailers for impractical replacements (1 response)

- I think the transition to lower waste options that are inconvenient or impractical replacements (soggy straws, flimsy paper lids, leaky to-go containers) have created push-back to the important work of transitioning to a zero waste model. Despite the difficulty, I wonder if working with manufacturers etc, to develop better options before forcing policy on businesses and consumers

Are there other priorities that Metro Vancouver should be considering that are not listed above?

would be worth considering. It's a time sensitive issue and just starting it and then working our the kinks is understandable. However, for many residents, they then lump current issues and become disillusioned. Stakeholder engagement is challenging and I hold no criticism but, preaching to the converted is one thing. Incentivizing and bringing in the holdouts is likely where a large opportunity lies.

Create more disincentives for food processing waste (example of fish skins) (1 response)

- There is too little disincentive for food processing waste. I have a circular economy business and I purchase fish skins from processors doing skin-off processing. I must pay more for them than my European or even Icelandic competitors because those places make waste reduction required, incentivized by financial penalty for throwing out. Not so in Canada. Worse, many processors just don't want to be bothered -even if they are paid - because it is easier to waste it. Also, there is not even any measurement of fish waste in Canada: NONE! Even my compatriots in Africa have estimates of waste but nothing in Canada. We are shamefully behind in this. A fillet is only ~50% of a fish.

Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?

41 responses.

Two respondents said no. The remaining responses are grouped into these themes:

- *Focus on zero waste / reduction and recovery (9 responses) - above recycling (3 mentions) of packaging (4 mentions), in general (1 mention), and of food (1 mention)*
- *Incentivize reduction (6 responses)*
- *Improve access to repair services (3 responses)*
- *Apply pressure upstream; to manufacturers (3 responses)*
- *Work with businesses (2 responses)*
- *Ban wasteful and harmful products (2 responses)*
- *Education (2 responses)*
- *Reuse fish byproducts (2 responses)*
- *Encouragement for Metro Vancouver (2 responses)*
- *Support educational initiatives (1 response)*
- *Implement compost-friendly take out containers (1 response)*
- *Increase options for furniture donation (1 response)*
- *Provide tours of waste facilities (1 response)*
- *Don't host wasteful events (1 response)*
- *Localize plastic recycling (1 response)*
- *Improve confidence in recycling (1 response)*
- *Encourage municipal pick up dates for hard to recycle items (1 response)*
- *Charge for recycling at purchase (1 response)*
- *Streetscape recycling bins (1 response)*
- *Deposit Fees (1 response)*
- *Site diversion infrastructure near transit stations (1 response)*
- *Promote innovation (1 response)*
- *Engage politically (1 response)*
- *Address illegal dumping (1 response)*

Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?

- *Make products easier to repair (1 response)*

Response wording is either provided exactly as the respondent stated, or slightly abridged. If a response describes activities falling under more than one group, the response has been split accordingly.

Focus on zero waste / reduction and recovery (9 responses) - above recycling (3 mentions) of packaging (4 mentions), in general (1 mention), and of food (1 mention)

- Surplus food recovery/redistribution
- Really embrace zero waste
- reduce/ eliminate excessive packaging
- We need further reduction of wasteful plastic packaging. Literally need governments to turn off the taps.
- We need to reduce packaging and recycle more plastics because it's everywhere in the environment and we should not be producing more of it
- I don't believe that we can effectively reduce the waste we produce without lowering our consumption; a radical notion indeed. Even recycled material can only be recycled so many times before it too becomes landfill. Waste is waste; it serves no purpose and will ultimately harm the environment in some way by producing greenhouse gases, or depositing forever chemicals and plastics into land, sea, and air.
- Reducing waste at the source, enforcing manufacturers, producers so they don't create so much wasteful products, excessive plastic packaging, etc.
- We need a paradigm shift: recycling is not a panacea because it only works if there is a market for it and it often involves shipping our waste overseas, shift the mindset towards preventing and avoiding the creation of waste in the first place (target ZERO WASTE) instead of the mindset of just reducing waste once it's already produced.
- Add Recover to Reduce, Reuse, and Repair. Build systemic barriers to people throwing perfectly usable items into the landfill when their use is done, but the item has plenty of life left. For example, “intercept” items for reuse before the items go for recycling or the landfill.

Incentivize reduction (6 responses)

- Reward companies and small businesses that reduce packaging.
- develop a program initiative to reuse suitable construction materials from structures that are to be torn down,
- Work more with elementary school students and teachers to have the children help make changes to their household habits
- 2) Encourage and financially support businesses that drive packaging and waste reduction (such as incentives for bringing your own cup or reducing take away containers or that use apps like “too good to go” to reduce food waste). Financial incentives work on people and businesses.
- Work with federal and provincial governments to incentivize circular business models. Collaborate and become aligned with the EU's Ecodesign for Sustainable Products Regulation (ESPR) and the mandate for Digital Product Passports (DPPs) which will enable and empower businesses to adopt circular business models and to take more responsibility and accountability for their own products, rather than shifting/downloading the end-of-life product and materials burden to municipal governments and waste management services.
- Create incentives such as rebates and subsidy programs for businesses, commercial and residential buildings to more actively participate in recycling and reducing overall waste.

Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?

Improve access to repair services (3 responses)

- Provide government funded and operated repair centres for small appliances, umbrellas, electronics, microwaves, toasters, hair dryers, watches, computers, TV, monitors, etc... The repairs should be a free service or very inexpensive. Most people throw away these items because they are too expensive to repair and cheaper to just buy a new one.
- Education and use libraries for fix programs, regular dates for fix programs and include info about reducing, reuse and for recycling. I get confused about plastic bags and Styrofoam. Was there a change?
- Offer and support more repair cafes. Support SPEC's Master Recycler Program to engage more people in educating others

Apply pressure upstream; to manufacturers (3 responses)

- Put the pressure on manufacturers to produce less waste & reusable or refillable options.
- Focus on the root of the problem. Stop business from excessive packing or plastic use. Stop grocery stores in plastic wrapping vegetables.
- increasing the amount of materials that can be recycled, re-used, re-purposed. i.e. - old shoes, bicycles, all plastics

Work with businesses (2 responses)

- Work with food safety authorities to discuss about reducing waste while maintaining food safety,
- Work with high single use waste businesses like Party City on switching to renewable goods

Ban wasteful and harmful products (2 responses)

- Banning a number of products that are harmful, toxic, such as glitter, balloon, etc.
- Ban or advocate for a ban on non-decomposable, tiny product materials like glitter

Education (2 responses)

- More intelligent education at the primary school level, grades 3 to 7. Inspectors that will call out people who offend in terms of contaminating recycle streams etc.
- Make the public more aware somehow of how you repurpose the recycling (bottles/plastics) so they are encouraged to do more.

Reuse fish byproducts (2 responses)

- For more info on the potential to use fish byproduct instead of wasting it: https://sjavarklasinn.is/en/iceland-ocean-cluster/100-fish/
- A good calculator we use for (the) impact of fish waste we divert. (We plug in fish and meat.) https://insights-engine.refed.org/impact-calculator

Encouragement for Metro Vancouver (2 responses)

- Keep up the good work! / Keep at er

Support educational initiatives (1 response)

- I was just at the city of Vancouver zero waste Recycling Ambassador class. I thought it was quite useful.

Implement compost-friendly take out containers (1 response)

- I wish more restos had take out containers that were compost-friendly (i.e. not plastic)

Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?

Increase options for furniture donation (1 response)

- Make more places available where we can donate furniture. It should not go to landfills as many people can use it.

Provide tours of waste facilities (1 response)

- Would be fun if there were tours of facilities, i.e. compost, thrift shops behind-the-scenes (i.e. Salvation Army).

Don't host wasteful events (1 response)

- Stop hosting prestige events like the World Cup that result in a lot of promotional crap.

Localize plastic recycling (1 response)

- Plastic Recycling facilities in BC to make new products from used soft / hard plastic.

Improve confidence in recycling (1 response)

- Show statistics that recycling efforts are not gone to waste; demystify mindset of "they are not going to do what they said they will do to recycle so why bother recycling"

Encourage municipal pick up dates for hard to recycle items (1 response)

- Some cities have a day where residents can put out large items for the city to pick up. I wonder how well this works - it seems like a good opportunity for neighbours to get new stuff before it goes to landfill.

Charge for recycling at purchase (1 response)

- All products should have a recyclable fee added to the purchase price. For example, in Metro Vancouver you have to pay a fee to a private company to recycle an infant/child car seat, therefore most people will just throw it away. We should be able to (recycle it) for free.

Streetscape recycling bins (1 response)

- Recycling bins on major streets would help so the cans and food wrap doesn't just get thrown down on the street.

Deposit Fees (1 response)

- More refundable fees on other products besides drink packaging

Site diversion infrastructure near transit stations (1 response)

- Plan to build new recycling and waste facilities walking distance from transit stations.

Promote innovation (1 response)

- Promote innovation for truly compostable packaging (not the type of packaging that says it's compostable but needs special non-existing facilities)

Engage politically (1 response)

- Political engagement

Address illegal dumping (1 response)

- Work with municipalities on preventing illegal dumping

Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?

Make products easier to repair (1 response)

- Tongue in cheek-- perhaps -- reduce or eliminate the computer technology that drives most (all?) household appliances. I am shocked to be told by a company they don't have "the part" or the software "fix" so they are going to give me a new item (dishwasher, laundry machine, chainsaw battery ETC) and take back the nonfunctional item. In "the good old days" it was frequently possible to rewire a toaster or otherwise figure out and replace things like the heating element in your hot water heater, not so when everything needs a display panel and service board. And it is a hard battle to fight the "planned obsolescence" of the appliance and other industries.

Efforts to Reduce Barriers to Participation

These activities were not designed to reduce barriers for specific underrepresented or equity-denied populations. However, we did deliberately hold the workshops virtually to reach folks who would have difficulty commuting to an in-person session, especially considering shorter days and earlier nights for traveling in the dark. We also set expectations in the session that being on or off camera and audio is okay, and provide avenues for participants to engage in the chat in lieu of with a microphone if needed.

Participants Feedback (engagement evaluation)

Of 16 participants across the two workshops, 12 completed the feedback survey. The following provides an overview of responses. All longform responses are abridged unless they are in quotations.

How did people hear about the event? (required question)

- 5 SPEC emails / newsletters
- 3 email (sender not specified)
- 1 MRV email
- 1 LinkedIn
- 1 Social Media (source not specified)
- 1 Metro Vancouver social media

To what extent did respondents agree with the following statements? (required question)
All responses were either Strongly Agree, Agree, or Not Sure. Applying a rating scale to these answers *(2 for Strongly Agree, 1 for Agree, 0 for Not Sure)*, the following table summarizes how well participants scored each statement.

To what extent do you agree with the following statements?	Strongly Agree	Agree	Not Sure	Percent of max rating
I feel this workshop was a good use of my time.	9	3		88%
I feel the format of this workshop was effective to have my feedback and input included.	9	3		88%
I had the information I needed to fully participate.	9	2	1	83%
I felt that everyone was able to participate.	10	2		92%
I felt comfortable and able to share my perspectives, even if they were different from the majority.	10	2		92%
The workshop facilitators were unbiased.	10	2		92%

What worked well? (required question)

- Wonderful, great, a friendly and approachable opportunity for input
- The format and delivery
- Lots of ideas were generated; a good discussion, with productive comments
- Everyone was encouraged to give their opinion; ideas were respected
- Setting expectations at the start of the meeting helped it go smoothly

What could be improved? (required question)

- Three respondents said they couldn't think of anything to improve on, that it was good as is!
- Morning timing would be preferable
- Three people mentioned more people, one included a longer time (the workshop was 90 minutes). This feedback was in both the workshop with 12 people attending, and the one with 4.
- A concern that input is ignored; asking for evidence from Metro that the input produces results.
- Get into the content without waiting or pausing for late arrivals.
- At times, a better use of the raised hands feature
- More specific information on recycling of products like textiles

Any other ideas for rethinking and preventing waste to share here? (optional question)
Eight of twelve respondents answered this question.

- Give specific guidance for textiles
- Encourage people to reuse for Christmas decorations and plant a tree instead of decorating one
- Up the enforcement on recycling contamination, especially multi-family and commercial sources
- Consult people who don't recycle, ask them what they need to engage
- Collect soft plastics at the curbside, and provide recycling bins at communal events and places like Farmers' Markets and Community Gardens
- Provide multilingual resources; this is especially relevant in Metro Vancouver
- There are "so many more aspects" (i.e., too many to list here)

Additional feedback on the idea generation phase (optional question)
Seven of twelve respondents answered this question.

- Enforce EPR and inform consumers of how it is implemented.
- Improve recycling labeling and increase the deposit fee to $1 to encourage recycling
- Engage retailers, and require them to participate in waste prevention.
- "I love that Metro Vancouver has created space for conversations and idea generation like this, from common folks!"
- Regulate the retail sale of items banned for commercial use, e.g. Styrofoam cups
- Encourage the public to compost at home, the curbside green bin has replaced home composting.
- One respondent said they can't think of anything, and one said there's too many to mention!

Narrative Summary

Goals and objectives	The engagement exercises were intended to engage the SPEC and Master Recycler community with Metro Vancouver's Solid Waste Management Plan Update. We set out to: ● Orient the community to the Solid Waste Management Plan process ● Give folks the opportunity to provide input directly ● Foster conversation about ways to prevent and reduce waste across the region ● Select a workshop topic which aligned with our community's interests and expertise (we selected "prevent and reduce waste in the first place") In 2023, we had 41 survey respondents, and 9 workshop participants . We set goals for 2024 based on these numbers of: ● 10 participants over 2 workshops (20 workshop participants total), and ● 60 survey respondents

Results achieved	Overall, we are satisfied with the results. We engaged: ● 16 total workshop participants (4 short of our target) ● 76 survey respondents (16 over our target) The feedback on the engagement activities was positive. Each of the outreach avenues we used proved to attract one or more of our participants. We were also pleased with the depth and variety of input provided by respondents to the survey. The survey did not itself prioritize the 'prevent and reduce waste in the first place' theme, but this was pointed out in survey responses. This confirmed for us that choosing this as the overarching theme for our idea generation was a good match for our community.
Challenges and issues addressed	**Challenges** ● Adopting the multiple choice questions provided by Metro Vancouver to our survey software (Google Forms) ● We had higher registration than attendance at both workshops. We could have done more one-on-one outreach had we expected attrition at this rate. We will conduct outreach differently for any future engagement opportunities. ○ 60% (12 of 20) in October ○ 44% (4 of 9) in December **Issues addressed** ● The Collaborative Engagement Toolkit had a few sections that were unclear in the first version that was sent out. Brooke was extremely helpful and responsive in clarifying these points and updating the Toolkit.
General feedback	Between what we read in the feedback survey and heard real-time during the workshop, we understood: ● It was educational to hear both the presentation given, and the dialogue between participants ● It's unclear to participants how the input provided is going to translate into actionable outcomes in the SWMP. Participants want the report Metro Vancouver produces from the Idea Generation phase to draw clear connections between the inputs from the engagement activities and the outcomes for the planning process.

Appendices

A. **Slide deck PDF** (the same was used for both workshops, with the date changed) *"A - Slides - MRV Collaborative Engagement Workshop with MRV Oct and Dec 2024"*

B. **Engagement questionnaire responses** as Excel spreadsheet *"B - MRV Survey Responses - SWMP Update Engagement Survey - 2024"*

C. **Survey participant demographics PDF** *"C - Survey Participant Demographic Details - MRV 2024"*

D. **Workshop evaluation survey responses** as Excel spreadsheet *"D - MRV Workshop Feedback Survey - SWMP Update 2024"*

Post-Engagement Report

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall.

Engagement Activity Summary

Activity:	
Activity Date	November 19, 2024
Organization/group name	Surrey Board of Trade
Time/Duration	9 am – 11 am
Location	101-14439 104 Ave Surrey, BC
Format	*Focus Group*
# of Participants	5
Summary of Promotions ***(optional)***	

Participant feedback/Input	
Meeting Notes	
Include any notes from the engagement activities. These are "what was said" notes and should be as close to verbatim as possible. Use one bullet point per speaker (i.e., start a new bullet when a new person starts speaking.)	
Topic/Question Addressed	***What was said***
What are the main actions you take to eliminate waste?	• **Reduce consumption** • **Use reusable bags/utensils, etc.** • **Be mindful of what you purchase - get things that are not single use**
✓ *What do you see as the primary challenges or barriers we face in addressing Plan for future infrastructure and systems for waste management across the region?* ✓ *What could Metro Vancouver do to address these challenges?*	• **Unity between the member districts is essential (Langley program vs Surrey program)** • **Metro Vancouver waste disposal can be profitable and needs to be addressed - waste to energy, reusable items, organics that can be used as fertilizers** • **Reduction in costs for consumers (homes) and businesses (construction and demolition)**

	o Quantifying what is being disposed of is made available and transparent o Logistics cost of bringing materials, people, carting away waste materials, has an enormous impact. Is that shared, is there public goals/? Do people know the cost? ▪ Engagement needed ▪ Reward system for businesses going in the right direction? If they are reducing waste produced vs the industry sector, they should get incentives to do that - Waste to energy - district energy system - Metro Vancouver can select rural areas to implement waste to energy facilities o Surrey does have District Energy - Right now just at Surrey City Centre. o Burning waste in a furnace will increase environmental flu gas emissions and noise. • China has a lot of big cities where waste to energy is very common. • Bio-gas system o Fotis BC does have this in place.
✓ *In what ways could Metro Vancouver collaborate with others to more effectively to advance Plan for future infrastructure and systems for waste management across the region*	• Municipalities, private businesses and NFP that handle recycling and collection • Advocacy - reaching out like these engagement sessions • Public spaces where groups are collecting opinions (splays and plans) to increase awareness and collecting feedback • Look to gold star regions to learn (France). Cross industry engagement - learn from businesses that have effectively and efficiently advanced their recycling/waste reduction plans and provide that information to the industry groups locally

	• Metro Vancouver can hold a regular committee/meeting and invite professionals, experts, consultants to discuss their plans and implementation strategy • Look at Sweden • Attend community/business events as exhibitors to showcase what they are doing and further community education

✓ *Let's flip the script: thinking of the current system, what is working well and should not be changed when thinking of Plan for future infrastructure and systems for waste management across the region?*
 	
✓ *What is going well and could be expanded on?*
	• Plastic bag regulations is working well- need provincial intervention/regulations. Changing behaviours through legislation.
	• Awareness is important and is being expanded upon
	  o One semester/class for university/colleges on how to protect the environment. Get them young -
	• New York ran out of money for garbage collection, and they left piles of garbage. We are fortunate. In a lot of respects, we are doing an excellent job in managing waste.
	• Room for improvement - generate less waste.
	• Do not place onus on the consumer, it needs to be incentivized through policy change - cost is the number one driver of household decision for those within a certain means (equity)
	• Cost needs to be universal
	• Infrastructure and systems must be equitable and must consider the cost of the end user of the system - need A.B. testing and competition within it
	  o Businesses make use of private sector, and evaluate them based on the market. Innovation occurs through competition.
	  ▪ Becomes more affordable and easier.
	  ▪ Remove the worst offenders one at a time.

	• Waste can be a profit centre - things that can be reused and recycled can be - put things back into the circular system o Electronics recycling for materials in it. • Things needs to be circular by design • A lot of communication is needed. • Good job of adding more things that can be recycled, and adding in what municipalities can be recycled curb-side. Langley they let you recycle glass, not in Surrey. • Incentivize beverage containers (milk containers can now be recycled and money given back). Confusion does still exist
✓ *What types of information would be most helpful for you in furthering your understanding of Plan for future infrastructure and systems for waste management across the region?* ✓ *Meaning — do you have any questions about this topic that Metro Vancouver may be able to answer for you?*	• Need to understand the cost of facilities - costs and time it takes to build are increasing • What is planned? There is minimal understanding. o Where do the electric batteries go? Are they incentivizing automotive dealers? Is there a recycling deposit? • What is the benefit of the plastic bag waste ban? Need transparency on the effectiveness on these legislative changes? • Cost is very important - need to allow communities to know the benefits of the plan • We think about organics in household waste but we seldom care about the construction and demolition facilities - concrete bricks - need companies to handle this type of waste as there is. A lot of volume. Need information on how we are handling these types of waste. Need to understand where this waste is happening the most. • Need to understand the landfill capacity, are we at capacity? There are odour issues that will impact communities around the fill. • There was a recycling program for textiles for a year but they took it away -

	kids go through clothes that cannot be reused.
✓ *What are some ways to engage with Metro Vancouver residents on Plan for future infrastructure and systems for waste management across the region?*	• Apps to connect people to Metro Vancouver - know what is going on in Metro Vancouver, new information, reminders. • Be where people are - meet them where they are - malls, parks, business parks, business community events o Inform people so they feel better about the taxes that they pay • Use traditional media platforms - news, papers, online articles • Social media posts - education and engagement in general • Inform people what you can recycle through the holidays • Leaders to come out and speak and get feedback directly • All of this to inform people to feel a source of pride. • Online system where you can type in what you can and can't recycle. Current systems are limited.
✓ *Is there anything else you'd like to add to the conversation on this topic?*	• Frustration with the many different ways of managing waste between municipalities o It is different and confusing • Carpet cleaner type of waste disposal is hard to find. How cities manage this type of waste is hard. • Calgary - fire stations there is chemical waste collection. Included not only paint but everything. • Collection locations that include everything - one place to drop everything off at • Ensure that all waste is covered in all municipalities - consistency and harmonization of policy • Textile disposal - the better that we can do for textiles - big brother does it, but microfibre is an issue as they are made with plastic components that can get into the water system and become an issue.

	We consume in North America where they enter our waste system but it I manufactured outside of North America.
	• Drop off points need to be accessible, better advertised.
	• Fast fashion - generated a lot of waste.
	• There was a recycling program for textiles for a year but they took it away
	• Every time we talk about waste management we should put reuse as the first point and most important point because we talk about how to reuse in industries because not only can we protect environment but businesses can save money
	  ○ Plastic bags can be reused many times
	  ○ Iron stills and plastics can be reused many times and can save a lot of money.
	• Saving money to be able to handle the waste for the system
	• Waste to energy:
	  ○ A lot of work goes into classifying the materials. Use magnet to collect steel from the system or it breaks the furnace
	• Densification/smaller units for homes makes it difficult to sort through recycling at home.
	• Needs to be accessible/walking distance of where people live for recycling depots.
	• Make sure that you are teaching residents young - be mindful and conscious of what you are doing
	• Auto-sorting is needed - it is time consuming
	• Switch to reusable
	• No waste management plan for businesses
	  No organics plan

Efforts to Reduce Barriers to Participation (Optional)	
Description of efforts made to reduce barriers to participation for underrepresented or equity-denied populations (if applicable).	

Participants Feedback (engagement evaluation)	
In general, those that attended felt like they were given an opportunity to learn and provide ideas in a safe environment free of judgement. There were some suggestions like having Metro Vancouver staff present so they could ask more in-depth questions. Additionally, questions for the Provincial government also came up that needed to be answered as well.	
Narrative Summary (Your brief reflections on the engagement)	
Goals and objectives	The primary goal of this engagement activity was to contribute to the development and refinement of Metro Vancouver's solid waste management plan. Specifically, the activity aimed to: 1. **Identify Opportunities for Waste Reduction:** Explore strategies to minimize waste generation, increase reuse, and enhance recycling practices to move towards a circular economy. 2. **Address Challenges in Waste Management:** Discuss barriers to effective waste reduction and reuse, including financial constraints, legislative gaps, and operational inefficiencies. 3. **Encourage Collaboration:** Foster dialogue between municipalities, private businesses, and non-profit organizations to promote unified and scalable waste management solutions. 4. **Highlight the Role of Education and Awareness:** Stress the importance of public education, awareness campaigns, and clear communication to drive behavior change and community participation in sustainable waste practices. 5. **Gather Feedback for Policy Development:** Collect diverse perspectives from participants to inform legislative priorities, ensure cost considerations are equitable, and support the development of practical, community-focused solutions. This session also sought to build consensus on the need for systemic changes and continuous engagement to align waste management practices across the region effectively.
Results achieved	• The engagement activity successfully identified critical insights and actionable recommendations aligned with the initial goals of the solid waste management plan update: **Results and Key Outcomes:** 1. **Opportunities for Waste Reduction:** Participants emphasized strategies to reduce waste, including switching to reusable materials, adopting auto-sorting technologies, and promoting the circular economy by reusing and recycling items such as plastics, textiles, and electronic materials. 2. **Challenges Highlighted:** Key barriers discussed included inconsistencies in waste management practices between

	municipalities, lack of transparency on costs and landfill capacity, and limited access to recycling facilities for specialized waste like textiles and batteries. 3. **Collaboration Needs:** Participants advocated for cross-sector engagement, such as regular meetings among experts, businesses, and government entities, to exchange best practices and advance waste reduction and reuse strategies effectively. 4. **Importance of Awareness and Education:** Continuous education for residents and businesses was emphasized, including campaigns, app-based information sharing, and feedback collection to foster participation and behavior change. 5. **Legislative Recommendations:** Participants supported legislative actions to incentivize businesses reducing waste, enhance recycling systems, and address high-cost barriers for both consumers and businesses. 6. **Infrastructure Suggestions:** Ideas included centralizing waste drop-off locations, harmonizing policies across municipalities, and implementing waste-to-energy initiatives in rural areas while addressing environmental impacts. **Alignment with Initial Goals:** • These results align closely with the initial objectives of the engagement activity: • The focus on reducing waste, increasing reuse and recycling, and moving toward a circular economy directly corresponds to the discussions on waste reduction strategies and infrastructure improvements. • The identification of barriers and advocacy for legislative and collaborative solutions reflects the goal of addressing challenges in waste management. • Emphasis on education and awareness campaigns
Challenges and issues addressed	Key barriers discussed included inconsistencies in waste management practices between municipalities, lack of transparency on costs and landfill capacity, and limited access to recycling facilities for specialized waste like textiles and batteries.
General feedback	Doing these sessions is of real value - opportunity to put forward their opinions and get good information (fact sheet) is helpful for lots of businesses.

Appendix

Please Include the following in the appendix:

- ✓ **Digital files and photos from the engagement activities** (*Please include any digital files and/or photos of workshop products, such as visual brainstorming activity boards)*
- ✓ Engagement Survey data, preferably in editable form (i.e. word document or spreadsheet)
- ✓ Participants demographic information (optional)
- ✓ Participant evaluation forms

METRO VANCOUVER SOLID WASTE SERVICES

COLLABORATIVE ENGAGEMENT REPORT
IDEA GENERATION



DECEMBER 2024

Prepared by
VANCOUVER FOOD RUNNERS

Prepared for
METRO VANCOUVER

About Vancouver Food Runners - Engagement Partner

Vancouver Food Runners (VFR) is a Metro Vancouver food recovery organization and registered charity. VFR uses app technology and a team of volunteer drivers to redirect surplus food from 150+ businesses to 170+ nonprofit partners operating community food programs. Since March 2020, VFR volunteers have delivered 4.5+ million pounds of food to the community; and this has mitigated 7.6+ million pounds of CO2eq from the environment. VFR provides a free, flexible, and accessible food recovery program for all businesses in the Metro Vancouver region.

VFR has a bi-monthly e-newsletter circulated to 1751 readers (primarily VFR volunteers interested in food waste reduction, sustainability, and food security); and we did a feature on Terry Fulton, Senior Project Engineer at Metro Vancouver and the Metro Vancouver Solid Waste Management Plan update in the Saturday, November 9, 2024 newsletter.

This feature was done to increase our community's understanding of what the Metro Vancouver Solid Waste Management Plan Update is, build an understanding of the issues and opportunities within the solid waste system, and outline how to participate in the engagement process. We also showcased the recent Solid Waste Management Plan Collaborative Engagement Initiative video.

Following the feature article, readers were encouraged to take action and complete the public survey.

The open rate for this newsletter was high at 56.3% (985 readers opened the newsletter). Social media posts featuring the article were also shared on VFR's social media channels: 283 accounts were reached through Instagram and 79 accounts were reached through Facebook.



FEATURE ARTICLE

VFR: Terry, tell us about yourself and your journey leading up to your current role as a Senior Project Engineer of Solid Waste Services at Metro Vancouver.

Terry Fulton: My first engineering role out of university was actually in contaminated sites investigation, but I agreed to help out with a waste audit that my firm's solid waste team was working on, and I was hooked!

Actually seeing and feeling (and smelling!) the crazy amount of waste our society produces inspired me to take action. I eventually joined my firm's solid waste team, and when the opportunity arose, took on a position with Metro Vancouver.

VFR: What do you find particularly interesting about working on the issue of solid waste?

TF: So many things! One in particular is how solid waste is a part of every person's life. Everyone creates waste and interacts with it in some way, and everyone has an opinion on it. If I mention I work in zero waste at any sort of family gathering, I am inundated by story's about people's experiences (which lately seem to be focused on paper straws).

VFR: Please provide a high-level overview of Metro Vancouver Solid Waste in terms of mandate, services, planning, and management of solid waste in the region.

TF: Metro Vancouver's solid waste services division operates a series of facilities that enable residents and businesses to reuse, recycle, and dispose of materials they no longer need. We also are responsible for planning for less waste in the region, which is where the solid waste management plan comes in.

VFR: What are some of the success and challenge areas for Metro Vancouver Solid Waste over the last decade?

TF: Organics collection was a huge step forward for our region. Metro Vancouver implemented an organics disposal ban in 2015, and efforts by residents since then to make sure organic material goes in their green bins has led to a significant reduction of organics in the garbage. The disposal ban has also helped to increase the amount of material that can be turned into marketable soil amendment.

The challenge now is to shift that focus to reducing organic waste before it even gets composted - i.e. preventing food waste wherever possible, and we appreciate the work Vancouver Food Runners is doing in that area!

VFR: You're in the process of updating your Solid Waste Management Plan, and you're in the "Idea Generation Phase". Tell us about the update and this specific phase.

TF: The updated solid waste management plan will guide our actions for the next decade and beyond. This update is a unique opportunity to shape the programs and policies of the future. The Idea Generation phase is the chance for everyone to share their great ideas for what actions we can take to reduce waste and associated greenhouse gas emissions, and transition to a circular economy.

VFR: Why is collaborative engagement so important to this update process?

TF: It's so important that our plan is based on feedback from everyone in the region – not just those who participate in traditional webinars or fill out questionnaires. The collaborative engagement process allows us to hear from groups that might have previously been underrepresented.

It also enables us to gather input from more people in the ways that make the most sense to them. This approach helps us tap into networks that go beyond our own mailing lists and contacts. Thanks so much for being part of this process — you can also take the survey.

VFR: As someone who is passionate about reducing waste, can you provide us with 3 straightforward (and impactful!) tips for reducing waste in our everyday lives.

Terry's Tips:

Tip #1. Ask yourself: Do I really need this?
Reducing consumption can be a tough sell, especially with everything just a button click away. However, when you take a step back and ask yourself this question before clicking "buy," it helps screen out impulse purchases and ultimately reduces your waste footprint (and saves you money).

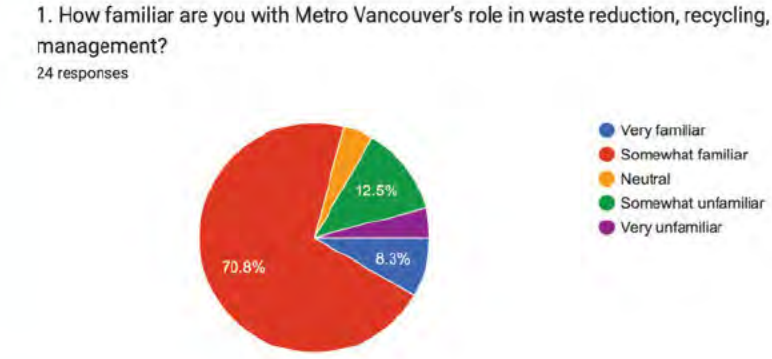
Tip #2: Fix what you've got! I've recently realized just how easy it can be to make simple repairs, like mending clothing, and how accessible the skills and knowledge of others are for more complicated repairs. Repair cafés are growing in popularity in the region, providing the perfect opportunity to keep your stuff out of the landfill and avoid buying something new. Win-win! To learn about repair cafes in Vancouver click here.

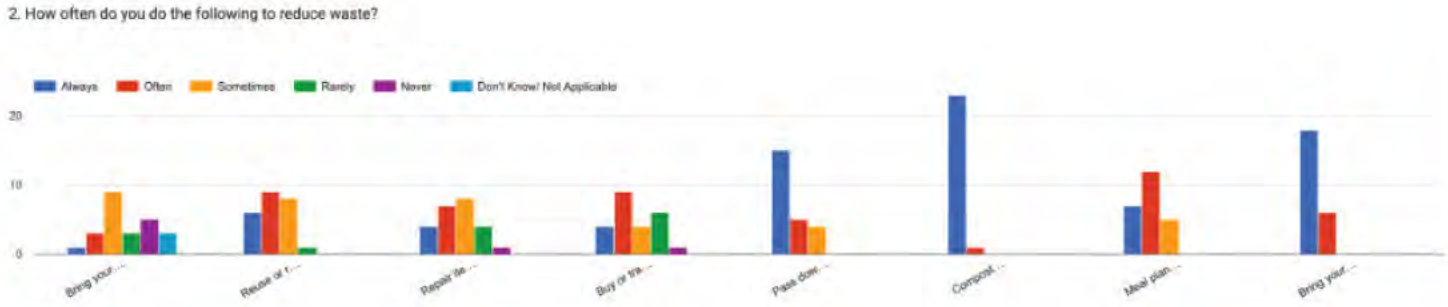
Tip #3: Share the love. Not just with your own items when you're ready to donate them or sell them on a marketplace, but also before rushing out to buy something. Consider whether a neighbour, local library, or share shed already has what you need. Not only does this prevent waste, but it also strengthens local communities — an added bonus!

VFR: Finally, why is composting (using your green bin) so important?

TF: When food waste goes in the landfill, it creates methane gas, a potent contributor to climate change. Each kilogram of material that goes in your green bin saves more than 0.4 kg of CO_2 from being emitted to the atmosphere and can be used to create either valuable soil amendments for growing more food, or renewable energy to power vehicles and more.

FEEDBACK FROM THE PUBLIC SURVEY: Through VFR's newsletter outreach, 24 individuals completed the Metro Vancouver public survey (idea generation phase).





Question 2: How often do you do the following to reduce waste? Most frequent responses for each sub-question:

2.1 Bring your own reusable cup, dishes, or utensils for takeout: **9 indicated "sometimes"; 5 indicated "never"**

2.2 Reuse or repurpose items rather than dispose of them (wrapping paper, food containers, plant pots, etc.): **9 indicated "often"; 8 indicated "sometimes"**

2.3 Repair items yourself, bring items to municipal repair cafes, or pay to have them repaired rather than dispose of them: **8 indicated "sometimes"; 7 indicated "often"**

2.4 Buy or trade second-hand items: **9 indicated "often"; 6 indicated "rarely"**

2.5 Pass down or donate unwanted clothes, or participate in clothing swaps: **15 indicated "always"; 5 indicated "often"**

2.6 Compost organic waste including food scraps and yard trimmings (e.g. backyard composting or green bin pick-up): **23 indicated "always"**

2.7 Meal plan to avoid food waste: **12 indicated "often"; 7 indicated "always"**

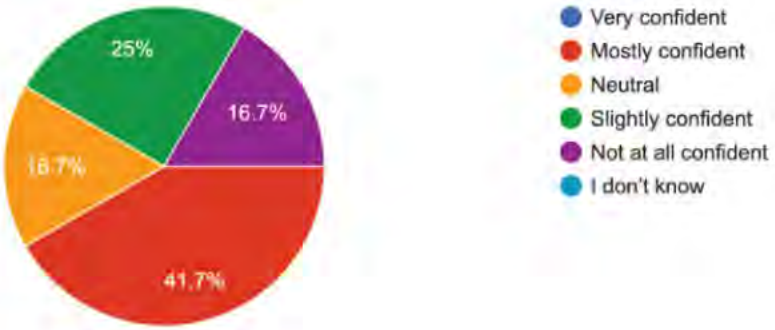
2.8 Bring your own reusable shopping bags: **18 indicated "always"; 6 indicated "often"**

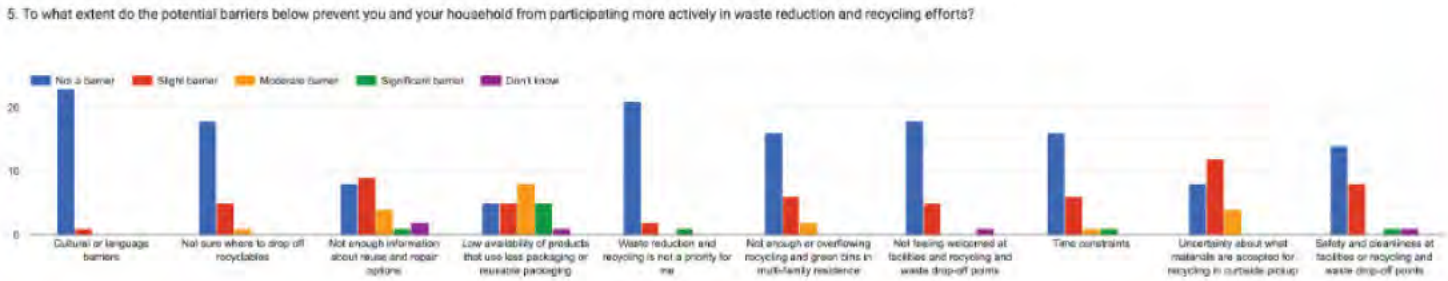
Question 3. Is there anything else not listed here that you always or often do to reduce waste?

- **Our household is trying to only buy what we need (also trying to instil this value in our kids)**
- **Volunteer with Vancouver Food Runners**
- **Pay similar amount for smaller portions to avoid waste; and pay more for less impactful comparable products**
- **Buy less, buy bulk, buy items with less packaging, buy items with more sustainable packaging**
- **Established broad recycling in our co-op housing, and implemented good onsite composting**
- **Participate in local online "buy nothing" groups**
- **Buy my cleaning products, and some food, at the Soap Dispensary (bringing my own packaging)**
- **Carry a mug**

4. How confident are you that the items you recycle are being recycled into new products instead of ending up in disposal? (i.e. garbage, landfill?)

24 responses





Question 5: To what extent do the potential barriers below prevent you and your household from participating more actively in waste reduction and recycling efforts? Most frequent responses for each sub-question:

5.1 Cultural or language barriers: 23 indicated "not a barrier"

5.2 Not sure where to drop off recyclables: 18 indicated "not a barrier"; 5 indicated "slight barrier"

5.3 Not enough information about reuse and repair options: 9 indicated "slight barrier"; 8 indicated "not a barrier"

5.4 Low availability of products that use less packaging or reusable packaging: 8 indicated "moderate barrier"

5.5 Waste reduction and recycling is not a priority for me: 21 respondents indicated "not a barrier"

5.6 Not enough or over flowing recycling and green bins in multi-family residence: 16 respondents indicated "not a barrier"; 6 indicated "slight barrier"

5.7 Not feeling welcomed at facilities and recycling and waste drop-off points: 18 respondents indicated "not a barrier"; 5 indicated "slight barrier"

5.8 Time constraints: 16 respondents indicated "not a barrier"; 6 indicated "slight barrier"

5.9 Uncertainty about what materials are accepted for recycling in curbside pickup: 12 respondents indicated "slight barrier"; 8 respondents indicated "not a barrier"

5.10 Safety and cleanliness at facilities or recycling and waste drop-off points: 14 respondents indicated "not a barrier"; 8 indicated "slight barrier"

6. Are there any other barriers not listed here that prevent you and your household from participating in waste reduction efforts?

- **The recycling bags for paper cardboard boxes are not big enough for household use to recycle**
- **Ready access to places that take specific items, like used batteries, used oil, technology, etc.**
- **Many items must be taken to transfer station for recycling (e.g., foam packaging)**
- **Some cost for beyond the blue box items through private recyclers**
- **Soft plastic is the thing I don't know what to do with, other than take it to London Drugs**
- **Returning soft plastics and other recyclables that are not accepting in blue bins is a challenge.**



7.1 Which community members do you think may be having a difficult time with the current programs and services?

Respondents mentioned:

- **Recent immigrants (e.g., education, cultural differences, language accessibility)**
- **Individuals who are disabled**
- **Climate change deniers**
- **Seniors**
- **Individuals with mobility issues (e.g., wheelchair)**
- **Individuals with a low income (e.g., time and not a priority)**
- **Individuals in apartments or high-rise buildings**
- **Individuals without a car**
- **Anyone who does not have access to current recycling information**
- **Busy parents**

7.1 (con't)

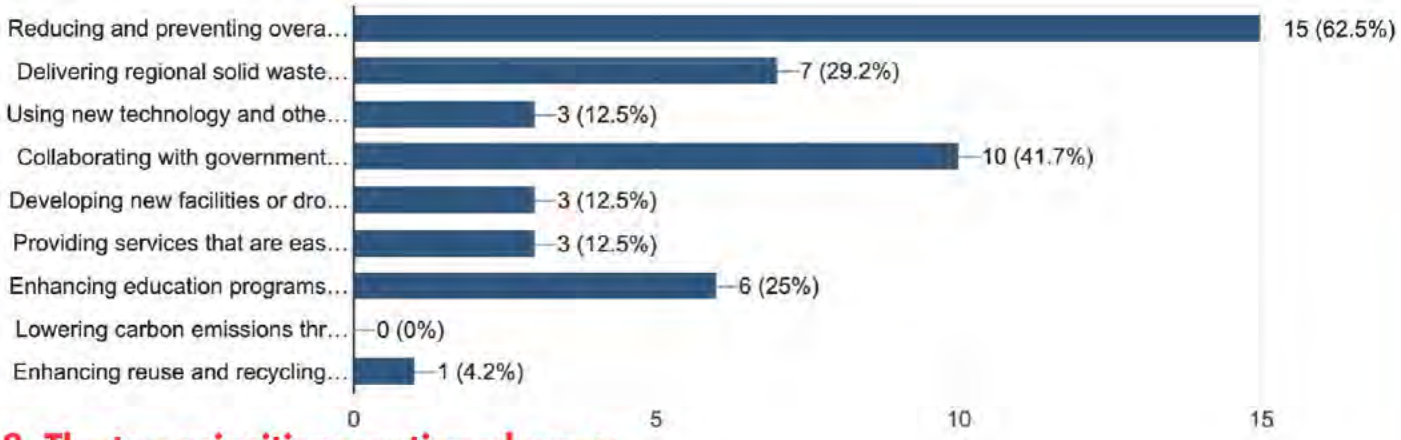
We we know that some charities have issues with composting on site (even though they're running a food program). On the food donor side, stores (particularly grocery stores) have a lot of items packaged in recyclable containers that are not sold each day (bakery, deli, processed food, etc.). If a food recovery organization does not collect the food items, they are often thrown directly into the garbage. Staff at the stores do not have time to recycle the items. Also, food recovery organizations are doing a huge service to the community and environment by collecting all the surplus food from hundreds of stores each day (4 organizations -- Vancouver Food Runners, Food Stash, Quest Market, and CityReach -- together collected approximately 5 million pounds of surplus food in the last 12 months in Vancouver); but we are provided with no financial support from the municipal government. There is some funding at the provincial level, but it is very limited and not guaranteed each year, plus funding eligibility criteria excludes certain organizations (e.g., Vancouver Food Runners). Food recovery organizations are struggling to stay afloat, even though the demand for their recovery services is growing in the food industry (which is positive). More food businesses are wanting to reduce their waste and donate their surplus.

7.2 What can be done to make the programs and services more inclusive so that they work for everyone?

- Language translation to make information accessible for newcomers
- Free workshops/programs hosted by schools, community centres, "Welcome to Canada" orientations
- Some type of funding mechanism for food recovery organizations to maintain their operations
- More education and incentives for businesses around food waste reduction and food donation options
- The biggest impact would come from cultural norms and teaching them
- Increase accessibility for programs (e.g. near main transit stations)
- Education on the importance of keeping things out of landfill -- the costs and benefits
- Focus on making everything convenient and free
- Recycling collection option for those that do not have a vehicle
- More flexible scheduling for programs
- Apartments have monthly collection for soft plastics and things that cannot go in bins
- More compostable containers available

8. What should be Metro Vancouver's top priorities for the future when it comes to solid waste management? Please select your top two.

24 responses



8. The top priorities mentioned were:

- **Reducing and preventing overall waste**
- **Collaborating with governments and manufacturers to reduce packaging**
- **Delivering regional solid waste services in a cost effective way**
- **Enhancing education programs and campaigns**

9. Are there other priorities that Metro Vancouver should be considering that are not listed above?

Help figure out a funding mechanism for food recovery efforts/orgs; and put more resources into education and awareness around the benefits of food waste reduction for businesses (e.g., saves them money [lowers food and hauling costs], better for the environment, builds team morale, supporting nearby charities with donations, etc.). Also, increase awareness of the Food Donor Encouragement Act (liability protection for businesses and organizations that donate their surplus food).

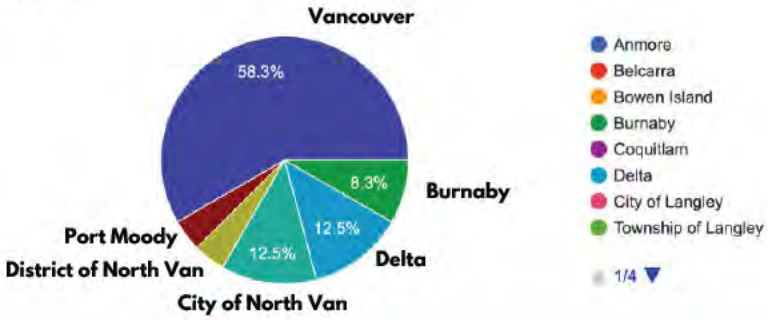
10. Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?

- **Please continue enhancing current services while communicating out the benefits to all who are participating**
- **Study who is not using these services and why before doing anything**
- **Recycling has created a whole new fleet of trucks that emit carbon. It makes me question what is actually saved. How can recycling be done more efficiently?!**
- **Proving more information to households on reducing food waste**

DEMOGRAPHIC PROFILE OF RESPONDENTS

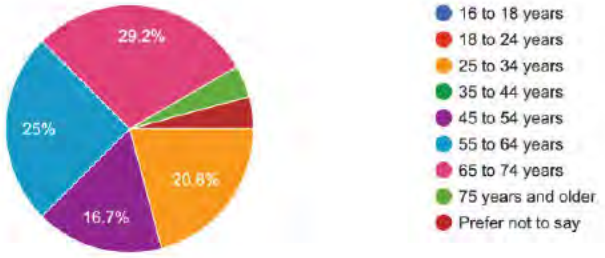
11. Where do you live?

24 responses



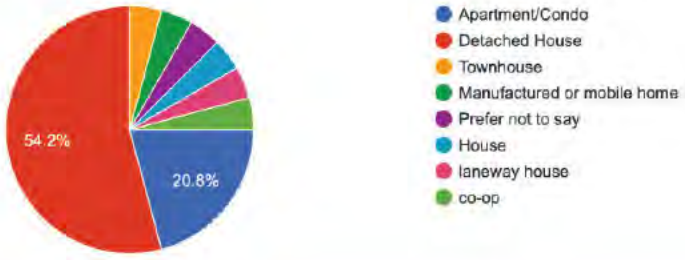
12. How old are you?

24 responses



13. What type of home do you live in?

24 responses



14. What language is primarily spoken in your home?

24 responses



Post-Engagement Report

Engagement Activity Summary

Ac#vity:	
Ac#vity Date	Devember 4th 2024
Organiza#on/group name	Women Transforming Ci#es
Time/Dura#on	1.5 hours
Loca#on	Zoom
Format	*Focus group*
# of Par#cipants	10

Par#cipant feedback/Input	
Meeting Notes	
Include any notes from the engagement activities. These are "what was said" notes and should be as close to verbatim as possible. Use one bullet point per speaker (i.e., start a new bullet when a new person starts speaking.)	
Topic/Question Addressed	***What was said***
What are the main actions you take to eliminate waste?	• i carefully wash everything that goes in the recycling bin • compost • recycling • reusable bags at the grocery store • produce bags • building has free or buy nothing group • second hand furniture and electronics • meal plan to reduce food waste • compost • use re-use/free groups • bring reusable coffee cup

As Metro Vancouver updates the plan, we will be focusing on the following seven key areas and the actions that can build on the current success of achieving one of the best recycling rates in North America. As Metro Vancouver updates the plan, what actions can build on our success to expand inclusive programs and services.	• apartment buildings don't have enough waste op#ons, they get full really quickly • how do you access electronics or clothes zero waste centers if you don't have a car? Make this a more accessible service. Curbside or local business op#ons that takes electronics and clothing • beVer access by transit for those without a car • in argen#na they have huge receptacles in major parks for baVeries. That was a cool ini#a#ve that made it easy to eliminate things that are harder to recycle on day to day • people don't think to go to the metro van website for informa#on on this - we need to get informa#on to them other ways • all of my neighbours were Iranian and they weren't going to get info on the metro van website in Persian. It needs to be on the bins to match the access needs for the people in the area • place based informa#on • if a building is consistently doing the wrong thing there needs to be a no#ce about that. Bin going into landfill and going to waste because they don't understand what goes where, so ac#on needs to be taken in advance. S#cker on the bin that says what the contamina#on was so that it doesn't happen again

Let's expand on the list of potential actions and strategies that have been mentioned so far. What do you see as potential barriers in achieving inclusive programs and services? (If they mention the same ones already discussed, probe for new/other/more specific examples)	• people moving between municipali#es where rules are different is a barrier • it takes #me to go through the correct informa#on, there's no #me to read a novel about recycling • when I rinse out a container to recycle, it is cleaning, thus using the natural gas that my water is heated with, is that not as harmful as just not recycling it? • the emissions used to drive to waste areas, does it cancel out the recycling? • those bins that look separated but all actually end up in the same bin • maybe some stats that they can share? But no one else is gonna collect that data
What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?	• tax the huge corpora#ons and not the individual • do more than us at the individual level, they're the ones who contribute the most. We do all this effort but they produce products that contribute to the waste • more in charge of taking back their products and dealing with repurposing them and cleaning them
In what ways could Metro Vancouver collaborate with others more effectively to advance inclusive programs and services?	• give their money to organiza#ons that are doing good things (the binners project) you hire them for events but need to do more by giving them funding • work with businesses as well to raise awareness with them

Let's flip the script: Thinking of the current system, what is working well and should not be changed when thinking of inclusive programs and services? What is going well and should be expanded on?	• glass container recycling, separate items for binners to pick up • allowing people to make some income from waste management is good • the van collect app is so great and tells you when your days change and what is being collected, the tech form is really helpful
What types of information would be most helpful for you in furthering your understanding of inclusive programs and services? Meaning—do you have any questions about this topic that Metro Vancouver may be able to answer for you?	• what percentage of recycling is ending up in landfills • give people the data • every household gets an odorless dry powder food waste machine • the data gets people excited, in a dream world people would be well informed and communi#es would know what % of waste is going in which areas • feeling like what you're doing doesn't make a difference, ini#a#ves needs to be paired with stats and accountability and support them in le_ ng them know their behaviour is making a difference • this is what i haven't wasted, this is how i've transferred my waste service. It's fun when you can make it a challenge. Reducing, and doing something with your waste. Make it fun and sa#sfying in doing the ac#on. The data is inspiring

What are some ways to engage with Metro Vancouver residents on inclusive programs and services?	• reaching out to organiza#ons to do engagement • what organiza#ons are they engaging with and where is that being discussed? What communi#es are they reaching out to and who are they hearing from? • neighbourhood houses are a good fit for these kinds of things • who are the people that face the most barriers to this? Time, money, language, knowledge. What services are they engaging with and how can they get to them? Why should they care if they're working 3 jobs and living in poverty, what's in it for them? • don't assume people are mo#vated by reducing landfill • engage with unions. Recycling and zero waste has a classist fit to them. Status symbol. Lifestyle flex. People feel ashamed because they don't have the #me or can't afford to make those lifestyle changes. How to engage with those that don't have a lot of resources • because people are busy working they use more single package and single use things • providing a receptacle or something small and odorless for compost. I use a container because I have the #me to refill it and I keep it in my freezer. Ge_ ng small containers that people can have on their counter.
Engagement Questionnaire Results	
If you have conducted a questionnaire, please include a summary of the results here. You are welcome to share the data results from your survey with Metro Vancouver for better feedback analysis.	
Topic/Question Addressed	***What was said***

How familiar are you with Metro Vancouver's role in waste reduction, recycling, and garbage management?	• Very familiar: 5.3% • Somewhat familiar: 36.8% • Neutral: 15.8% • Somewhat unfamiliar: 31.6% • Very unfamiliar: 10.5%
How often do you do the following to reduce waste?	• 31.6% of respondents said they oj en bring their own reusable cups, dishes, or utensils for takeout • 57.9% said they oj en reuse or repurpose items rather dispose of them • 31.6% said they some#mes repair items themselves, bring them to minicipal repair cafes, or pay to have them repaired • 63.2% said they oj en buy or trade second-hand items • 47.4% said they always pass down unwanted clother, or par#cipate in clothing swaps • 73.7% said they always compost organiz waste including food scraps and yard trimmings • 36.8% said they some#mes meal plan to avoid food waste • 84.2% said they always bring their own reusable shopping bags
How confident are you that the items you recycle are being recycled into new products instead of ending up in disposal?	• Very confident: 0% • Mostly confident: 10.5% • Neutral: 10.5% • Slightly confident: 21.1% • Not at all confident: 52.6% • I don't know: 5.3%

To what extent do the potential barriers below prevent you and your household from participating more actively in waste reduction and recycling efforts?	• 100% of respondents said culture or language were not a barrier • 52.6% said not knowing where to drop off recyclables was a slight barrier • 36.8% said not enough informa#on about reuse and repair op#ons was a slight barrier • 47.7% said low availability of products that use less packaging or reusable packaging was a significant barrier • 89.5% said waste reduc#on not being a priority for them was not a barrier • 42.1% said not enough or overflowing recycling and green bins in mul#-family residence was not a barrier for them • 57.9% said not feeling welcomed at facili#es nd recycling and waste drop-off points was not a barrier for them • 47.4% said #me constraints was a slight barrier • 31.6% said uncertainty about what materials are accepted for recycling in curbside pickup was a moderate barrier • 36.8% said safety and cleanliness at facili#es or recycling and waste drop-off points was not a barrier
How well do you think current waste management programs and services work for everyone in the community?	• They work very well for everyone: 0% • They work well for most community members but not for everyone: 52.6% • They only work well for some community members but are difficult to manage for most: 36.8% • They do not work for the majority of community members: 5.3% • Don't know: 5.3%

What should be Metro Vancouver's top priorities for the future when it comes to solid waste management? Please select your top two.	• Reducing and preven#ng overall waste : 57.9% • Delivering regional solid waste services in a cost effec#ve way: 10.5% • Using new technology and other forms of innova#on to promote waste management: 10.5% • Collabora#ng with govenment and manufacturers to reduce packaging: 42.1% • Developing new facili#es or drop off points for recycling, reusabes, and waste: 10.5% • Providing services that are easy to use for all residents: 47.4% • Enhancing educa#on programs and campaigns: 31.6% • Lowering carbon emissions through new technology and prac#ces: 15.8% • Enhancing reuse and recycling opportuni#es at bussinesses and mul#-family propre#es: 21.1%
Are there other priorities that Metro Vancouver should be considering that are not listed above?	*Yes, compost in multi family buildings and businesses as most don't utilise it. Many households don't compost as it's not enforced even though it's so called mandatory*
Do you have any further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in our region?	• Best prac#ces for diy compos#ng without aVrac#ng rats & wildlife • Provide incen#ves - like 25 cent cup fine! • I have really liked the educa#onal ads I get on Youtube, I find them super clear/effec#ve
Where do you live?	• Vancouver: 78.9% • New West: 5.3% • City of North Van: 5.3% • Districs of North Van: 5.3% • Surrey: 5.3%
How old are you?	• 25 to 34 years: 84.2% • 35 to 44: 5.3% • 18-24: 10.5%
What type of home do you live in?	• Apartment/Condo: 57.9% • Detached House: 21.1% • Townshouse: 15.8% • Laneway House: 55.3%
What language is primarily spoken in your home?	• English: 94.7% • Cantonese: 5.3%
Narrative Summary (Your brief reflections on the engagement)	
Goals and objec#ves	My goal and objec#ve with this was to collect data on people's understandng of waste management in Metro Van. What is working, what needs imporvement, and what is missing. As well as what they're passionate about, what makes them angry, what keeps them interested/caring about waste.

Results achieved	A lot of the results were predictable. When it comes to waste management, those who don't have the informa#on in front of them, aren't in spaces or surrounded by community that is also not only knowledgable on waste but has the #me for it will most liekly not do more than the bare minimum. If we want to improve the way people arrpoach waste at the individual level, we need to make informa#on on waste as accessible as possible. Do not rely on people to seek out this informa#on, instead bring it to them! In a consise, easily digestable, and non-#me consuming way. Another thing that was brought up in the focus group and that I oj en hear, is that a lot of wsate issues should be handled more at an ins#tu#onal level, and not an individual level. Large coorpora#ons that are responsible for most of the waste should be making the adequate changes to be more environmentally consious, we should not be pu_ ng this burden on the individuals that consume or purchase these products.
Challenges and issues addressed	It can be difficult to get people to take #me out of their day to fill out a survey or aVend a focus group on waste. Those who engage with this content are usually those who already feel strongly about it, and have some level of knowledge. Reaching the demographic we need to hear from the most was a bit of a challenge but is something that is usually expected when doing this line of work.
General feedback	The general feedback that I received from par#cipants is that they were excited for the opportunity to speak on waste management as it is not an opporunity they had been presented with before and they wanted their voices to be heard.

Appendix

Please Include the following in the appendix:

- ✓ **Digital files and photos from the engagement activities** (*Please include any digital files and/or photos of workshop products, such as visual brainstorming activity boards)*
- ✓ Engagement Survey data, preferably in editable form (i.e. word document or spreadsheet)
- ✓ Par#cipants demographic informa#on (op#onal)
- ✓ Par#cipant evalua#on forms

Idea Generation Engagement Report

Zero Waste BC conducted a workshop and interviews from October to November 2024 to learn more about participants' perspectives to generate ideas and actions for future zero waste infrastructure and systems (including services) for zero waste management across the region. The process and results are shown below in a summary followed by the findings for each and then the appendices with more nuanced detail.

Summary

Workshop

An online workshop was held on October 17 from 11:00am-12:30pm. Invitations were sent to Zero Waste BC members and board members via email, as well as included in the email newsletter. An invitation was also sent to previous workshop participants. The workshop was promoted on Zero Waste BC's website, newsletter and social media via LinkedIn and Facebook, as well as through the WECAN newsletter. ZWBC also cross-promoted other workshop dates for SPEC and CWMA engagement events.

A total of 11 participants attended the workshop. There was a mix of representation from non-governmental organizations (NGOs), local NGOs, green businesses, and other sectors (consulting, research) (Figure 1).

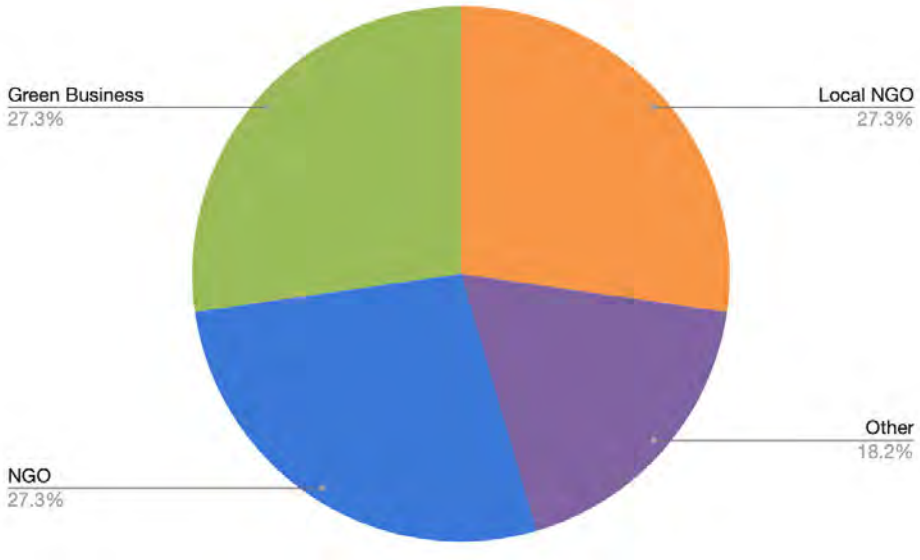


Figure 1. Workshop participants (n=11)

The format of the workshop generally followed the facilitation plan provided by Metro Vancouver. We adapted the topic for the workshop from the provided list to be “Future zero waste infrastructure and systems (including services) for zero waste management across the region”. We added zero waste to focus the topic more on infrastructure and systems that support zero waste and the higher tiers (reduce, reuse) of the zero waste hierarchy. See the attached presentation and facilitation plan.

Interviews

A total of 10 interviews ranging from 30 to 60 minutes were conducted between October 15 to 31. These cross-sector industry leaders represented non-profits (3), business (2), public sector (2), academic (1), elected official (1) and an independent (1). Invitations were sent by email. It was agreed that confidentiality would be maintained by consolidating interview results to ensure interviewees could provide their idea generation inputs in full.

Interviews were conducted using the adapted topic of ‘future zero waste infrastructure and systems (including services) for zero waste management across the region, as done for the workshop. Questions aligned with those provided by Metro Vancouver to address current successes, barriers and areas for improvement, new opportunities including roles and collaboration opportunities, and policies and programs.

Findings - Workshop

Workshop findings are listed below. For a workshop detailed summary see Appendix A. Reporting Workshop.

Boost reuse infrastructure and services

- Need more of it, not just on recycling, but on reuse (current education dominated by recycling, but not upper tiers of zero waste hierarchy).
- Many things going to transfer stations that could be reused (wood, C&D materials).
- Many items can be reused in businesses, but it may need some coordination - return-to-retail can be piloted.

Enable material separation for reuse, repair, and recycling

- One-stop-shop for everything - put areas for salvage before recycling.
- Have seen successes for carpets - when the facility is set up for separation and contractors are engaged, they will separate.
- Storage needed for these materials, could use civic facilities.
- Institutionalize and make reuse and repair the norm like what exists for recycling.
- Metro Vancouver can help connect materials to those who can use them - enable salvaging at transfer stations, promote neighbourhood buy-nothing groups.

Mitigate greenwashing and ensure environmental justice

- Transparency on data from Metro Vancouver - What is counted as diversion? How does it change with season?
- Need to account for embodied carbon, especially for C&D materials.
- Carbon reporting with data.
- Air and water quality issues associated with waste (e.g., incineration, burning agricultural plastics, cement kilns) needs to be properly accounted for and mitigated - work with health authority to clarify health impacts and actions needed, especially for people who are most affected by waste management infrastructure.
- Larger entities (big corporations) need to be held accountable for their actions so the burden of reducing waste and doing the right thing is not pushed onto the consumer or smaller players who have no power.
- Technologies may be just reinforcing overconsumption.
- Use one planet living/doughnut economy.

Findings - Interviews

Interview findings are listed below. For the interview summary see Appendix B which offers more detailed information. Reporting Interviews. Key themes and approaches linked to zero waste infrastructure and systems (including services) were identified throughout interviews as follows:

- Integrate Key Concepts for Environment / Planetary Boundaries / Climate / Circular Economy
    - Focus on environmental health, doughnut economy approach to meet social needs while staying within planetary boundaries, integrate a circular economy approach that optimizes the value of products and where each output is an input to a new process in an interconnected system, link climate and scope three emissions and consumption-based emissions, and include a social and environmental justice approach as part of seeking waste prevention and reduction solutions.
- Optimize the Pollution Prevention Hierarchy
    - Focus on waste prevention first, then waste reduction including reuse, repair, share, and aim to reduce volume of all materials even if recycled.
- Use a No Burn Approach for Disposal
    - Decommission the aging, expensive incinerator that is not able to keep up with air quality requirements, don't link it to a new district heating program, stop using the cement kiln to burn plastics and other items, don't use chemical recycling or other burning that drains the circular economy and enables poor product design.
- Fund Upstream Solutions and Scale Up Reuse
    - Prioritize and fund upstream solutions and scale up reuse, normalize reverse logistics, and tie into logistics to solve problems.
- Optimize Interdisciplinary and Community-based Solutions

    - Build cross disciplinary multi-sector teams to create an interdisciplinary approach to solid waste solutions; local governments can play a convener role and add resources. Build partnerships and relationships to scale up solutions.

Interview outcomes captured several options and ideas for consideration as the Solid Waste Management Plan is developed. Interviewees spoke to system successes, barriers/challenges, and opportunities for zero waste infrastructure and systems (including services). They also spoke to related policies, programs, advocacy efforts, and monitoring and measuring specific to waste prevention and reduction.

- Infrastructure and Systems
    - Reuse infrastructure with existing facilities
    - Reuse infrastructure in new locations
    - Repair infrastructure
    - Reuse systems and funding
    - Single use item reduction infrastructure (returnables)
- Policy and Regulations
    - Deconstruction bylaws, salvage reuse, tax incentives, repair policy and purchasing practices, upstream direction setting, procurement policies, single use reduction (e.g., dine in reusables, mandatory to accept refillables), mandatory source separation at the regional district level, disposal ban to landfill, air quality relations for disposal infrastructure, and fee differential and financial incentives.
- Programs
    - Link campaigns to behaviour change programs.
    - Business engagement/coaching/technical assistance for waste prevention including single use item reduction
    - School education and funded field trips to facilities.
- Advocacy
    - Advocate to and coordinate with senior governments for mandatory reuse and repair targets in product stewardship programs, Recycling Regulation update to increase percentage of recovery and program access, keep stores involved through return to retail and deposit systems, integrate reuse in programs and policies, add carbon reporting for largest emitters and link to waste measuring, and support right to repair.
- Monitoring and Measuring
    - Track progress using consumption-based greenhouse gas emissions.
    - Measure and set targets for reuse.

Online Survey Summary

Activity:	
Activity Date	September 2nd - October 30th
Organization/group name	BC Apparel & Gear Association
Time/Duration	N/A
Location	Online
Format	Survey
# of Participants	4
Strategies and Actions Discussed	**N/A**

Appendix

- [redacted]
- [redacted]
- [redacted]

Options Analysis Focus Group Notes

Format : In-Person
Session Date: Sept 27th, 2025
# of Participants Registered: 21
# of Actual Participants: 16
# of event promotions: 10

Please Note: quotations are used to identify who has spoken which ideas and are a summary and not exact quotes.

Section	Questions asked by Participants	Feedback heard
Strategy: Build on and foster an inclusive and collaborative circular economy **Action ID: 023** Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing. If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	● What is the goal of these organizations? ○ Stop textiles from going into the landfill? Why? Money/space. ○ Businesses are not going to do it unless there is a monetary benefit ○ Have to make connection to the bottom line of the company ○ If Metro Van is going to continue this work/develop this tool - having more people coming into the industry (new talent) with this already in mind - educate	● Who is from a textile waste reduction organization: 4 out of room (unclear on definition) ● Non-profits don't have the capacity - more grassroots and at educational level - not organizational level ● This should fall onto designers - not the textile waste reduction organizations, designer should have the responsibility to make them low waste, not another organization ● Direction is top down - owner is doing it because it's the right thing to do ● Top down as in owner to down and allow facilitating this ● From Aerospace design: ○ "What does that look like?

	those who have already been in the industry ○ Has been in front of CEOs and Presidents - tried to show they need a more sustainable way of business response: what is the easiest thing to do and how much money will I save? That is the only way they do it ● From Fashion Revolution: ○ “What even is a textile waste reduction organization: what does that mean? Who is that?” ● There are firms and designers that take waste and do something it ● Cobbling shop? Are they? ● Whose job is it?: ○ Job of the people who are teaching the designer	Someone comes down and walks through, email? Brochure? The companies exist, but that tech is not accessible to everyone”(cost , labour) ● Education: How many textile waste reduction organizations are there? We don’t know and.. Is it their job? ● Beyond scope of not for profits ● If they (nonprofits/textile waste reduction companies) ARE willing to develop the tools - please send them out - works in education happy to share with students ● From Fashion Revolution: ○ “What even is a textile waste reduction organization: what does that mean? Who is that?” ● There are firms and designers that take waste and do something it ● Cobbling shop? Are they?

	○ Social media influencers ○ Mandatory law for stats - end of life - MANDATING ● Metro Van is talking about continuing to work with these companies - who has had direct communication with them?: ○ Collaborated with KPU, they are engaging with education and using this - it is happening - this connection with BCAG is an example	● Our Social Fabric (OSF), Fabcycle, Debrand ● OSF, Fabcycle get brought in afterwards rather than before ● Whose job is it?: ○ Job of the people who are teaching the designer ○ Social media influencers ○ Mandatory law for stats - end of life - MANDATING CHANGE ● Metro Van is talking about continuing to work with these companies - who has had direct communication with them?: ○ Collaborated with KPU, they are engaging with education and using this - it is happening - this connection with BCAG is an example ● How much will companies LOSE - so providing charging ● In 5 years time: law, reward or a fine

Strategy: Build on and foster an inclusive and collaborative circular economy **Action ID: 023** Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing. What should Metro Vancouver consider to support your participation with this action?		

Strategy: Build on and foster an inclusive and collaborative circular economy
Action ID: 023
Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
 	
How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?
Is there anything else you'd like to add to the conversation on this ACTION?
		• Priority:
		  ○ Low - 10
		  ○ Medium - 2
		  ○ High- NONE
		• ONLY BECAUSE OF THE QUESTION FRAMING
		• Question doesn't have teeth

Section	**Questions asked by Participants**	**Feedback heard**
Strategy: Make recycling easier and more effective by reducing confusion and improving convenience **Action ID:131**	• Question makes them feel there is an assumption that these things are not easily accessible - wants to know what the	• Aerospace textiles: "No facilities near by everything gets landfilled - cost to dispose - as a company - individual

Improve access to textile donation and recycling collection services. If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	feelings are as to why they think they aren't accessible.	better - HUGE problem for industry" ● Simply Merino: "Biggest impact would be recycling from production level" ● Clothes are NOT easily recyclable if not re-sellable/reusable ● Collecting waste from production is low hanging fruit ● Diverting from landfill at production is huge ● 7 agree out of 16 agree for individual it is is accessible ● 0 believe from a business standpoint ● What would make it easier for businesses: ○ Big bins out back for pick up ○ Sorting is fine - not an issue ○ Or having a place to drop it off that is close ○ Making it FREE ○ No cost or same as landfill to persuade the owners
Strategy: Make recycling easier and more effective by reducing confusion and improving convenience **Action ID:131**		● Cost is the biggest concern ● Money needs to come in to invest in infrastructure that

Improve access to textile donation and recycling collection services. What should Metro Vancouver consider to support your participation with this action?		allows recycling for polyester and nylon ● **Question from facilitators:** Who agrees that we need to invest in accessible recycling of our own materials LOCALLY: show of hands Everyone! ● Aerospace: ○ “Having to ship is fine - transparency that it is actually being recycled - want to know it’s actually being recycled” ○ Want faith it’s not just getting shipped somewhere else to go to a landfill ○ Textile means so much - so transparency is key ○ BETTER to throw away locally instead of shipping off because at least methane gets collected - worse to recycle something if we don’t know where it’s

		going/shipped out of country
Strategy: Make recycling easier and more effective by reducing confusion and improving convenience **Action ID:131** Improve access to textile donation and recycling collection services. How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		● Show of hands: ○ Low: ○ Medium: ○ High: 13
Other Strategies/Actions engaged on?		● Have they considered subsidisation programs to help with technology that helps with efficiency that eliminates waste ● Increasing efficiency = decreasing waste ● Merino Wool: "Different municipalities mandates cardboard/bins - where is that mandate/legislation pushing through this for textiles - specifically productions - ADD TEXTILES and easy to collect"

		• Make textile recycling mandatory • Incentives - mandatory lands be standard • Competition for scraps
Next Steps	• **What indigenous organizations are they speaking with? Confirm this is happening - not an assumption.**	

B

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity:	
Activity Date	Wednesday, September 17th 2025
Organization/group name	MakeWay Charitable Society - **Binners' Project Consultation #1**
Time/Duration	90 minutes
Location	312 Main St, Vancouver BC V6A 2T2
Format	Consultation
# of Participants	6
Strategies and Actions Discussed	Strategy 3.5. - Action ID059, Strategy 3.7. - Action ID076 Strategy 2.1. - Action ID100, Action ID101, Strategy 2.2. - Action ID104 **Note:** All five actions were voted as high priority. At the end of the session, we asked binners to rate what they considered the top priority between the five. The photo of that poll is attached. • Action ID076: Provide education for residents on affordable actions was identified as the top priority.

Appendix

Please include the following in the appendix:

- ✓ **Appendix 1.1** - Consultation #1 Notes
- ✓ **Appendix 1.2** - Consultation #1 Participant Evaluation Forms
- ✓ **Appendix 1.3** - Brainstorm Photo

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Consultation #1

Session Date: Wednesday, September 17, 2025
# of Registered Participants: 10
# of Actual Participants: 6
# of Event Promotions: 3

Section	Questions asked by Participants	Feedback heard
Strategy Number: 3.5 Increase access to reuse, refill, and repair **Action ID: ID059** Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups. If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? *If difficult, what is it that makes your participation easier?*		Binner 3: Programs might not have the people to initiate and connect with for these programs. Binner 6: Non-profit organizations should be the focus and priority. There are a lot of organizations doing great work. Binner 2: City needs to provide more receptacles for waste.
Strategy Number: 3.5 Increase access to reuse, refill, and repair **Action ID: ID059** Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups. What should Metro Vancouver consider to support your participation with this action? How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		
Strategy Number: **Action ID:**		

Is there anything else you'd like to add to the conversation on this ACTION?		
Other Strategies/Actions engaged on?		
Additional comments		

Section	Questions asked by Participants	Feedback heard
Strategy Number: 2.1 Collaborate with businesses and institutions to reduce waste at the source **Action ID: ID100, ID101 Action ID100:** Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations **Action ID101:** Increase in person education where residents, business and others can talk directly with experts on how to reduce waste. If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? *If difficult, what is it that makes your participation easier?*		Binner 1: For businesses, it's all about their dollars. If it's going to cost them money, then they might not be incentivised to go. How can you get businesses involved? Tax breaks? Binner 3: 2-3 minute presentation would be helpful. Keep it short and sweet. Binner 5: A challenge for someone could be, if they are reliant upon single use, then you could add some environment incentive/education to get people invested. Binner 2: Create posters, make an event at the local community centre. Get the word out. If we invite 5,000 people, 10% will show up! Binner 6:The education would need to be a community event, it wouldn't be a good turn out if you went by residence. More targeted advertisement is needed to make it successful.
Strategy Number: 2.1 Collaborate with businesses and institutions to reduce waste at the source **Action ID: ID100, ID101 Action**		Low priority - 0 votes Medium priority - 0 votes

ID100: Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations **Action ID101:** Increase in person education where residents, business and others can talk directly with experts on how to reduce waste. What should Metro Vancouver consider to support your participation with this action? How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		High priority - 6 votes
Strategy Number: 2.1 Collaborate with businesses and institutions to reduce waste at the source **Action ID: ID100, ID101 Action ID100:** Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations **Action ID101:** Increase in person education where residents, business and others can talk directly with experts on how to reduce waste. Is there anything else you'd like to add to the conversation on this ACTION?		
Other Strategies/Actions engaged on?		
Additional comments		
Strategy Number: 2.2 Support residents adopting waste prevention habits **Action ID: ID104** Expand education tools to help **multi-family residents** to reduce waste, increase		Binner 3: Provide residents with containers to transport waste from their home to the big bins in the building.

participation, and comply with evolving waste reduction regulations. If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? *If difficult, what is it that makes your participation easier?*		
Strategy Number: 2.2 Support residents adopting waste prevention habits **Action ID: ID104** Expand education tools to help **multi-family residents** to reduce waste, increase participation, and comply with evolving waste reduction regulations. What should Metro Vancouver consider to support your participation with this action? How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		Low priority - 0 votes Medium priority - 0 votes High priority - 6 votes
Strategy Number: 3.7 Encourage and celebrate residents and businesses that prioritize reuse and refill practices **Action ID: ID076** Provide education for residents on affordable actions they can take to prevent waste through everyday activities. If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it?		Binner 1: If they had incentivised motives, to come and sit through a recycle/reuse program, then people would be more interested to come. Binner 2: It would all be in the building. Binner 5: Refund incentives. I heard from friends on refunds. Binner 6: Relatively easy! Explore partnerships that incentivise people e.g lime scooter free minutes. Social media education is another good way of reaching people.

If difficult, what is it that makes your participation easier?		
Strategy Number: **Action ID:** What should Metro Vancouver consider to support your participation with this action?		
Strategy Number: **Action ID:** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		Low priority - 0 votes Medium priority - 0 votes High priority - 6 votes
Other Strategies/Actions engaged on?		
Additional comments		Binner 1: I'm eager to go! Binner 6: In person education is the way to go. Learn together! You make friends, and can have a good conversation. You can relate on your issues, and feel supported. Binner 4: I feel more informed since joining Binners' Project on issues like this. Before joining, I had no idea about this solid waste plan, and wasn't really sure on how to get involved. Binner 1: Metro Vancouver seems to have access to lots of resources. In my building, they had a program where they were giving away containers, but I did not receive any. This was an early exposure for me to learn about waste management, before I joined Binners' Project. I've learned so much more about waste,

		since joining. I'm trying to be a speaker for Binners' Project to help educate people in the community. I enjoy trying to motivate people! Binner 5: In-person education is appreciated. In my building, we are learning to recycle, and they asked me to help. I thought it was helpful; you and others get to know how things work, and it was a good opportunity for me to teach.

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity:	
Activity Date	Wednesday, September 24th 2025
Organization/group name	MakeWay Charitable Society - Binners' Project Consultation #2
Time/Duration	90 minutes
Location	312 Main St, Vancouver BC V6A 2T2
Format	**Consultation**
# of Participants	9
Strategies and Actions Discussed	**Strategy 4.1. - Action ID112** **Strategy 4.5. - Action ID134**

Appendix

- ✓ **Appendix 2.1** - Consultation #2 Notes
- ✓ **Appendix 2.2** - Consultation #2 Participant evaluation forms

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Consultation #2

Session Date: Wednesday, September 24 2025
# of Registered Participants: 10
# of Actual Participants: 9
# of Event Promotions: 4

Section	Questions asked by Participants	Feedback heard
Strategy Number: 4.1. Promote design for recyclability and the use of recycled content in products and packaging. **Action ID: ID112** Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products. If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? *If difficult, what is it that makes your participation easier?*	Binner 6: Who actually approves the plan for Metro Vancouver? Binner 1: Are we answering this as a binner or a citizen? Binner 3: Where does the environmental fee go?	Binner 6: When I used to do the surveys, the number one item was furniture being dumped around, especially electronics. If people are paying binners, even a buck to take that TV in, people would do that. So TVs won't be sitting in the alleys. Or couches. 65% of the increase comes from increased recycling – it seems like that's where we'll make the most difference. People are just throwing mattresses, and couches, and TVs, and everyday they have to come and deal with that. They are way more expensive than binners. For us, hopefully that's what we can make a difference is. **If there is a deposit system with the electronics, it would be completely easy for us to participate in it.** Binner 1: Because everything is recyclable (clarification: not everything), but to put a refund on any item, you can put a refund on anything. Binner 7: Reduce packaging of multi-use recycled items. Recycling can be done by using a points system. Binner 2: Financial compensation, especially if we have to sort it ourselves. **If there is an incentive, we will work more collaboratively.**
Strategy Number: 4.1. Promote design for recyclability and the use of recycled content in products and packaging.		Binner 7: **Exchanging our efforts for daily necessities and food.** Garbage dumps everywhere have machines to recycle food, turning it into water and letting it flow immediately. This

Action ID: ID112 What should Metro Vancouver consider to support your participation with this action? How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		is good for hygiene. Binner 3 and Binner 9 agrees. Binner 3: Create sorting areas that are run by the community. Because I don't have a car, it takes a lot to take a whole way via bus. There's no incentive for me to take it. Just like BC Housing - one for electronics, etc. I wonder if we can connect an environmental value, and if we can return it, we can get our money back. There are some places where there are no places for electronics. The bottle depot is not accessible – you have to put it in a cart, take 2-3 hours to travel. **Create sorting areas run by our communities that are close/central so you don't have to go on the bus.** Binner 4: If we're doing it for the city, we should be paid more too. The city should also compensate us. **Create more paid opportunities for people who support the collection of recyclable materials.** Binner 9: Electronics are much heavier, especially big TVs, but citizens don't know how to divert them. When people collect old electric materials, the city can give out coupons/vouchers to purchase other things (food, etc.). Binner 6: I think people don't think about composting bins enough. Taking food waste and turning it into something of value. Using all that energy (made of fossil fuels) – instead of using all that energy, they need to be recycled onsite. **A well-sorted stream of organics.** Transporting things far away doesn't make sense at all. If there was a place in the DTES, and hiring people to do the work onsite, the city will save a lot of money. People won't have to go all over the place to move stuff around. In the Philippines, when a TV gets laid around, people will dismantle it and

		get materials (e.g. transistors) out of it. But here, we don't do it because there isn't an incentive – and it takes too much work. For us, it makes no sense to rip apart a TV. **The barrier to using electronics is that there is no place to take them.** There is no money to do it. The city is spending way too much money to process electronics. <u>Priorities</u> Low: 0 Medium: 3 High: 6
Strategy Number: **Action ID:** Is there anything else you'd like to add to the conversation on this ACTION?		
Other Strategies/Actions engaged on?		
Additional comments		

Section	Questions asked by Participants	Feedback heard
Strategy Number: 4.5. Make recycling easier and more effective by reducing confusion and improving convenience. **Action ID: ID134** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it?		Binner 6: I think it's a total waste of time. **Recycling needs to be done by people like us who are already doing it.** If you have a legal problem, you get the lawyers. If you have a garbage problem, you bring in the binners. **Research and develop solutions.** When they say "centralize" information, there will be a library booth that has signage. It is difficult because, if you're looking at long-term change, there are machines that work a thousand

If difficult, what is it that makes your participation easier?		times faster. We are completely different. We are doing on-site sorting. Binner 3: I think that most people care about the environment. And the stewardship is done by individuals like ourselves. I see that when I'm at the beach in the summer. There is a big industry of recycling that is done by people. I think most of the recycling is done by hand. At Car Free Day, I saw that people really care. Binner 4: You can see how much garbage is on the sidewalks or in the alleys. I care, so I would spend time collecting. We have a route, and sometimes we don't even get to finish our route. That's how much there is out there to collect and recycle, especially in this neighbourhood. Binner 7: It is easy for us because, since joining the Binners' Project, I know the basics. **For the public, there should be more promotional material about how to recycle. Or a small book, so we can show people. Even if you forgot, you can remind yourself.** Binner 8 agrees.
Strategy Number: 4.5. Make recycling easier and more effective by reducing confusion and improving convenience. **Action ID: ID134** What should Metro Vancouver consider to support your participation with this action? How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		Binner 4: **Giving people knowledge on how to sort stuff.** In malls, a lot of people don't know what the difference is between plastics. You can't blame people because they don't know the difference. And some people don't care. **People don't know where to find that information.** Binner 1: There should be inclusion of an organization like ours (Binners' Project) to educate the public. Binner 5 agrees. Binner 5: Educate the public. <u>Priorities</u>

		Low: 2 Medium: 2 High: 5
Strategy Number: **Action ID:** Is there anything else you'd like to add to the conversation on this ACTION?		
Other Strategies/Actions engaged on?		
Additional comments		

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity:	
Activity Date	Wednesday, October 1st 2025
Organization/group name	MakeWay Charitable Society - Binners' Project Consultation #3
Time/Duration	90 minutes
Location	312 Main St, Vancouver BC V6A 2T2
Format	**Consultation**
# of Participants	11
Strategies and Actions Discussed	**Strategy 1.2. - Action ID041** **Strategy 1.3. - Action ID134**

Appendix

- ✓ **Appendix 3.1** - Consultation #3 Notes
- ✓ **Appendix 3.2** - Consultation #3 Participant Evaluation Forms

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Consultation #3

Session Date: Wednesday, Oct 1, 2025
# of Registered Participants: 11
# of Actual Participants: 11
# of Event Promotions: 5

Initial Comments, Questions & Clarifications

- Binner 2: We all see things that get tossed away that have the most minor scratches/alterations to be made. To say everything that is on the street that is stolen is not true. There were workshops where you can bring in things to be repaired - more of that would be super useful. Repair cafes would be useful. Binner 6, Binner 11 and Binner 9 agree. Binner 9 shares that solid waste that can't be fixed here gets sent off to other countries.

Section	Questions asked by Participants	Feedback heard
Strategy Number: 1.2. Facilitate the transition to a more circular regional economy through waste prevention. **Action ID: ID041** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? *If difficult, what is it that makes your participation easier?*	Binner 2: Will there be additional funding for the solid waste management plan?	Binner 11: Success stories. Creating a story behind a theme is important; perhaps an environmental theme. We live in a concrete jungle – how can we make it even more environmental? Identifying who should be in those events. **When we do our events, we educate people.** Getting Indigenous peoples involved, with potluck. People can come down to a certain area. Binner 7 agrees because it's collaborative. Pop-up stuffs are really important – something at different locations. Advertise, put it on the TV. Binner 9 agrees. Binner 6: (It's not easy.) I don't have that much contact with event organizers and industry professionals myself. **Maybe Binners' Project core staff can organize them; binners can be a part of those events (but not at the logistical/organizational level).**
Strategy Number: 1.2. Facilitate the transition to a more circular regional economy through waste prevention. **Action ID: ID041** What should Metro Vancouver consider to support your participation with this action? How much of a priority is it to you to	Binner 9: Are there different areas included as well (Richmond, etc.)?	Binner 2: Having material incentives when we are involved. Binner 7: If we have our own bins, we don't have to travel far for it. Efficiency is an incentive. Binner 11 agrees, and shares to give more financial incentive. For pop-ups – don't call them "garbage." Binner 3: Including a compost

include this action in the draft solid waste management plan? Low, medium, high?		feature is important. Binner 11 agrees, and shares that if the city picks up the compost, it would be good. For styrofoam, for example, if it disintegrates, we can form it into something else. So reusing it will save the environment. Binner 6: Everything is microplastics now. Binner 11: Donation spots. <u>Priorities</u> Low: 0 Medium: 2 High: 8 *Binner 8 was not present to take a vote as she picked up a call.*
Strategy Number: 1.2. Facilitate the transition to a more circular regional economy through waste prevention. **Action ID: ID041** Is there anything else you'd like to add to the conversation on this ACTION?		
Other Strategies/Actions engaged on?		
Additional comments		

Section	Questions asked by Participants	Feedback heard
Strategy Number: 1.3. Build on and foster an inclusive and collaborative circular economy. **Action ID: ID017**		Binner 9: Some communities still need to learn. Binner 7: People need to know more about what's going on; everything is getting delivered nowadays. They

If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? *If difficult, what is it that makes your participation easier?*		have to be more proactive in the way they manage their waste. We don't know as much as the kids know – now it's gotten to the point that it's really important. All the landfills are full. Rethinking is important, because they have to. Binner 2: So many of us go through the alleys throughout Vancouver; there is so much we wanna take and recycle, but we can't because we don't have a car or a truck. But if there is an organization can support with transporting large items, that will address an enormous amount of large waste that end up not getting picked up. Binner 1: It's difficult if binners are not compensated. Binner 8: It'll be difficult. One-time events are good, but there needs to be more follow-through. Binner 7: Goods and services tax four times a year – the two times a year should involve community events. **Making educational seminars more frequent and local, and incentivize them.** Binner 11 agrees, and it can be a collaboration with **community centres**. Binner 11: Education is important. Making those educational sessions free. Binner 7: It's super easy. I think it would be hard to have binners involved if they're not contracted out.
Strategy Number: 1.3. Build on and foster an inclusive and collaborative circular economy. **Action ID: ID134** What should Metro Vancouver consider to support your		Binner 9: More media representation on the work so people can read it. **Advertising the way to deal with your waste.** Binner 7: Utilize technological advancements to help with waste.

participation with this action? How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		Binner 3: **Fundraisers that support the organizations to get what they need to bring it back into the community.** Binner 9 agrees. Another point: when they cut trees down, there needs to be an environmental solution to what is lost, as it impacts the ecosystem. <u>Priorities</u> Low: 0 Medium: 0 High: 11
Strategy Number: 1.3. Build on and foster an inclusive and collaborative circular economy. **Action ID: ID134** Is there anything else you'd like to add to the conversation on this ACTION?		
Other Strategies/Actions engaged on?		
Additional comments		

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity:	
Activity Date	Wednesday, Sept 11th - Tuesday, October 21st, 2025
Organization/group name	MakeWay Charitable Society - **Binners' Project** Survey Engagement
Time/Duration	Open - 2-3 hours: Paid binner survey facilitator shifts - 5 - 60 minutes: Independent survey participants
Location	312 Main St, Vancouver BC V6A 2T2 Near 1856 Powell St, Vancouver, BC V5L 1H9 (Return it Bottle Depot) 200 W Hastings St, Vancouver, BC V6B 1G8 (Victory Square Park)
Format	Survey
# of Participants	123
Strategies and Actions Discussed	**Provided survey format**

Appendix

- ✓ **Appendix 4.1** - English Translated Surveys. #116. 2025
- ✓ **Appendix 4.2** - Simplified_Traditional Chinese Translated Surveys #7

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Post-Engagement Activity Summary

Activity: Rethink Waste - Online Survey	
Activity Date	**Survey Start Date:** September 28, 2025 **Survey End Date:** October 30, 2025
Organization/group name	**Bioloop Foundation**
Time/Duration	**5-10 minutes to complete**
Location	[redacted]
Format	*Online Survey*
# of Participants	28
# of Event Promotions	10
Strategies and Actions Discussed	1. Rethink your choices 2. Reduce your waste 3. Reuse & Repair 4. Recycle

Post-Engagement Activity Summary

Activity: Rethink Waste - Online Feedback Event	
Activity Date	Oct 1, 2025
Organization/group name	**Bioloop Foundation**
Time/Duration	**90 minutes**
Location	Rethink Waste – Online Feedback Event & Questionnaire Wednesday, October 1 · 7:00 – 8:30pm Time zone: America/Vancouver Google Meet joining info Video call link: [redacted] More phone numbers: [redacted]
Format	*Online Focus Group*
# of Participants	6
Strategies and Actions Discussed	**RETHINK** **Strategy 1.2: Facilitate the transition to a more circular regional economy through waste prevention** **Strategy Number: 1.2** **Action ID: 079** **Action:** Improve circular economy and recycling education in schools through field trips, hands-on learning, and other innovative school education programs. **Strategy Number: 1.2** **Action ID: 088** **Action:** Develop circular certification programs for businesses to create community pride. **Strategy 1.3. Build on and foster an inclusive and collaborative circular economy** **Strategy Number: 1.3** **Action ID: 017** **Action:** Collaborate with external groups to identify and implement

	new circular economy initiatives in the community. **Strategy Number: 1.3** **Action ID: 098** **Action:** Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects **REDUCE** **Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source** **Strategy Number: 2.1** **Action ID: 028** **Action:** Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods. **Strategy Number: 2.1** **Action ID: 0100** **Action:** Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations. **Strategy 2.3 Prioritize food waste reduction initiatives** **Strategy Number: 2.3** **Action ID: 072** **Action:** Work with business, industry associations, and non-profits to reduce food waste by improving food purchasing, storage, and preparation methods.

Appendix

This section includes the following documents:

- ✓ **Raw data/notes from engagement activities** (focus group detailed notes)
- ✓ **Engagement survey data**,
- ✓ **Participant evaluation forms**

Format: Virtual

Session Date: Wednesday, October 1 · 7:00 – 8:30pm
# of Participants Registered: 8
# of Actual Participants: 6
# of event promotions: 14

Section	Questions asked by Participants	Feedback heard
RETHINK		
Strategy 1.2: Facilitate the transition to a more circular regional economy through waste prevention		
Action 1.2b: Improve circular economy and recycling education in schools through field trips, hands-on learning, and other innovative school education programs.		
Strategy Number: 1.2 **Action ID: 079** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	I don't know, It seems like you have to be a student for these programs? Would participants to these programs receive an honorarium for their effort on completing these programs? Would an online component make it easier for people to attend?	It will be difficult. I just think the first barrier that I'd think of would be cost if that's a barrier for people or time It can be easy, I guess if it was for a student that wouldn't be so much of an issue probably because it would be hopefully included with their schooling, but if it were like a program for adults or community members to sign up for, I think the cost and scheduling the time would be a barrier and it will make it difficult. It is more likely for programs to offer hybrid components meaning in-person programs and online programs so I have options and I can accommodate and prepare for stressors like finances and scheduling my time with my commitments. This will also allow for community members from different ability levels to participate in these programs.

Section	Questions asked by Participants	Feedback heard
RETHINK		
Strategy Number: 1.2 Action ID: 079 What should Metro Vancouver consider to support your participation with this action?		Metro Vancouver should consider including the opportunity for community members to volunteer for these programs. I think just volunteering here would be enough for me. I think that's the best I could do right now. Maybe Metro Vancouver should consider some kind of incentive for participants. I don't know how like you could but yes a way to incentify participants to complete the programs. Agreed. Honorariums for participants can make it more accessible for people from diverse backgrounds to attend to these programs. Especially to cover childcare, assist people with diverse abilities and more. I think that's also good to hear that Metro Vancouver is looking into potentially implementing this in schools because people can learn and get experience and education can be standardized and normalized at an early stage. What makes the most sense is to educate people at an early age rather than having to do catch up work, right, when they're adults.

Section	Questions asked by Participants	Feedback heard
RETHINK		
Strategy Number: 1.2 Action ID: 079 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	Like for example, batteries or like you know soil like for example I try to plant something and I'm not allowed to throw it in the garbage here because they don't allow us and I don't know where to throw. How are residents supposed to know the best approach to dealing with waste? I agreed. I don't know what to do with other things like, for example, old things like electronics that you used before and now I don't know. You can't throw it in the garbage. Where am I supposed to take these things to ? What about people with physical disabilities? How are they supposed to participate or know of these programs? Are there accessible options for proper disposal of waste for people with limited physical abilities and financial means? How are newcomers and tourists supposed to know how to properly dispose of waste?	High Priority. I think it's a very high priority because as we go into the 21st century the waste is more and more. I think and like what they did now with plastics is a very good idea and I think all other strategies would be good too. Like educating residents and youth. I also think educating schools is good but I think if people can manage online programs sometimes it's a good idea to learn online as people can go at their own pace and adapt to their own abilities, learning style and schedule. Yes, high priority because for example, I am moving out and I am trying to get rid of my stuff, right? If I have no education or understanding of what happens when it goes into the waste or the garbage like if I don't know then it's kind of like ignorance, right? Like I just will throw it away. It's not like a high priority for me. But if I understand the impact on the environment and it's like clogging up the system, then I'm more inclined to like, you know, use buy nothing groups or make an effort, you know. Yes, and these programs have the potential to make residents aware of solutions too because that's what could

Section	Questions asked by Participants	Feedback heard
RETHINK		
		happen to school programs , it is a space where solutions get promoted, you know tips and tricks get shared and people get to learn more experiences. High priority. Efficient waste and recycling systems are necessary for society to function. Education around reduction of waste and circular economy principles are necessary to combat climate change.
Action 1.2c: Develop circular certification programs for businesses to create community pride.		
Strategy Number: 1.2 **Action ID: 088** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Would there be incentives for businesses and people ? Are businesses going to be encouraged in the process?	I think awareness is key and this can be easy to implement. So like maybe people could go out into the businesses and educate them or we can share with communities to look out for these stamps because if you don't know it just like we see a lot of like marketing nowadays with like green and like vegan or whatever, but like if you don't have the awareness of like what that means, then it's it doesn't really mean anything. Maybe educators can go into the businesses and just give a little lunch and learn or something like that to educate people. It is easy to implement. I also think that it will be good to

Section	Questions asked by Participants	Feedback heard
RETHINK		
		know that businesses are doing this. So it's good to encourage businesses to get certified and some sort of certification process because it tells us where we should be purchasing things and where we should be going for solutions to our problems. I think it's going to be really difficult because you're not only implementing a new concept like you have to change culture in the community. I have learned that to change culture, you have to start really young in the community and do long-term growth. So you have to like to change it with the young people and implement it in their everyday lives so they like to habitualize it. It's like a long-term plan. It doesn't happen overnight. And so maybe this could be implemented in schools for young people. and then that makes the participation easier, maybe over time. It can be easy if we incentivize people and incentivize businesses to do it properly.
Strategy Number: 1.2 Action ID: 088 What should Metro Vancouver consider to support your participation	Is Metro Vancouver considering people with disabilities, newcomers and low-income individuals in this transition?	Metro Vancouver should consider making these actions and processes mandatory for businesses and organizations.

Section	Questions asked by Participants	Feedback heard
RETHINK		
with this action?		Employers should incentify employees through lunch and learning events. We would need more education for residents, businesses and organizations. For them to understand the importance of this action and the role they each play.
Strategy Number: 1.2 Action ID: 088 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		High priority because businesses are the center of the economy where most of the waste is generated. I would like to add, it's a high priority because if you don't have businesses and organizations and the broader community implementing the actions or trying them, you're not going to have progress especially with businesses right where a lot of the waste is generated like yeah it's pretty necessary.
Strategy 1.3. Build on and foster an inclusive and collaborative circular economy		
Action 1.3a: Collaborate with external groups to identify and implement new circular economy initiatives in the community.		
Strategy Number: 1.3 Action ID: 017	Should Individuals and business/organizations be penalized for not adhering to	I think it's difficult because it's not really marketed well. Maybe it could be marketed

Section	Questions asked by Participants	Feedback heard
RETHINK		
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	the plan? Or should we consider extended producer responsibility in every product ? Would the provincial and federal government provide support and incentives ?	better on social media, through influencers. What would make the participation easier would be more marketing, more visibility, more publicity. I think I agree , it is hard to participate when there is not enough marketing, and publicity done. I would recommend things to be marketed with different demographics and keeping the content relevant and inclusive. I just had another thought, instead of trying to educate and stuff maybe penalize like if I put batteries and wrong items in my garbage and I put it on the street maybe there's some sort of like penalty like that I get in trouble for this stuff because right now I just put it all in my garbage and I just cross my fingers and hope that they don't notice kind of thing. For me to collaborate with external groups, things need to be accessible and easy to use. It will make it easier just for example to put an electronics in the recycle bin and it gets diverted from my home step. That way everyone, even people with physical disabilities can participate. Clear strategies to ensure businesses and organizations are compliant with waste

Section	Questions asked by Participants	Feedback heard
RETHINK		
		management plans.
Strategy Number: 1.3 Action ID: 017 What should Metro Vancouver consider to support your participation with this action?		More advertisements in daily life tips and tricks and like more community awareness to implement these new practices.
Strategy Number: 1.3 Action ID: 017 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		For me, this is a high priority. Like we need more solutions advertised and explained to us. We need to be able to see the solutions that we have already existing and we need new solutions to be created for the problems we are facing for example like electronics and other. High Priority, we need to identify the solutions that are working, and stop the ones that are not. It is also good to implement new practices that help us achieve a circular economy. Potentially having initiatives that break the stigma about wearing recycled clothes or reusing recycled items. So, people are more aware of how safe it can be and how to make it safe. External groups will have more insight for Metro Vancouver as they are members of the community and can identify specific needs or concerns.

Section	Questions asked by Participants	Feedback heard
RETHINK		
Action 1.3b: Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects.		
Strategy Number: 1.3 **Action ID: 098** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	HOW DO YOU GET INVOLVED IN COMMUNITY GARDENS ETC.?	I feel like those gardens and projects are not advertised properly, but I also feel like they're only for a select few if that makes sense. Like I don't know how to get involved. It kind of feels like there is a community already built and the barrier to get into making a garden is really difficult. So, if it was more welcoming in some way or more accessible like if I walked by the garden there was some information on how to get involved like on the gates or something or online advertising it. Yes, I agreed. Maybe some kind of I don't know as I don't think this exists, but maybe some kind of hub like online that Metro Vancouver could create for those kinds of community spaces, right? And then you could just search or look for whatever you're whatever you're looking for, whether it be community gardens or a tool library or any other initiatives.
Strategy Number: 1.3 **Action ID: 098** What should Metro Vancouver consider to support your participation with this action?		Metro Vancouver should consider more publicity and advertisement of these programs and initiatives. Having a variety of opportunities for engagement will allow participants to

Section	Questions asked by Participants	Feedback heard
RETHINK		
		accommodate their participation into their schedules. Incentives and honorariums for participation would benefit members of the community and create a positive culture.
Strategy Number: 1.3 Action ID: 098 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		For me, this is high because it provides food security. It provides spaces for green areas for people to focus on their well-being and nature and disconnect. It allows people to perform an activity that teaches them how their food is grown. Just like the food and agriculture aspects, waste is a huge factor for implementing this initiative. I guess with the indigenous aspect of it too, it's great to lead by example and setting up ways where people can contribute to reconciliation by transferring knowledge.
REDUCE		
Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source		
Action 2.1b: Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.		

Section	Questions asked by Participants	Feedback heard
RETHINK		
Strategy Number: 2.1 Action ID: 028 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	How can we make this attractive for business and users to implement ?	I think it is difficult because it will require a lot of money to implement these tools and a lot of resources. So what will make it easier is to work with the private sector, the public sector and every sector to potentially implement this and to make this visible and attractive for participants and users and businesses because it has to be advertised properly and to a diverse group of participants.
Strategy Number: 2.1 Action ID: 028 What should Metro Vancouver consider to support your participation with this action?		Metro Vancouver should consider better marketing strategies for educational purposes. Provide incentives that motivate users and businesses.
Strategy Number: 2.1 Action ID: 028 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		High priority. Businesses are the center of the economy and large generators of waste.

Section	Questions asked by Participants	Feedback heard
RETHINK		
Action 2.1c: Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations.		
Strategy Number: 2.1 Action ID: 0100 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?		In general, you would hope that additional tools and educational tools would help make things easier. Making it easier for all of us, including businesses to participate. These tools should consider a wide range of people, it is important to make these tools accessible to everyone in the community. That would make it easier for everyone to participate.
Strategy Number: 2.1 Action ID: 0100 What should Metro Vancouver consider to support your participation with this action?		Better marketing and getting the word out is important. Providing incentives for businesses and community members to use these tools.
Strategy Number: 2.1 Action ID: 0100 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		High priority. Education and marketing is crucial for an informed citizen.
Strategy 2.3 Prioritize food waste reduction initiatives		

Section	Questions asked by Participants	Feedback heard
RETHINK		
Action 2.3a: Work with business, industry associations, and non-profits to reduce food waste by improving food purchasing, storage, and preparation methods.		
Strategy Number: 2.3 **Action ID: 072** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?		I think this is something that is easy to participate in as a resident. It might be more difficult as you scale it up to organizations. I think that's a good idea. That's a very good one because I think you know most things that are wasted are food from food scraps. So it's very good that if we do that it helps a lot of people. It is easy on the individual level, but maybe harder on the businesses and organizations side. Maybe it will be good to provide incentives. Saving food or eliminating waste is a mindset. So if you have a mindset of overconsumption, you just don't really care about these things but once you take responsibility for things like the environment and your life then it becomes more important. So again, switching culture is like maybe shifting the mindset of people like a growth mindset and I don't know how you do that but it's like literally changing your personality, teaching people to regain their self control. It will be also good to work with restaurants and supermarkets to avoid food

Section	Questions asked by Participants	Feedback heard
RETHINK		
		waste ending up in the landfill or in the compost if it has the potential to feed someone else. Togoodto go apps and other initiatives would make participation easier but once again people need to be educated and aware of these tools.
Strategy Number: 2.3 Action ID: 072 What should Metro Vancouver consider to support your participation with this action?		I think also the government like Metro Vancouver and other municipalities, they could subsidize or encourage refill stores and things like that or they could maybe launch their own or something. Incentives and honorariums are a good way to ensure accessibility. Creating a cultural shift and providing for everyone in our region.
Strategy Number: 2.3 Action ID: 072 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		High Priority Food waste is a huge factor that can be prevented. Transforming our food production systems to zero waste and circular economy principles would be very beneficial for our community.

Post-Engagement Activity Summary

Activity: Rethink Waste - Online Feedback Event	
Activity Date	Oct 18, 2025
Organization/group name	**Bioloop Foundation**
Time/Duration	**90 minutes**
Location	Rethink Waste: Online Feedback Event & Questionnaire Saturday, October 18 · 10:00 – 11:30am Time zone: America/Vancouver Google Meet joining info Video call link: [redacted] More phone numbers: [redacted]
Format	*Online Focus Group*
# of Participants	4
Strategies and Actions Discussed	**RETHINK** **Strategy 1.2: Facilitate the transition to a more circular regional economy through waste prevention** **Strategy Number: 1.2** **Action ID: 079** **Action:** Improve circular economy and recycling education in schools through field trips, hands-on learning, and other innovative school education programs. **Strategy Number: 1.2** **Action ID: 088** **Action:** Develop circular certification programs for businesses to create community pride. **Strategy 1.3. Build on and foster an inclusive and collaborative circular economy**

	Strategy Number: 1.3 **Action ID: 017** **Action:** Collaborate with external groups to identify and implement new circular economy initiatives in the community. **Strategy Number: 1.3** **Action ID: 098** **Action:** Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects **REDUCE** **Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source** **Strategy Number: 2.1** **Action ID: 028** **Action:** Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods. **Strategy Number: 2.1** **Action ID: 0100** **Action:** Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations. **Strategy 2.3 Prioritize food waste reduction initiatives** **Strategy Number: 2.3** **Action ID: 072** **Action:** Work with business, industry associations, and non-profits to reduce food waste by improving food purchasing, storage, and preparation methods.

Appendix

This section includes the following documents:

- ✓ **Raw data/notes from engagement activities** (focus group detailed notes)
- ✓ **Engagement survey data**,
- ✓ **Participant evaluation forms**

Format: Virtual
Session Date: Wednesday, October 18 · 10:00 am – 11:30am
# of Participants Registered: 3
# of Actual Participants: 4
# of event promotions: 12

Section	Questions asked by Participants	Feedback heard
RETHINK		
Strategy 1.2: Facilitate the transition to a more circular regional economy through waste prevention		
Action 1.2b: Improve circular economy and recycling education in schools through field trips, hands-on learning, and other innovative school education programs.		
Strategy Number: 1.2 **Action ID: 079** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Would this only be available to schools or expanded in the community? Would these programs be limited to certain communities or age groups? What ways could these be made accessible as possible? Would these be youth-led initiatives or a variety of community members?	If you are a student it sounds relatively easy to access these programs if it were included in schooling. However, if you are a member of the community, time and cost could be potential barriers. Many accommodations could be made, like free barrier to entry, flexible learning options such as online and transportation support. These programs should be open to youth and community members at large for the biggest impact and youth-driven.

Section	Questions asked by Participants	Feedback heard
RETHINK		
Strategy Number: 1.2 Action ID: 079 What should Metro Vancouver consider to support your participation with this action?	How interactive would these events be? Would these be inclusive and youth-driven events?	Codesign programs with students and faculty to ensure learning is based in youth interests and sustainability issues in their communities and everyday life. Multilingual support and resources to improve accessibility. Volunteer and youth-based events to promote the widest community and youth engagement. Provide leadership opportunities for students and youth to promote waste reduction in their schools and communities. Promote the events as ways for youth to support their community, while developing their professional and social skills.
Strategy Number: 1.2 Action ID: 079 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	How can these programs be made as accessible as possible, especially for those with disabilities and tight finances? While the youth-driven component is important, I think it is also important to expand these programs to the broader community?	High Priority. In your day to day life it may not seem like a high priority with everything else someone has going on, but with awareness and education it is obvious that these actions are of high priority to our community and wellbeing. We need effective waste and recycling systems to function.

Section	Questions asked by Participants	Feedback heard
RETHINK		
		Educating young people is a necessary long-term approach to fostering a circular economy. Through understanding waste systems early, students develop sustainable habits, which then positively influence their families and communities. This foundation is needed to create systemic change, transforming knowledge into a culture. I would be encouraged to see Metro Vancouver connect these education programs to real initiatives, like student challenges, hackathons, or school recycling competitions, that are active and visible learning. Exciting guest speakers and mentorship opportunities could be initiated by partnerships with local sustainability organizations, like non-profits or green tech startups.
Action 1.2c: Develop circular certification programs for businesses to create community pride.		
Strategy Number: 1.2 **Action ID: 088** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it?	How would businesses and people be incentivized or encouraged to participate? What type of programs would be offered? What would be required for a business to acquire circular	As a youth, it might be a bit difficult for me to participate directly in a business certification program, since it's more geared toward business owners and organizations. Though, I

Section	Questions asked by Participants	Feedback heard
RETHINK		
If difficult, what is it that makes your participation easier?	certification? How easy would this be? How would youth be included in this initiative?	would still be interested in supporting or engaging with certified businesses. For instance, choosing to shop locally at those businesses or helping promote them through social media and community events. Getting the word out is important and doable. Educators could give businesses and communities a learning session about why certification matters. Labels like "green" or "vegan" just do not matter if people do not understand why they are labeled that way. A learning session for businesses would be a great way to spread knowledge. It should be somewhat easy to implement if the requirements are clear and attainable for businesses. It could also encourage people to buy local and support their local economy. It'll be hard to get this new idea off the ground and really change how our community thinks. For lasting cultural shifts, we absolutely need a long-term plan and starting with young people is needed. If we can integrate these concepts into their daily lives early on, even through school, they'll grow up with

Section	Questions asked by Participants	Feedback heard
RETHINK		
		them. Don't expect instant results.
Strategy Number: 1.2 Action ID: 088 What should Metro Vancouver consider to support your participation with this action?	Is Metro Vancouver considering people with disabilities, newcomers and low-income individuals in this transition? Are Indigenous perspectives considered and centered?	Metro Vancouver should consider making these actions and processes mandatory for businesses and organizations. Employers should incentify employees through lunch and learning events. We would need more education for residents, businesses and organizations. For them to understand the importance of this action and the role they each play. Make sure that small and local businesses have the means to participate and are supported through mentorship Including educational components for residents and youth would show how local consumption choices can contribute to circularity. Celebrating and showcasing certified businesses through community events, sustainability fairs and local markets that welcome youth

Section	Questions asked by Participants	Feedback heard
RETHINK		
		participation. Develop youth-led awareness campaigns, perhaps through schools, volunteer programs, or social media collaborations. This would help to build community pride centered around the certification program.
Strategy Number: 1.2 Action ID: 088 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	How would business be supported and mentored? How would this be promoted? How would education be incorporated into this program?	It's possible this initiative could encourage a positive culture shift, as local businesses take pride in being sustainable and residents feel empowered to support them. It would be ideal if the program included youth recognition, such as an award for "Youth-Led Circular Initiatives" or a partnership with student entrepreneurs. A certification program can make sustainability more visible, trustworthy and attainable, especially for younger people who want to see real examples of circular business models in their communities. Residents are not directly involved but this certification program plays a crucial role in shaping the

Section	Questions asked by Participants	Feedback heard
RETHINK		
		local economy and influencing that culture shift. Progress would be limited if you do not have business on board in some way. If they are not reducing waste or adopting principles of circular economy, then there will not be a significant impact.
Strategy 1.3. Build on and foster an inclusive and collaborative circular economy		
Action 1.3a: Collaborate with external groups to identify and implement new circular economy initiatives in the community.		
Strategy Number: 1.3 Action ID: 017 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Would there be penalties for not adhering to circular economy initiatives? How could it be marketed and generate interest?	Participation might be difficult unless there are clear opportunities promoted in the community. Young people do not often receive this information directly. Social media, school networks or community events would be helpful. Accessible communication and flexible ways to get involved, like surveys, pop up booths, or short volunteer opportunities
Strategy Number: 1.3 Action ID: 017 What should Metro Vancouver consider to support your participation with this action?	How will Metro Vancouver ensure Youth voices are heard? Funding or micro-grants for youth-led projects?	Metro Vancouver should consider creating youth centered spaces like workshops at schools, libraries, or recreation centres. Things like volunteer certificates, community

Section	Questions asked by Participants	Feedback heard
RETHINK		
	How will success be measured?	service hours or small incentives (honouriams) to encourage participation Collaboration with youth councils, local colleges and universities, environmental and sustainability clubs.
Strategy Number: 1.3 Action ID: 017 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	What external groups would be most interested? (schools, libraries, community centres) What groups might be more hesitant? (businesses, real estate etc.) How will these groups be chosen? Open calls to the community? Will there be a clear hub for communication where residents can track initiatives?	HIGH PRIORITY This collaboration with external groups such as schools, non-profits and businesses can help generate that culture shift that we talked about earlier. Metro Vancouver should incorporate mentorship programs or innovation challenges. Youth can co-develop projects with local organizations that are rooted in circular economy principles Transparency regarding initiatives and progress reports from Metro Vancouver would help public trust and motivation
Action 1.3b: Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects.		
Strategy Number: 1.3 Action ID: 098 If Metro Vancouver includes this action in the updated solid waste management	Where do you go to get resources on community gardens? What role would Indigenous people or communities play in	Participation could be made easier by hosting Indigenous-led community workshops or learning sessions. Offering school credits or volunteer opportunities to students.

Section	Questions asked by Participants	Feedback heard
RETHINK		
plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	this program? How would youth be encouraged or incentivized to participate?	Creation of online sign up or quick, shorter-term projects so youth can fit these in their busy schedules.
Strategy Number: 1.3 Action ID: 098 What should Metro Vancouver consider to support your participation with this action?	How would Indigenous, First Nations and Metis members be included in the design of programs? Would there be clear education components that focus on the cultural significance and sustainability of Indigenous practices?	Partnerships with local First Nations, Metis and Indigenous groups would be crucial to the success of this program.
Strategy Number: 1.3 Action ID: 098 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	How would Metro Vancouver ensure Indigenous communities are equal creators in this program? Would there be more education opportunities to learn about the history and significance of Indigenous agriculture/permaculture practices? How would Indigenous Youth or youth groups be included in leading and designing the programs? Could year-round designated spaces be created for this initiatives? How would Metro Vancouver make sure that these programs and collaborations are beyond symbolic and encourage partnerships,	HIGH PRIORITY Food and Agriculture presents a massive source of waste. The waste in these sectors must be tackled if we are going to make a meaningful impact in sustainability. There are also many opportunities in the community and as an individual to reduce your food waste. So I feel like this might be one of the easier initiatives to scale up. This program can be done in line with Canada's spirit of reconciliation as outlined by the Truth and Reconciliation Commission It is important that Indigenous communities are co-creators in this program and not just

Section	Questions asked by Participants	Feedback heard
RETHINK		
	respect and reciprocity?	consulted after. Mutual learning is also important I think most youth love the idea of more hands-on community projects such as shared gardens, food forests and composting hubs
REDUCE		
Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source		
Action 2.1b: Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.		
Strategy Number: 2.1 **Action ID: 028** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	How would Metro Vancouver make this program appeal to businesses and residents? How to access these procurement programs?	This might be difficult for direct participation as this action centres organizations and procurement processes
Strategy Number: 2.1 **Action ID: 028** What should Metro Vancouver consider to support your participation with this action?	How would procurement decisions be made? What say would the community have in these decisions?	Transparency would be crucial to show residents how procurement decisions are made and what they can do to influence them Education campaigns focusing on the environmental impact of various purchases and how sustainable goods improve

Section	Questions asked by Participants	Feedback heard
RETHINK		
		local economies Supporting local and youth-led business that create eco-friendly products that could be included in the procurement network Partnering with schools through projects, challenges and advisory committees that can brainstorm new potentials for product design and procurement
Strategy Number: 2.1 Action ID: 028 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	How will the environmental impact of new procurement processes be evaluated? Will there be transparency and reports made public on the progress reducing waste? Incentives or recognitions for organizations that use this program?	Medium Priority An average citizen cannot participate directly. However it could have big impacts on the waste produced by consumers. As a young person concerned about climate change and the environment, a sustainable procurement plan for organizations and businesses is an important shift.
Action 2.1c: Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations.		
Strategy Number: 2.1 Action ID: 0100 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in	How will Metro Vancouver include youth and the broader community in this program? How will the tools be made available to everyone to have the most benefit?	Similar to the previous program, this would be a bit more difficult for average people. Youth and community participation in the development of these

Section	Questions asked by Participants	Feedback heard
RETHINK		
it? If difficult, what is it that makes your participation easier?		educational tools could be meaningful. Tools should be made accessible as possible. This could include various languages, formats and online sources. Partnerships with schools, universities and youth organizations to promote and develop tools.
Strategy Number: 2.1 Action ID: 0100 What should Metro Vancouver consider to support your participation with this action?	Recognition or certification programs for businesses that use the tools?	Metro Vancouver should see youth as both consumers and creators/entrepreneurs. Many care greatly about the health of our environment and are also creating small businesses and solutions.
Strategy Number: 2.1 Action ID: 0100 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	How will Metro Vancouver ensure accessibility for all residents? How will low-income and newcomers access this? Could businesses partner with local schools and universities to broaden impact? Successful examples of waste reduction could be demonstrated to the community?	Medium Priority As this is geared toward businesses, there might be less direct impact. But this could have a significant impact on shifting the culture that we discussed earlier. Reducing packaging, reusable options and empowering people to make better purchases would also shift this culture. Maybe if the education tools were open and available to the public the benefit might be greater. Such as some online hub or platform as well as town hall style events.
Strategy 2.3 Prioritize food waste reduction initiatives		

Section	Questions asked by Participants	Feedback heard
RETHINK		
Action 2.3a: Work with business, industry associations, and non-profits to reduce food waste by improving food purchasing, storage, and preparation methods.		
Strategy Number: 2.3 Action ID: 072 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	How will the food industry and grocery stores be supported to reduce food waste? Donate food? Would youth or schools be involved in the programs? How so?	Again this is mainly focused on businesses and organizations. Participation for people might be easier if there were awareness campaigns, food rescues or drives and volunteer events If there were clear hubs or resources that the public could access, like waste reduction workshops, community kitchens or partnerships with schools. That way I would be more motivated to access these programs
Strategy Number: 2.3 Action ID: 072 What should Metro Vancouver consider to support your participation with this action?	Expansion of community composting and gardens? Small grants or recognition for community and youth-led food waste ideas?	As we talked about, educational campaigns and social media events that focus on food storage, recipe planning and waste reduction in the home and garden Partnerships with schools, youth organizations and local celebrities could have an impact Volunteer and internship opportunities offered to youth like food recovery or composting programs.
Strategy Number: 2.3 Action ID: 072 How much of a priority is it to you to include this action in the draft solid waste	How will progress be tracked and reported? Similar to the last action, how will accessibility be ensured for all residents? How will	High priority As highlighted in the Indigenous-led permaculture action, changing our food and agriculture systems can have

Section	Questions asked by Participants	Feedback heard
RETHINK		
management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	low-income and newcomers access this program?	a massive impact on waste reduction. Community fridges, composting and zero-waste cooking would also help shift culture and habits. Creation and support of food-sharing networks like apps that connect people, stores and non profits to redistribute food.

Post-Engagement Activity Summary

Activity: Youth (18-30) Focus Group	
Activity Date	October 7, 2025
Organization/group name	CityHive
Time/Duration	1.5 hrs (90 mins)
Location	CityStudio (1800 Spyglass Place, Vancouver)
Format	Focus group
# of Participants	16 participants 1 staff participant
Strategies and Actions Discussed	Strategy 4.5: Making recycling easier and more effective by reducing confusion and improving convenience ● Action ID131: Improve access to textile donation and recycling collection services. ● Action ID132: Recognize and reward those who recycle well so others are inspired to follow their example. Strategy 4.6: Target recycling education ● Action ID150: Research and target the most confusing items for residents that are often incorrectly sorted.

Appendices

- Appendix A - Focus Group Notes [below]
- Appendix B - Focus Group Photos and Videos [attached]
- Appendix C - Participant Evaluation Forms [attached]

Appendix A - Focus Group Notes

Section 4.5 | Action ID131

Improve access to textile donation and recycling collection services.

Section 4.5 | Action ID131	Questions asked by Participants	Feedback heard

Strategy Number: 4.5
 	
Action ID131: Improve access to textile donation and recycling collection services.
 	
If Metro Vancouver includes this action in the updated solid waste management plan, how **easy** or **difficult** will it be for you to participate in it?
 	
If difficult, what is it that makes your participation easier?
	• Apart from ngos - are there services provided by the cities?
	• What do you mean by easy and difficult?
		• Where to recycle? Knowledge of places to donate
		• Organizations are available for clothing swaps and accepts intimate clothing and socks like threadup - they exist but they are hard to find
		  ○ There's an organization that accepts intimate clothing
		  ○ People wait for events because they are ngos w limited resources and it's not 9-5
		• *If city of vancouver has a website with a list of NGOs too can be helpful*
		• *For clothes, the website said you can find donation bins with no resources*
		  ○ *A google asset map would be helpful, but since there is a lack of information, people usually give to value village which has its own ethical concerns*
		• *Some far off locations are in marine drive, which isn't accessible by transit & we have to pay for larger items*
		• *Wondering if the city can be responsible intermediate*
		  ○ *Things that could make it difficult: time, capacity, proximity, accumulate a large amount which is tedious to take through*

Strategy Number: 4.5
 	
Action ID131: Improve access to textile donation and recycling collection services.
 	
What should Metro Vancouver consider to support your participation with this action?
	• Wondering if they can work with shops to collect recycling - like H&M but not exactly?
	• Does textile also include shoes? Multiple compositions of materials
	• Couch? Car seat?
	• What would push more people to use asset maps and make it more accessible in terms of rules and regulations? What kind of psychological barriers could there be?
	• Wondering how we can target people who just dont wanna recycle? Punish? Penalty?
		• Special textile collection bin: regular green bins go out everyday but sometimes when there extra leaves during fall they have special programs, this could be a special program
		  ○ Seasonally people change their wardrobe so they can pick up every 3 months
		• Donation bin things are picked up but concern for bed bugs and what can and cannot go into a bin, similar to plastics
		• Asset maps for donation bin similar to the [redacted] can be very useful
		  ○ Should include info about time and day that is emptied is useful so it's not a burden on the community it's servicing by being overful/unpredictable
		  ○ Someone commented they live near diabetes canada donation bin and is always overflowing
		  ○ Do not recommend a bin for every house because it gets dirty and not necessary, one for every neighbourhood, always overfull. Plus it promotes more buying by giving individuals the feeling that they are doing enough by recycling.
		• After asset map is created, can identify where there is high concentration and deserts so they can identify where the need is
		  ○ Adding bins to places that already exist - MEC, Uniqlo
		• Rebound effect since recycling is more accessible then people will start buying more since there is a solution to overconsumption - how can we stop before we reach to the recycle stage

		● Concerns about recycling different kind of textiles and materials and how this is difficult ○ Recycling fabric made of different compositions is difficult ● Lack of knowledge of where donation bin clothes end up, value village clothes were tagged and traced to landfill, so it seems performative to donate your clothes. It is problematic, the lack of transparency about where clothes are going ● It would be great if there's in-person places considering age and access/comfort using internet - could be at community centres etc which could include folks that cant access the community centres ● If people dont wanna go to community centres, pamphlets and brochures (recycleBC has a visual one that's accessible) Thinking about people who don't care and need a mindset change ● Incentivised plastic bottle recycling also caters to people who don't care ● Building this into textiles too as a business model ● Upcycling too is quite popular and this can be introduced ● Wondering if including a fee at purchase can adversely impact people who buy long term and infrequently ● Cup fees discriminated against low income because price has increased for those folks, who is supposed to take responsibility ● Reward instead for someone who buys second hand, partnering with city of vancouver

		• Mindset change of buying new things is special - people look down at buying second dow • Upcycling useable is intuitive but upcycling goos thats not useable is a bit trickier like scraps of clothes • Individual focused strategy over industry, the organization should take the responsibility and not the end user.
Strategy Number: 4.5 **Action ID131: Improve access to textile donation and recycling collection services.** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	• None	• 7 for medium • 1 for high
Strategy Number: 4.5 **Action ID131: Improve access to textile donation and recycling collection services.** Is there anything else you'd like to add to the conversation on this ACTION?	• None	• None

Other Strategies/Actions engaged on?	• N/A	• N/A
Next Steps	• **None**	• **None**

Section 4.5 | Action ID132

Recognize and reward those who recycle well so others are inspired to follow their example.

Section 4.5 | Action ID132	Questions asked by Participants	Feedback heard

Strategy Number: 4.5
 	
Action ID132: Recognize and reward those who recycle well so others are inspired to follow their example.
 	
If Metro Vancouver includes this action in the updated solid waste management plan, how **easy** or **difficult** will it be for you to participate in it?
 	
If difficult, what is it that makes your participation easier?
	• Did they include more information about this?
	• How do you measure who recycles best?
		• I know metro vancouver had a master recycling program where you could tell it to your coworkers
		• Could be apartments or workplaces - could be friendly competition
		• Thinking of recycling hall of fame
		• Maybe a stamp card to redeem something for
		• Was designing sustainable hubs program for ubc program, hard to recognize people or reward them if you don't incentivize in first place
		  ○ If you give reason and motivation to contribute to bigger problem would help move the needle
		  ○ Have little steps that lead to something and broken down could be something
		• It's interesting to ask how easy or difficult it will be
		  ○ More time it takes to do something will make it harder
		  ○ Honoraria could incentivize
		  ○ Different housings might make a difference ex. Coop or townhouse
		• When i went to a recycling center they turned me away because i didnt have a car
		  ○ Making it easier for youth who don't have cars would make it easier
		• Could work, lots of research that shows

		stories ○ Difficulty could make it harder for normal people to participate ○ Should be accessible, should be something that isn't insanely difficult, being a good citizen ● The area that metro Vancouver takes care of is so large, hard to imagine how much of an impact it will make ○ On an individual scale not realistic, maybe neighborhood, community more realistic ○ Champions that represent a certain community - how can i achieve this greater goal ○ There's always people willing to volunteer like biking for fun, maybe something day-related to recycling like earth day using passion and community ○ Bit of a distance between myself and metro vancouver ● By municipality ● Having events or competitions - how much did burnaby recycle? Richmond recycle? ● Having stats to communicate that story, how individual actions led to big result and capturing those pieces ○ Many people feel like their contributions wont be enough or valid ○ Actually seeing how actions make a big action would be incentive ● One thing ive heard from my friends that help is having volunteers at big events to help with sorting ○ People who go there learn something new AND recycling actually gets sorted ● Like a live demonstration or certification, leaders who you can contact and ask

		questions to and act as a point of reference ○ Someone to coordinate and keep track of ○ Don't want to spoon feed ○ Partner with businesses and incentivize with products like a transit pass, something tangible that represents what they re doing ● Refilling glass containers items with soap or shampoo ○ Would represent circular economy values ○ Ideally not in a world where not everything in its own packaging ● Depends on what it looks like ○ If picture on website kind of lame ● Like the idea of moving away from individual to community or collective actions like neighbourhoods or communities ○ Adds an element of fun competition between different neighbourhoods ○ Makes it less difficult to recycle ● A coworker of mine told me that when onboarding to apartment building the concierge will give overview of how to recycle ○ No messes, well sorted
Strategy Number: 4.5 **Action ID132: Recognize and reward those who recycle well so others are inspired to follow their example.** What should Metro Vancouver consider to support your participation with this	● How long does it take?	● Seeing money being invested in whatever program they want to do ○ Triangle says recycling into new products ○ Seeing metro vancouver's logo on partnerships/programs ○ Nothing pops to mind when i think of metro vancouver, unlike city of vancouver ○ Someone is keeping an eye on it to keep it regulated/legitimate

action?		● Time & effort to do these things ○ Everyone is busy ○ How long does it take? ○ Can become a barrier ● Discouraged by people who are 'bad recyclers' ○ When showing downstairs neighbours, got confused how to recycle ● Want to see education efforts to people who are brand new and have been ● Feel like it would be interesting, when doing glass sorting seeing where neighbourhoods it came from ○ For those recycling well, being rewarded with incentives ● Could be a barrier for poor vs rich communities who have time to be involved ○ Using % improvement to compare instead ● Transparency for monetary rewards ○ Sitting down with municipalities with clear systems of how to record recycling ○ Open access for the public, accessing data for school or community research ○ See the numbers, so much power in data ● We've mostly been speaking about individuals but also want to think about events, theres lots of single use items. Some will get recycled but lots will go to land waste ○ If could include sustainability and recycling as criteria for grants and relationships with funders/access to more funds ○ Easier to make larger scale impact on events ○ In stadiums for example or city of

		vancouver events
Strategy Number: 4.5 **Action ID132: Recognize and reward those who recycle well so others are inspired to follow their example.** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?	● None	● Low ○ Feel like in the pyramid is low ○ The action is very broad ○ Can connect with other aspects ○ When it comes to sustainability, not in a vacuum. How can we go back to encourage reduction or waste ○ People might be incentivized to buy more to recycle more, could backfire in theory ○ If metrovancouver actually puts the money into it, it could shift my priority ● Agree in grand scheme ○ Rethink and reuse more important ○ If just thinking recycling, would go medium or high ○ Education is important, but incentivizing is more important ○ People not rinsing their cans before recycling, might be incentivized by trends or fun ● There's always going to be more recycling, focusing on higher parts of triangle better (on hierarchy and goals) ○ We have a piece of puzzle to play even if hate greenwashing ○ Play a role rather than dumping on

		side of the road ● In theory, only change behaviour by incentivizing. Behaviour change happens when punishment happens for wrong thing ○ Wall of fame and wall of shame ○ If people fear embarrassment more than they like being worshipped ○ Example of uni in Amsterdam where they banned recyclable cups then introduced reusable cups ● Don't make it only about recycling ● Make it more feasible for nonprofits to make it easier to support for example community gardens ○ So align with values that they want to reward for it ● Seen places where the recycling all goes into the same bin, its all an illusion ○ Should punish businesses who do it poorly ○ Incentivize those who do it well ● Half the time its only recycle or landfills ● Behind the scenes will be more impactful than rewards ○ More work needs to be done before reaching this action ○ Ex. education ○ Recognition and reward feels like the last part ● Its the cherry on the top, can do a lot before we get there
Is there anything else you'd like to add to the conversation on this ACTION?	● None	● It's really disheartening when recycling all ends up in the same truck even after sorting

Other Strategies/Actions engaged on?	● Where is the recycling going?	● Transparency being last on priorities is not helpful ○ Apathy towards recycling is similar to not wanting to vote
Next Steps **Other questions**	● If every equity-deserving group is only providing feedback on a few uncoordinated actions, how does this impact the waste management plan in the long-term? What changes are possible/expected? ● What are you supposed to do with broken glass?	

Section 4.6 | Action ID150

Research and target the most confusing items for residents that are often incorrectly sorted.

Section 4.6 | Action ID150	Questions asked by Participants	Feedback heard

Strategy Number: 4.6
 	
Action ID150: Research and target the most confusing items for residents that are often incorrectly sorted.
 	
If Metro Vancouver includes this action in the updated solid waste management plan, how **easy** or **difficult** will it be for you to participate in it?
 	
If difficult, what is it that makes your participation easier?
	• Can we recycle plastic-lined aluminum apple sauce lids?
	• Do people recycle differently based on context? Ex. If they live in one city and work in another, how do people recycle at home vs at work? There are differences in access to recycling bins/signage
	• Sometimes there's not many recycling options even if there are bins
	  ○ I know soft plastics are recyclable - is someone taking those to a depot?
		• Most people don't bother to look up what can be recycled
		• People already involved in events like this focus group already have an interest
		• To make it easier, research should be in places where there's a lot of people
		  ○ If people are on their way to something it's hard to get people to stay and talk - will people respond differently if they know they're not selling anything or trying to sign up with anything?
		• There are problems with how businesses handle recycling, like at McDonalds things all end up in one bin

Strategy Number: 4.6
 	
Action ID150: Research and target the most confusing items for residents that are often incorrectly sorted.
 	
What should Metro Vancouver consider to support your participation with this action?
	● What could the format look like? What's Metro Van's capacity? Enough budget? Market research costs money
	● What's the scope/timeframe of the plan if they're looking into these results?
	● This action seems like a "bandaid solution". When are they going to review this and make recycling more streamlined across Metro Van?
	● Richmond doesn't seem to have a lot of people using public programs. Do people from different groups or demographics go to the library?
	● Need multiple strategies to target different groups - all age groups, people in different building types - what if you're in a neighbourhood not a strata or building?
	  ○ Could someone come with or instead of a garbage/recycling truck to talk to people?
	● City websites are confusing to follow - lots of policy and text - where does it go? What is the story?
		● Dot survey (ex. "Which items do you find most difficult to recycle?") would be easy, simple, and quick
		● There was a program, zoning or public park or something, and at a public library in burnaby they had an open 'suggestion box' you could put your thoughts in
		  ○ Consider public consultations where you're not in a rush and can quickly give your input and continue on your way - good way to get to lots of the public
		● People live in a building they recycle in the building - maybe it would be more useful to approach a strata to find out what they're doing as opposed to individuals
		● People picking up recycling are specific that if it's not properly sorted they'll leave it behind
		● Burnaby seems to be one of the most strict - cracks down in terms of enforcement - they have people there that can answer your questions
		● Whoever's in charge of handing out those letters - talking to bylaw officers or working at the recycling depots that get asked the most questions - they could be a good resource. They know what people try to do
		● Talk to the sanitation workers that collect the trash and leave the letters
		● It'd be nice if we could know where things were going
		  ○ Like those impact bracelets where you can scan it and follow a turtle
		● If people knew where materials were going and not just the landfill they'd be encouraged
		● We don't know what happens to stuff once taken to the depot

Strategy Number: 4.6
 	
Action ID150: Research and target the most confusing items for residents that are often incorrectly sorted.
 	
How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?
	● How does this integrate with the other actions? Would it all happen at the same time?	● This seems like the first step but the targeting step is the first thing that takes place
		● It's inconsistent across municipalities so this action should be high priority
		  ○ Long terms goal is that it's streamlined across municipalities
		● If all plastics were recyclable, people wouldn't be as confused
		● All agree it's high priority - it needs to get done closer to beginning of plan being implemented
		  ○ The first step in knowing how to fix a problem is knowing the problem

Strategy Number: 4.6
 	
Action ID150: Research and target the most confusing items for residents that are often incorrectly sorted.
 	
Is there anything else you'd like to add to the conversation on this ACTION?
	● Fundamentally - Metro Van is responsible for the waste - if that's the case, why are things so fragmented?
	● This is supposed to be "Metro Vancouver" but within it different municipalities have different rules - if that's disjointed, then how will the new plan change things? Similar to transit - how bus stops are designed is different in different municipalities
	● What's already happening in the region? There's a lot of tasks and a lot of links between
		● Metro Van handles landfills but municipalities decide how waste is collected - there are differences in how they build laneways - some have crews, some have trucks with claws. Some lanes aren't long enough for a truck so they have to do manual collection
		  ○ Technically all waste is under provincial control - technically Recycle BC handles all recycling - they come out to municipalities and say how to take care of it, but they subcontract it out to waste management and collection services
		  ○ Each private contractor has its own way of collecting, but I'm pretty sure it all goes into the same facility
		● Many (every?) municipalities do a waste audit - so they go into garbage cans/bins, look at what items go into the bins and are they being sorted correctly - what type of waste is ending up in the garbage, and look granularly at what could have

	them ● We spend a long time trying to figure out what goes where but why are we doing that if it's all going into one place anyway? ● Is this work that needs to be done? Is it already getting done? Is it Metro Van that should be responsible for this?	been recycled ○ That data could be a starting point to determine what's often sorted incorrectly. The foundation is there ● Biodegradable things and "compostable" things are actually garbage which is frustrating ● I know there are four streams existing - single family, multi family, industrial like businesses and restaurants, construction and demolition; ○ Industrial has the lowest rate. Target was 40% but they barely met it ● Ocean Ambassadors, a non-profit, had an initiative where you could get them to reach out to businesses to get them to reduce their waste or recycle properly - try to work with businesses to make things more green

Other Strategies /Actions engaged on?	N/A	● N/A
Next Steps	● None	● None of us knew the plan update was happening ● People don't know even though they're actively involved in trying to recycle ● Terracycle - the founder has a book talking about post-consumer recycled materials and the future of recycling ● It'd be good to get updates about how the plan is coming along and what actions were chosen as highest priority ● I don't think there's a way to sign up for updates but there should be. You shouldn't be making people search for the information - if they're interested it should be sent to them "do the work for them"

Metro Vancouver Solid Waste Management Plan Update - Options Analysis
Collaborative Engagement Summary Report

Report Submitted by: Sheila Molloy, Executive Director, Coast Waste Management Association

Submitted to: Brooke Atkinson, Engagement Specialist, Solid Waste Services, Metro Vancouver

Submitted: October 31, 2025

INTRODUCTION

Coast Waste Management Association members are directly or indirectly affected by Metro Vancouver's Solid Waste Management Plan.

We are grateful to have been able to contribute to illustrate some of our challenges, interests, and the needs of various industry sectors so that Metro Vancouver can have the most insightful details to create a comprehensive and innovative plan which will lead the way for the region and across BC.

We were grateful to support this consultation process.

OUR ACTIVITIES

- Two focus groups
  October 21, 2025 | 10:00 - 11:30 AM PST
  October 29, 2025 | 12:00 - 1:30 PM PST
- Focus Group Broader Strategies & Actions Priority Feedback
- CWMA Working Group Meetings General Discussion
- General Questionnaire
- E-newsletter and mailing list promotion for Metro Vancouver's feedback

Engagement Activity Summaries are included in this greater report with all appendices.

THE ORGANIZATION

Coast Waste Management Association https://cwma.ca is a highly regarded, non-profit membership association serving the solid waste industry across British Columbia.

We are comprised of 240 member organizations with over 1300 individual participants engaged in our community and a greater industry network of over 3600.

Our member participants are representative of the broader industry, including corporations of all sizes and sectors, local governments, non-profits, stewardship organizations, and First Nations.

THE ENGAGEMENTS

1) Focus Groups

The primary goal of the focus group sessions was to bring together a cross-section of leaders in the solid waste management industry in British Columbia, representing various sectors, to ensure diverse perspectives and innovative ideas for Metro Vancouver's Solid Waste Management Plan update. We selected a total of 6 action items with a goal of finishing the first 4 and the final 2 if there was time in each discussion.

We also asked focus group participants to send back their top 3 high and low-priority actions.

We found that limiting the conversations to only 4 (or) 6 actions was such a small feedback framework, and we wanted to provide everyone with the ability to give more general feedback applicable to them specifically.

2) Working Group Meetings General Discussion after each meeting/ Individual Interviews

We opened the conversation at our regular meetings for one-on-one feedback for those who were unable to make the Focus Groups. This allowed us to get feedback from individuals who self-selected with an interest in providing thoughts on the overall Strategy. This was an unscripted discussion with only one question. Notes provided for this are a general summary of the feedback.

3) Questionnaire

This was based on Metro Vancouver's more public-facing survey, with the addition of a handful of questions having the survey takers think about what it means to their organizations as well. A separate analysis of the organization feedback has been included.

4) E-newsletter and Mailing List Marketing

To ensure we effectively marketed our engagements to members, we sent out reminders using our weekly e-newsletter and a specific outreach to our Member List. Samples have been included.

5) Promotion of Metro Vancouver Feedback Outreach

Cross-promotion and encouraging everyone to take the Metro-Van Feedback survey were part of our collaborative actions to maximize the reach and feedback for Metro Vancouver.

COMMUNICATION DATES

October 21, 2025 | 10:00 - 11:30 AM PST | [redacted]
October 29, 2025 | 12:00 - 1:30 PM PST | [redacted]

Direct Emails sent
Sent Sep 26, 2025, at 1:55 pm PDT
Sent Oct 17, 2025, at 9:30 am PDT
Sent Oct 20, 2025, at 3:30 pm PDT

Weekly Newsletters
From October 1 to 29th

ACTIVITY SUMMARIES INCLUDED

2-CWMA FG1 Engagement Activity Summary - October 2025
3-CWMA FG2 Engagement Activity Summary - October 2025
4-CWMA GD Engagement Activity Summary - October 2025
5-CWMA MV Questionnaire Engagement Activity Summary - October 2025

APPENDICES

Appendix A: Direct Email Sample
Appendix B: Direct Email Sample 2
Appendix C: Direct Email Sample Survey
Appendix D: Marketing in the CWMA Weekly News
Appendix E: CWMA FG Presentation Collaborative Engagement Presentation - Options Analysis – 2025
Appendix F: Participant Email - LOGIN and PREREADING CWMA Member Feedback Roundtable
Appendix G: Focus Group SCRIPT
Appendix H: Both FG Session Evaluations.pdf

NOTES

We have included Word documents to make it easier to copy and paste details and analysis.

Metro Vancouver Solid Waste Management Plan Focus Group Insights GROUP 1

Executive Summary

The session centred on the draft strategies and actions for Metro Vancouver's Solid Waste Management Plan update, with a specific focus on "Rethink, Reduce, and Reuse." Participants included representatives from municipalities, regional districts, non-profits, EPR organizations, and private sector businesses.

The discussion revealed a strong consensus on the plan's high-level vision but identified significant concerns regarding the practicality, clarity, and implementation of the proposed actions.

Four critical takeaways emerged:

1. **Demand for Specificity and Measurability:** A pervasive theme was that many proposed actions are too broad, abstract, and vague. Participants consistently called for clear definitions of key terms ("circular economy," "collaboration," "reuse"), specific examples of intended initiatives, and concrete metrics for success. Vague language was seen as a barrier to implementation, buy-in, and accountability.

2. **Clarification of Jurisdictional Roles and Resources:** There is significant apprehension about unfunded mandates being placed on member municipalities. The group strongly advocated for Metro Vancouver to assume a clear leadership and funding role, acting as a regional coordinator and consultant. Actions that imply new responsibilities for municipalities must be developed in close collaboration with them and be supported by adequate resources.

3. **The Imperative of Building Trust:** A historical trust deficit was identified as a critical barrier to effective collaboration. A participant noted past experiences where stated "zero waste" goals appeared to conflict with actions like planning for new incinerators. For future collaboration to succeed, Metro Vancouver must ensure its funding priorities are transparently aligned with the plan's stated goals and actively work to rebuild trust with community partners.

4. **A Call for Practical, Targeted Business Engagement:** While engaging the business community is viewed as essential, the group cautioned against a one-size-fits-all approach. The most effective strategy would involve developing practical, industry-specific toolkits and framing the benefits of circularity in terms of economic viability and bottom-line improvements. A focus on creating reporting burdens was seen as less effective than providing actionable guidance.

Introduction

On behalf of Metro Vancouver, the Coast Waste Management Association facilitated a focus group to gather feedback on the "options analysis phase" of its Solid Waste Management Plan update. The session brought together a diverse group of professionals from across the waste management sector in British Columbia to evaluate potential strategies and actions.

This report provides an objective analysis of the detailed feedback, overarching themes, and specific critiques that emerged during the discussion.

The plan's updated vision, "A thriving region where nothing is wasted and resources are valued," was presented alongside its seven guiding principles: accountability, transparency, climate change, accessibility and equity, affordability, innovation, and collaboration. The discussion that followed provided a nuanced perspective on how the proposed actions align with these principles.

Overarching Themes and Critical Feedback

Across the detailed discussion of specific actions, several high-level themes consistently surfaced. These represent the group's core concerns and recommendations for strengthening the draft plan. This group took additional time to outline specifics.

1. The Demand for Specificity and Measurability
Participants repeatedly found the language of the proposed actions to be too ambiguous to be effective. This lack of clarity creates challenges for implementation, partnership, and performance measurement.

• **Ambiguous Terminology:** Key terms like "collaborate," "reuse," and "proven successful" were flagged as needing clear, shared definitions. Without this, initiatives risk misinterpretation and inconsistent application.

• **Measurement and Accountability:** The group questioned how progress on vague actions could be tracked. As one participant noted regarding an action to "collaborate with external groups," the term itself is difficult to quantify: "How are you going to say we collaborated?... Is that sharing information? Is that just getting everyone in the same room? Is that... putting money in a pot with somebody else?"

• **Need for Amalgamation:** Several actions were seen as overlapping or redundant. The group was divided, but some felt that amalgamating similar actions and making them more specific would create a more focused and impactful plan.

2. Clarifying Jurisdictional Roles and Responsibilities
A significant point of contention was the perceived creation of unfunded mandates for member municipalities and a lack of clarity around Metro Vancouver's role in executing the plan.

• **Unfunded Mandates:** A participant articulated this concern directly, stating that many proposed actions represent "an unfunded mandate... they're asking us to do more with the same number of resources or... fewer resources." This was identified as a major barrier to participation, especially for municipalities focusing on core services.
• **Metro Vancouver's Leadership Role:** The group strongly advised that Metro Vancouver must position itself as the leader, coordinator, and primary implementer of regional initiatives, rather than simply an entity that creates expectations.

• **Collaboration Hierarchy:** When discussing collaborations with external entities like Chambers of Commerce, municipal representatives emphasized the need for Metro Vancouver to first engage with its member jurisdictions to ensure messaging is aligned and efforts are not duplicated.

3. Building Trust and Ensuring Aligned Funding
Historical context played a crucial role in the group's feedback, with past actions by Metro Vancouver influencing the level of trust in the current planning process.

• **The "Elephant in the Room":** One participant highlighted a critical trust issue stemming from the 2011 plan, which promoted a "zero waste" vision while simultaneously planning for new incinerators.

• **Funding and Priorities:** This historical context led to concerns that major capital projects, such as the existing incinerator, would consume the majority of available finances, leaving little for the circular economy initiatives outlined in the draft actions. To build trust, funding must be transparently allocated to support the plan's stated priorities.

• **Authenticity of Intent:** Participants stressed that for collaboration to be successful, external groups must trust that the initiatives are genuine and not simply "lip service" or a means to collect materials for waste-to-energy processes.

Detailed Analysis of Draft Strategies and Actions

The focus group performed a deep dive into specific actions under the "Rethink, Reduce, and Reuse" categories. The following table summarizes the key feedback, identified barriers, and proposed recommendations for each action discussed.

Strategy & Action Item	Participant Feedback & Priority Rating	Key Barriers & Recommendations
Strategy 1.2: Support the		

transition to a more circular regional economy through waste prevention.		
ID014: Work collaboratively with economic development agencies to implement circular business solutions.	Priority: Medium to High. The action was praised for its potential to create both high-skilled and low-barrier local jobs. A circular economy was viewed as a high priority for local government.	Barriers: Lack of clarity on which agencies would be involved; potential for limited influence by a regional government. Recommendations: Incentivize local processors to create regional end markets; ensure buy-in and a shared understanding of "circular economy" among partner agencies.
ID011: Explore collaborations with entities (e.g., chambers of commerce) to equip small and medium-sized enterprises (SMEs) with practical guidance.	Priority: Mixed (Low to High). Supporters noted SMEs lack the capacity to develop circular models independently. Others saw it as a "nice to do" that could be achieved with smaller campaigns, arguing that other actions are higher priority.	Barriers: An unfunded mandate for municipalities; potential for inconsistent messaging. Recommendations: Metro Vancouver must take a leadership role and collaborate with municipalities *before* engaging external groups; frame circularity in terms of economic benefits made newly viable by technology like AI.
Strategy 1.3: Build on and foster an inclusive and collaborative circular economy.		
ID017: Collaborate with external groups to identify and implement new circular economy initiatives.	Priority: Low. This action was widely criticized as being too broad, vague, and overlapping with other actions, making it difficult to measure.	Barriers: A significant trust deficit based on past Metro Vancouver actions; lack of specificity. Recommendations: This action needs to be made much more specific (e.g., updating zero-waste event guidelines) and must be backed by transparent funding and trust-building measures.

		Barriers: Unfunded mandate for municipalities; businesses are primarily profit motivated.
ID026: Collaborate with agencies to educate businesses on the benefits of circular models.	Priority: Medium. Seen as a more specific version of previous actions. However, the "push" approach to education was questioned.	Recommendations: Metro Vancouver must define its role (e.g., as a consultant); create practical, industry-specific toolkits (e.g., for restaurants); frame circularity in terms of bottom-line benefits.
Strategy 2.1: Collaborate with businesses and institutions to reduce waste at the source.		
		Barriers: Scale of implementation (business-by-business is infeasible); potential administrative burden on businesses
ID102: Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses.	Priority: Mixed. Viewed as potentially valuable but also a massive undertaking. The focus on *estimating* and *reporting* was seen as less useful than providing tools for actual reduction.	Recommendations: Develop industry-specific toolkits for waste reduction rather than focusing on reporting mechanisms; work through service providers who already engage with businesses.
ID002: Continue work with plastics waste reduction organizations... to reduce plastic waste and identify additional hard-to-recycle plastics for elimination.	Priority: High. This action received nearly unanimous and enthusiastic support from the group. It was seen as a clear, actionable, and high-impact priority.	Barriers: None identified; strong willingness to collaborate Recommendations: Prioritize this action; actively partner with expert organizations that are already leading this work and have ready-made solutions.
Strategy 3.1: Support consistent approaches to reuse.		

ID034: Advocate for the adoption of consistent reuse regulations once they're proven successful at the community level.	Priority: Medium. The principle of advocating for reuse regulations was supported.	Barriers: The terms "reuse" and "proven successful" are too vague. Success in one community does not guarantee universal applicability. Recommendations: The plan must clearly define what "proven successful" means and provide specific examples of the types of "reuse" being targeted.

Conclusion

The focus group participants demonstrated a high level of engagement with Metro Vancouver's Solid Waste Management Plan update. There is clear support for the plan's ambitious goals, particularly in advancing a circular economy and reducing plastic waste. However, the feedback indicates a critical need for refinement. To secure the buy-in and active participation of key stakeholders, Metro Vancouver must translate its broad strategies into specific, measurable, and realistically resourced actions. Addressing the core issues of jurisdictional roles, funding transparency, and historical trust will be paramount to transforming this plan from a guiding document into a successful, collaborative regional achievement.

Metro Vancouver Solid Waste Management Plan Priority Insights GROUP 1

Here's a comprehensive summary of all high and low-priority actions from the feedback that was sent following the focus group.

HIGH PRIORITY ACTIONS (Top 3s & Strongly Supported)

Most Frequently Mentioned (2+ votes):

- **ID131** - Improve access to textile donation and recycling collection services (2 mentions)

Education & Outreach:

- **ID101** - Increase in-person education where businesses can talk directly with experts
- **ID104** - Expand education tools for multi-family buildings to reduce waste, increase participation, and comply with regulations

EPR & Policy:

- **ID002** - Continue working collaboratively with national plastics waste reduction organizations
- **ID004** - Work with municipalities across Canada for circular economy regulations (1 top, 1 bottom - mixed feedback)
- **ID118** - Advocate for full EPR funding and expand to small businesses
- **ID120** - Standardize EPR + labelling and enforce anti-greenwashing

Infrastructure & Systems:

- **ID032** - Develop consistent tools/reporting for house relocation and deconstruction bylaws
- **ID039** - Encourage the development of an in-region facility for triaging building materials
- **ID045** - (high priority, no details provided)
- **ID055** - Evaluate feasibility of a regional-scale reusable food service ware system
- **ID067** - Maintain and scale the regional food recovery network
- **ID123** - Explore opportunities to facilitate the siting of private sector recycling activities

Business Support & Digital Tools:

- **ID100** - Business recycling guidance (mentioned with ID134)

- **ID106** - Create incentives for waste/recycling collectors to help customers adopt services
- **ID134** - Business recycling guidance/commercial packaging clarity
- **ID142** - Use digital tools (AI scanning apps) to support EPR and reduce contamination

Other High Priority:

- **ID001** - (top 3, no details provided)
- **ID014** - (high priority, no details provided)
- **ID027** - (high priority, no details provided)
- **ID121** - (top 3, no details provided)

LOW PRIORITY ACTIONS (Bottom 3s & Not Recommended)

Most Frequently Mentioned (2+ votes):

- **ID088** - Develop circular certification programs for business (2 mentions - already exist)
- **ID102** - Develop methods to estimate waste reduction impacts (2 mentions - covered elsewhere)
- **ID177** - Research wildlife impacts of mismanaged waste (2 mentions - indirect impact)
- **ID038** - Online marketplace for C&D materials (1 bottom + 1 "do not proceed" = 2 mentions)

Education & Behavioural Programs:

- **ID127** - Tools/tips to reduce odours/"yuck factor" with green bins
- **ID129** - Promote worm bins and backyard composting
- **ID151** - Gamify recycling education (won't change non-recyclers' minds)

Engagement & Events:

- **ID040** - Hold breakfast meetings (just tell them the rules instead)
- **ID081** - Limited municipal resources make it difficult to scale
- **ID157** - Tours (provide education materials instead)

Product & Material Specific:

- **ID024** - Clothing sector initiatives (sectors rarely willing to reduce sales)
- **ID025** - Encourage brands to take back garments (international issue)
- **ID109** - Research the recyclability of plastic-lined paper products (focus on reuse instead)

Vague or Redundant:

- **ID012** - Bring together cross-sector ideas for circular economy solutions (vague/redundant)

Implementation Challenges:

- **ID052** - Incentivize compliance (just enforce instead)
- **ID076** - Resources already available for these programs
- **ID133** - Uncertain how to implement at the regional level

Do Not Proceed:

- **ID096** - (do not proceed, no details provided)
- **ID132** - (do not proceed, no details provided)

Mixed Feedback:

- **ID004** - Work with municipalities across Canada (1 top, 1 bottom - one participant felt local action is faster)

KEY INSIGHTS

Clear Consensus on High Priority:

- Multi-family and business education/support
- EPR expansion, standardization, and funding
- Infrastructure for textiles, food recovery, and building materials
- Digital tools for contamination reduction
- Incentive alignment for service providers

Clear Consensus on Low Priority:

- Programs that duplicate existing services (ID088)
- Research with indirect/long-term impact (ID177)
- Complex coordination for niche streams (ID038)
- Voluntary behavioural programs with low impact potential (ID129, ID151)
- Actions already covered elsewhere (ID102)

Actions Needing Clarification: Several IDs mentioned as high priority lack details: ID001, ID014, ID027, ID045, ID121

Engagement Activity Summary

Activity:	
Activity Date	October 29, 2025
Organization/group name	Coast Waste Management Association
Time/Duration	12:00 – 1:30 PM
Location	Virtual / Webinar
Format	Focus Group Roundtable
# of Participants	13
Strategies and Actions Discussed	***Strategy 1.3. Build on and foster an inclusive and collaborative circular economy*** **ACTIONS:** • ID017 Collaborate with external groups to identify and implement new circular economy initiatives in the community. • ID026 Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources. ***Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source*** **ACTIONS:** • ID102 Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses how they are doing. • ID002 Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard-to-recycle plastics for elimination. ***Strategy 3.1. Support consistent approaches to reuse***

	ACTIONS: • ID034 Advocate for the adoption of consistent reuse regulations once they are proven successful at the community level. • ID063 Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.

Appendix A: Focus Group Insights GROUP 2

Appendix B: Focus Group Participant Demographics GROUP 2

Appendix C: Focus Group Priority Insights GROUP 2

Appendix D: Focus Group Transcript GROUP 2

Metro Vancouver Solid Waste Management Plan Focus Group Insights GROUP 2

Executive Summary

The discussion, involving a diverse group of stakeholders from municipalities, First Nations organizations, non-profits, and the private waste management sector, centred on specific draft actions related to the circular economy, waste reduction, and reuse.

Overall, the focus group demonstrated a deep engagement with the plan's objectives and a clear desire for ambitious, well-defined, and actionable strategies that can meaningfully advance the region's waste management goals.

Four primary themes emerged:

1. **Overwhelming Support for Circularity and Reuse:** Participants unanimously endorsed the plan's strategic direction towards a circular economy and enhanced reuse systems. Actions promoting collaboration, new business models, and consistent reuse regulations received high-priority ratings, with stakeholders viewing them as essential next steps for the region.

2. **Demand for Stronger, Harmonized Regulation:** A consistent call was made for Metro Vancouver to move beyond collaborative or educational initiatives toward clear, enforceable, and harmonized regulations. Stakeholders emphasized that a "level playing field" for businesses, supported by consistent policy, is critical for accelerating the adoption of circular practices and ensuring compliance.

3. **Critical Concerns Regarding Implementation ("The How"):** While strategic goals were widely supported, participants expressed significant skepticism about the practical implementation of certain actions. The proposal to develop methods to estimate and report business waste reduction (ID102), for instance, was met with questions about feasibility, methodology, scope, and the resources required, highlighting a need for more detailed planning before such actions can be fully endorsed.

4. **Emphasis on Targeted and Nuanced Collaboration:** The value of collaboration was a recurring point, but participants stressed the need for a more targeted approach. This includes engaging specific entities like the economic development arms of First Nations, understanding the unique challenges of different business sectors, and ensuring educational resources are designed to support concrete policies rather than stand alone.

Introduction

On behalf of Metro Vancouver, a focus group was convened to analyze and discuss potential draft strategies and actions for the updated Solid Waste Management Plan.

The session is part of the "options analysis" phase, building on earlier engagement around the plan's vision: "a thriving region where nothing is wasted and resources are valued."

Participants included representatives from a range of organizations, providing diverse perspectives from municipal government, regional districts, First Nations initiatives, non-profit recycling operations, and private sector waste management and technology firms.

The discussion was structured around three pre-selected strategic areas, with participants evaluating specific action items based on the ease of participation, necessary support from Metro Vancouver, and overall priority level.

Overarching Themes and Critical Feedback

1. Strong Support for Circular Economy and Reuse Initiatives
There was universal agreement on the importance of fostering a circular economy. Actions aimed at collaboration with external groups (ID017), educating businesses on circular models (ID026), and establishing consistent reuse regulations (ID034 & ID06) were met with enthusiasm.

2. Call for Clear, Consistent, and Enforceable Regulation
A dominant theme was the need for regulatory frameworks to drive change. Participants argued that collaboration and education alone are insufficient.

3. Critical Questions on Implementation and Feasibility (The "How")
While the strategic intent of many actions was praised, their practical feasibility was frequently questioned. This was most evident in the discussion of Action ID102, which proposed developing methods to measure and report business waste reduction.

4. The Importance of Targeted and Nuanced Collaboration
Collaboration was seen as a key pillar of the plan, but participants provided specific guidance on how to make it effective.

Detailed Analysis of Draft Strategies and Actions

The facilitator selected three strategic areas for in-depth discussion, focusing on a total of six specific action items.

Strategy & Action Item	Participant Feedback & Priority Rating	Key Barriers & Recommendations
Strategy 1.3: Build on and foster an inclusive and collaborative circular economy		

		Barriers: Difficulty stimulating circular economy due to limitations in the *Local Government Act* regarding funding support. A big disconnect exists between written plans and implementation in Metro Vancouver First Nations communities that outsource waste management to haulers. Private recyclers struggle with achieving a profitable transaction; lack of necessary profit hinders participation. Initiatives often sit on the periphery and must be normalized across all sectors. Lack of public awareness regarding the recycling operations of external groups Recommendations: Metro Van needs to invest resources in education within First Nations communities. Needs a province-wide approach and collaboration across regional districts. Local governments need to explore creative approaches (funding, land, space, or convening roles) to provide support without directly funding the private sector. Metro Van should provide guidance for consistent literature and promotion/education across all municipalities. Must help private organizations find ways to manage profitable transactions. Need openness to emerging technologies despite challenges with performance guarantees.
ID017: Collaborate with external groups to identify and implement new circular economy initiatives in the community	Priority: High. Identified as positive and celebrated by external groups (e.g., First Nations Recycling Initiative). Easy for municipal staff to participate, especially when modeling existing best practices like repair cafes and libraries of things. Easy at face value for private recyclers. Great action, but difficult to execute.	
ID026: Collaborate with regional economic development agencies and others to educate business on the benefit of circular	Priority: Split between Low, Medium, and High. Generally considered an important and necessary task.	Barriers: Concern that industry may not be willing to participate due to focus on dollars/capitalism, even when benefits exist. Logistics are difficult in dense urban areas where space is limited for multiple bins. The linear economy is often the cheapest option, creating a price hurdle. There is overlap between this action and

business models. Invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources		other action items. Education alone is insufficient and must support stronger policy or programs. Recommendations: Metro Van needs to approach the economic development arm of First Nations communities, rather than public works, to engage on business models. Implementing a regulatory framework that levels the playing field for all businesses can help clear the cost hurdle. Finding and disseminating industry best practices is crucial.
Strategy 2.1: Collaborate with business and institutions to reduce waste at the source		
ID102: Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses how they are doing	Priority Rating (Collective): Split between Low, Medium, and High. High Support (if feasible): If successful, this action item could make a huge difference and "move the dial". Gathering statistics and data is invaluable for creating a pathway and measuring progress. Useful for motivating people to do the right thing and comparing performance against peers.	Barriers: Significant challenge in determining *how* to measure the impact of everyday actions and implement the reporting mechanism. Some private organizations may be hesitant to share data due to concerns about trust and privacy regarding sales/pipelines. Risk of information being used for "recycle shaming". Harder to implement the same kind of impact in First Nations communities. Recommendations: The methodology must be explained before participation can be assured. Need to establish standardized methods for estimation to ensure a level playing field. Findings should be reported quarterly to inform businesses about seasonal waste reduction and make the data meaningful. Focus on specific streams or sectors as an achievable starting point. Metro Van should host a specific roundtable for First Nations

		business leaders to secure unified buy-in.
ID002: Continue working collaboratively with national plastics waste reduction organizations, businesses, nonprofits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination	Priority Rating (Collective): Split between Low, Medium, and High. High Support when focusing on high-value and hard-to-recycle commodities benefits their material recovery facilities (MERFs). Supports helping packaging designers reduce quantity and bias toward highly recyclable materials.	Barriers: Participation is challenging for organizations focused on thrift where materials are already unpackaged. Industry participation is often "touchier" than non-profits. The hard part of waste reduction comes from the design side of packaging. Recommendations: Need to look beyond packaging waste and include construction plastic waste. Consider introducing stronger regulatory language (e.g., "regulate") instead of just "collaborate". Focus should include reducing virgin plastics flowing into the system. The initiative should highlight reuse initiatives, such as the deconstruction and reuse of building materials.
Strategy 3.1: Support consistent approaches to reuse		
ID034: Advocate for the adoption of consistent reuse regulations once they're proven successful at the community level	Priority: High. This action is the exact nature of the work done by the Salvation Army (reduce, recycle, reuse, salvaging). High support, especially as consistency ensures easier compliance for the public. Advocacy is important, as government mandates demand for products. Priority Rating (Collective):Split between Low, Medium, and High.	Barriers: Ambiguity regarding *who* Metro Van is advocating to (e.g., federal or provincial regulators). The clause "once they're proven successful at the community level" may be unnecessary since proof of concept already exists. Recommendations: Define the specific advocacy target (e.g., who regulates the right-to-repair legislation). Although supporting the action, some suggested editing to remove the *once they're proven successful* clause, though others argued proof is necessary for political support. Need to manage risk and consider how adopting reuse affects hauling logistics and business models.

ID06: Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements	Priority: High. This is the natural next step and the best way to reduce single-use items. The harmonized approach is supportable, though one participant noted the need for finding a balance. Priority Rating: High.	Barriers: Regulations or bylaws are ineffective if there is no enforcement to change behavior (e.g., fines, tickets, or incentives are needed). Finding the balance between eliminating single-use items and recognizing scenarios where single-use items may still be necessary (e.g., forgetting a reusable bag). Recommendations: Must create community infrastructure (e.g., central washing stations) to support broader reuse. The term "regionally harmonized approach" must be clearly defined and compatible with all districts, including those outside of Metro Van.

Conclusion

The focus group participants demonstrated a high level of engagement with Metro Vancouver's Solid Waste Management Plan update. Across all key areas, implementation challenges were identified, revolving primarily around the need for greater regulatory clarity and policy strength to create a level playing field for all businesses and overcome the cost hurdles. Specific feedback included the necessity of investing resources in education and engaging the economic development arm to ensure equitable participation from First Nations communities; the demand for Metro Van to provide standardized methods to estimate waste reduction impacts, ensure data integrity, and report findings frequently (e.g., quarterly) to make data meaningful; and the crucial need for robust enforcement mechanisms, such as fines, to ensure compliance with reuse regulations and drive lasting behaviour change.

Metro Vancouver Solid Waste Management Plan Priority Insights GROUP 2

Here's a comprehensive summary of all high and low-priority actions from the feedback that was sent following the focus group.

HIGH PRIORITY ACTIONS (Top 3s & Strongly Supported)

Most Frequently Mentioned (2+ votes):

- **ID044** - Advocate for federal/provincial funding to scale recycling infrastructure and innovation for challenging materials (3 mentions)
- **ID075** - Advocate for federal/provincial funding for businesses to scale up food reuse, food recovery, gleaning, and remanufacturing (2 mentions)
- **ID111** - Support recycling markets by purchasing recycled products, including compost (2 mentions)
- **ID131** - Improve access to textile donations and recycling collection services (1 mention)

Business & Economic Development:

- **ID026** - Collaborate with economic development agencies to educate businesses on circular business models
- **ID027** - Investigate how to maximize low-barrier employment opportunities in circular economy roles (1 mention)
- **ID106** - Create incentives for waste/recycling collectors to work with customers (1 mention)

Infrastructure & Building Materials:

- **ID039** - Encourage development of in-region facility for triaging building materials (1 mention)
- **ID043** - (related to increasing use of used building materials)
- **ID062** - (related to increasing use of used building materials)
- **ID122** - (related to expanding organics recovery, processing and beneficial use)
- **All of 3.2** - increased use of used building materials

Policy & Regulations:

- **ID001** - Advocate for federal/provincial regulations to prohibit non-essential, non-recyclable products/packaging (1 mention)

- **ID023** - Continue working with textile waste reduction organizations to develop tools for the fashion industry (1 mention - with suggestion to strengthen, like France's EPR)
- **ID034** - Advocate for adoption of consistent reuse regulations (2 mentions - with suggestion to amend to focus on Metro Van municipal implementation)

EPR & Recycling Systems:

- **Section 4.2** - Enhance EPR programs (all actions supported)
- **ID04.1** - (top priority, no details)
- **ID04.2** - (top priority, no details)
- **ID04.5** - (top priority, no details)

Missing/Should Add:

- **Rechargeable battery recovery** - explicitly noted as missing and should be added as a priority

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LOW PRIORITY ACTIONS (Bottom 3s & Not Recommended)

Most Frequently Mentioned (3+ votes):

- **ID088** - Develop circular certification programs for business (3 mentions - already exist)

Most Frequently Mentioned (2 votes):

- **ID080** - Develop methods to estimate waste reduction impacts of everyday actions and communicate to residents (2 mentions)
- **ID095** - Explore new technology that could help with data collection (2 mentions)

Waste-to-Energy / Recovery (Section 5.0):

- **ID168** - (recover section, not specified)
- **ID169** - (recover section, not specified)
- **ID172** - (recover section, not specified)
- **Section 5.1** - Recover materials and energy from non-recyclable materials (waste-to-energy concerns)
- **Note:** Strong opposition to waste-to-energy solutions due to concerns about:
    - Diverting focus from upstream circular solutions
    - Creating a feedstock dependency that locks in burning infrastructure
    - Risk of burning recyclable/salvageable materials

Resident/Consumer Focused:

- **ID025** - Encourage brands to take back garments for reuse and repair (1 mention)
- **ID036** - Encourage residents to incorporate used building materials into renovations (1 mention)
- **ID089** - Develop and implement annual recognition program for businesses (1 mention)

Data & Diversity:

- **ID096** - Look at ways to include diversity, equity and inclusion data in solid waste data (1 mention)

Disposal Ban & Textiles:

- **ID105** - Review and expand Metro Vancouver disposal ban program to include textiles (1 mention - concern about shipping textiles overseas)

Composting:

- **ID128** - Compostable plastics (suggestion to eliminate - should be banned)

Other Low Priority:

- **ID01.1** - (bottom priority, no details)
- **ID01.2** - (bottom priority, no details)
- **ID03.4** - (bottom priority, no details)
- **Section 4.8** - Prevent litter and illegal dumping (suggested lower priority)

KEY INSIGHTS & THEMES

Strong Support For:

- Federal/provincial funding advocacy for infrastructure and food systems (ID044, ID075)
- Building materials reuse and triaging infrastructure (Section 3.2, ID039, ID043, ID062)
- EPR enhancements (Section 4.2)
- Purchasing recycled products to support markets (ID111)
- Circular business model education and low-barrier employment (ID026, ID027)
- Textile industry regulation (ID023) - with call to strengthen like France's approach

Strong Opposition To:

- Waste-to-energy/recovery solutions (entire Section 5.0)
- Duplicate certification programs (ID088)
- Compostable plastics (ID128)
- Data collection technology exploration without a clear purpose (ID095)
- Residential behaviour tracking systems (ID080)

Recommendations for Improvement:

- Add rechargeable battery recovery as an explicit priority
- Move Strategy 2.4 to Section 4.0 Recycle (better alignment)
- Consolidate overlapping actions
- Emphasize actions that "truly move the dial" vs. fluffy "encourage" actions
- Strengthen ID023 with France-style EPR and fast fashion penalties
- Amend ID034 to focus on Metro Van municipal implementation of reuse regulations
- Address concerns about ID105 resulting in overseas textile shipping

Engagement Activity Summary

Activity:	
Activity Date	Sept 11 - Island, Rural & Remote Communities Sept 16 - LFG Field & Flare Operators Sept 17 - Landfill Operators Working Group Sept 18 - Plastic Waste Reduction Working Group
Organization/group name	Coast Waste Management Association
Time/Duration	15 minutes following each meeting
Location	Virtual / Webinar
Format	Interview / General Discussion
# of Participants	9
Strategies and Actions Discussed	1.0 RETHINK 1.1. Advocate for circular economy policies 1.2. Support the transition to a more circular regional economy through waste prevention 1.3. Build on and foster an inclusive and collaborative circular economy 1.4. Collect and enhance data to track progress toward a circular economy 2.0 REDUCE 2.1. Collaborate with businesses and institutions to reduce waste at the source 2.2. Support residents adopting waste prevention habits 2.3. Prioritize food waste reduction initiatives 2.4. Enhance approaches to Metro Vancouver's disposal ban 3.0 REUSE 3.1. Support consistent approaches to reuse 3.2. Increase reuse of used building materials 3.3. Foster the broad adoption of reuse, refill, and repair 3.4. Work with event organizers, businesses and institutions to increase reuse 3.5. Increase access to reuse, refill and repair

	3.6. Scale efforts to recover food 3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices 4.0 RECYCLE 4.1. Promote design for recyclability and the use of recycled content in products and packaging 4.2. Enhance EPR programs 4.3. Encourage the development of new recycling infrastructure 4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses 4.5. Make recycling easier and more effective by reducing confusion and improving convenience 4.6. Target recycling education 4.7. Increase transparency of what happens to materials from recycling and green bin programs 4.8. Prevent litter and illegal dumping through public space recycling initiatives 5.0 RECOVER 5.1. Recover materials and energy from non-recyclable materials

Appendix A: Working Group Meeting Feedback Individuals

Metro Vancouver Solid Waste Management Working Group Meeting Feedback

This summary includes feedback from 9 individuals following our regular working groups:

Sept 11 - Island, Rural & Remote Communities

Sept 16 - LFG Field & Flare Operators

Sept 17 - Landfill Operators Working Group

Sept 18 - Plastic Waste Reduction Working Group

A single discussion question was asked: ***In review of the Metro Van Options Analysis strategies, what are the positives and the critical feedback or gaps that need filling?***

This distills the most significant points of consensus and concern that emerged from the 9 people who gave feedback for refining the Solid Waste Management Plan.

Only handwritten notes were taken for each of these discussions.

POSITIVE STRENGTHS

Comprehensive Circular Economy Framework The plan follows a strong hierarchy (Rethink → Reduce → Reuse → Recycle → Recover) that aligns with best practices and prioritizes waste prevention over end-of-pipe solutions. This is exactly the right approach.

Strong Upstream Focus Strategies 1.0-3.0 emphasize prevention, reduction, and reuse—the most impactful interventions. This shows strategic thinking beyond just managing waste streams.

Multi-Stakeholder Approach The plan recognizes the need to engage businesses, residents, institutions, and event organizers across multiple strategies, which is essential for systemic change.

Infrastructure + Behaviour Change Good balance between physical infrastructure (recycling facilities, green bins) and education/behaviour change initiatives.

CRITICAL FEEDBACK & GAPS

1. Missing Enforcement & Accountability Mechanisms

- Where are the compliance measures, penalties, or regulatory teeth?
- How will you ensure businesses/residents participate?

- Strategy 4.8 mentions preventing illegal dumping, but what about enforcement for non-compliance with recycling requirements?

2. Vague Action

Many strategies are high-level aspirations without clear, measurable actions:

- "Foster an inclusive and collaborative circular economy" (1.3) - How exactly?
- "Enhance approaches to Metro Vancouver's disposal ban" (2.4) - What enhancements?
- "Encourage and celebrate" (3.7) - Nice, but what are the tangible mechanisms?

3. Limited Metrics & Targets

- How will success be measured for each strategy?
- What does "enhance" or "improve" mean in quantifiable terms?

4. Funding & Resources

- No mention of budget, funding sources, or resource allocation
- Who pays for infrastructure development (4.3)?
- How are education programs funded (4.6)?

5. Commercial Sector Underrepresented

- Commercial waste is a huge portion of the waste stream
- Limited specific strategies for the commercial/institutional sector

6. Food Waste Recovery Prioritization Unclear

- Strategy 3.6 "scale efforts to recover food" and 2.3 "prioritize food waste reduction initiatives" seem to overlap
- Is the focus on preventing food waste (higher priority) or recovering surplus food? Both are important, but require different approaches

7. Limited Innovation/Emerging Technologies

- No mention of AI/digital tools for sorting/education
- No mention of chemical recycling or advanced materials recovery

9. Regional Collaboration

- Strategy 1.2 mentions supporting "the transition to a more circular regional economy" but limited detail on how jurisdictions will work together or standardize approaches across the region

Engagement Activity Summary

Activity:	
Activity Date	October
Organization/group name	Coast Waste Management Association
Time/Duration	Oct 20, 2025 – October 29, 2025
Location	Questionnaire
Format	Focus Group Roundtable
# of Participants	18
Strategies and Actions Discussed	This followed the same detail and questions as provided in the Metro Vancouver Collaboration Template plus it included additional questions related to the respondent organizations.

Appendix A: Questionnaire Appendix Metro Vancouver Solid Waste Management Plan Questionnaire Insights

Appendix B: Questionnaire Appendix Questionnaire Results / Google Forms Simple Output

Appendix C: Questionnaire Appendix Questionnaire Results / Data and Charts

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

CWMA MV Questionnaire Insights

SURVEY OVERVIEW

Total Responses: 18 participants **Survey Focus:** Waste reduction behaviours, recycling habits, and interest in circular economy programs

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KEY FINDINGS

Demographics

Geographic Distribution:

- **Outside Metro Vancouver:** 13 respondents (72%)
- **Metro Vancouver (various cities):** 5 respondents (28%)
    - Vancouver, Coquitlam, North Vancouver, Langley

Housing Types:

- **Detached house/duplex/triplex:** 14 (78%)
- **Apartment/condo:** 3 (17%)
- **Townhouse/multi-unit:** 1 (5%)

Age Distribution:

- 25-34: 4 respondents
- 35-44: 7 respondents (highest)
- 45-54: 4 respondents
- 55-64: 3 respondents

Language: All respondents speak English at home

PURCHASING BEHAVIOUR

Top 3 Decision-Making Factors:

1. **Cost/Budget:** 14 mentions (78%)
2. **Quality/Durability:** 11 mentions (61%)

3. **Environmental/Ethical Impact:** 9 mentions (50%)
4. **Daily Use/Practicality:** 7 mentions (39%)
5. **Convenience:** 7 mentions (39%)

Other Notable Considerations:

- Sustainability and where it was made
- Joy it brings, locally made, materials
- Second-hand vs. new options
- Delivery/access logistics

LEARNING INTERESTS (Very Likely)

Highest Interest:

- **Choosing better quality items:** 12 "Very likely" (67%)
- **Using reusable items:** 11 "Very likely" (61%)
- **Buying fewer things/mindful buying:** 10 "Very likely" (56%)
- **Gifting experiences instead of items:** 10 "Very likely" (56%)

Moderate Interest:

- **Going to repair events:** 8 "Very likely" (44%)
- **Taking clothing for repair/learning repair:** 8 "Very likely" (44%)

CHALLENGING WASTE TYPES

Most Commonly Cited (in order):

1. **Plastic packaging (food wrappers, plastic wrap):** 16 mentions (89%)
2. **Old clothes or fabric:** 8 mentions (44%)
3. **Electronics (phones, chargers, batteries):** 7 mentions (39%)
4. **Packaging from cosmetics/toiletries:** 7 mentions (39%)
5. **Home renovation debris:** 4 mentions (22%)
6. **Coffee cups and takeaway containers:** 3 mentions (17%)
7. **Food waste:** 2 mentions (11%)

Organizations specifically mentioned challenges with:

- Plastic packaging/overwrap
- Takeout containers

- Electronic waste
- Construction & demolition waste
- PPP (printed paper & packaging) and DLC waste
- ICI (Industrial, Commercial, Institutional) lack of recycling access

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PROGRAM INTEREST

Most Popular Waste Reduction Programs:

1. **Bulk stores or refill stations:** 15 mentions (83%)
2. **Recycling programs for packaging:** 9 mentions (50%)
3. **Community swap events/buy-nothing groups:** 7 mentions (39%)
4. **Cup/dishware sharing programs (reusable takeaway):** 7 mentions (39%)
5. **Clothing repair workshops:** 6 mentions (33%)
6. **Recycling programs for electronics:** 5 mentions (28%)
7. **Bulk buying groups:** 3 mentions (17%)

MOTIVATIONS FOR REUSE

Top Motivations (respondents could select 2):

1. **Environmental impact reduction:** 15 mentions (83%)
2. **Save money:** 12 mentions (67%)
3. **Reduce clutter:** 5 mentions (28%)
4. **Sentimental value:** 5 mentions (28%)
5. **Enjoy fixing/repurposing:** 4 mentions (22%)
6. **Inspired by local success stories:** 1 mention

Additional motivations mentioned:

- Don't like wasting perfectly good items
- Love for the item
- Sense of satisfaction from extending product life

SHARING LIBRARY INTEREST

Most Desired Items to Borrow:

1. **Tools:** 13 mentions (72%)

2. **Games and puzzles:** 9 mentions (50%)
3. **Books and multimedia:** 7 mentions (39%)
4. **Small kitchen appliances:** 5 mentions (28%)
5. **Sewing machines:** 5 mentions (28%)
6. **Electronics (tablets/laptops):** 3 mentions (17%)
7. **Electric bikes or scooters:** 3 mentions (17%)
8. **Gear for camping/outdoor activities:** 1 mention
9. **Clothes:** 1 mention

One respondent selected "None of the above"

RECYCLING BARRIERS & SOLUTIONS

What Would Make Recycling Easier? (Top 3 selections)

Most Requested:

1. **Clear instructions on what can be recycled and how:** 8 mentions (44%)
2. **More types of materials accepted in residential pick-up:** 10 mentions (56%)
3. **Tips on preparing recyclables (labels, cleaning, etc.):** 6 mentions (33%)
4. **More drop-off locations:** 6 mentions (33%)
5. **More recycling bins in public spaces:** 6 mentions (33%)
6. **Knowing what happens to recycled items:** 6 mentions (33%)

Additional Comments:

- "Education, education, education. Rules change constantly about what is accepted; it's frustrating to try and keep up. And everyone has different rules."
- Need for companies willing to collect materials
- Mandated recyclable packaging requirements
- More bins that keep materials separate by type

Organization-Specific Needs:

- **ICI (Industrial/Commercial/Institutional) recycling access:** Multiple mentions of lack of commercial recycling options, especially for PPP (printed paper & packaging)
- "Without ICI PPP recycling, our organization has no ability to legally recycle unless we bring material home"
- "Having ICI recycling be the same as it is for residential"
- Education about what's recyclable and where
- Expanded regulations on mandatory recycling for healthcare facilities

REPAIR & REUSE BARRIERS

For Individuals:

- If they knew how to repair certain things
- Repair cafes would help
- Need experts to help with repairs

For Organizations:

- Convenient pick-up and drop-off with backup during repair
- "At work it's all about saving time and money, you need to justify the cost/savings ratio"
- Organizational policies
- Having the money to run repair programs
- Large appliance reuse programs
- Visibly implementing repair/reuse in workplace (office furniture, equipment) would influence home behaviour

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PREFERRED COMMUNICATION CHANNELS

Most Popular (select all that apply):

1. **Social media:** 11 mentions (61%)
2. **Email updates/newsletters:** 8 mentions (44%)
3. **Posters/signs in public spaces:** 9 mentions (50%)
4. **Short online learning sessions/videos:** 6 mentions (33%)
5. **In-person information sessions:** 6 mentions (33%)
6. **Mail/brochures:** 3 mentions (17%)
7. **Radio/streaming ads:** 1 mention

MULTI-FAMILY HOUSING INSIGHTS

Only 3 respondents live in apartments/condos

Food Waste Recycling in Buildings - Suggestions:

- "Waste audits - many people still do not sort"
- "More containers"

- "At this stage our compost container is sufficient"

General Multi-Family Feedback:

- Need clean areas for organics collection (no vectors, no slippery/sticky surfaces)

KEY THEMES & INSIGHTS

Strong Environmental Consciousness

- 83% motivated by environmental impact
- High interest in reusable items, quality products, mindful buying
- Preference for second-hand items

Plastic Packaging is the #1 Challenge

- Nearly 90% struggle with plastic packaging
- Strong interest in bulk/refill stations (83%)
- Desire for reduced packaging at source

Confusion About Recycling Rules

- Repeated requests for clear instructions
- Frustration with constantly changing rules
- Different rules across jurisdictions
- Need to know what happens to recycled materials

Commercial/Organizational Barriers

- Lack of ICI recycling infrastructure
- Commercial recycling not equal to residential
- Cost/time justification needed for organizations
- Policy barriers

Tools & Equipment Sharing Has Strong Appeal

- 72% interested in borrowing tools
- Cost savings is major driver
- Interest spans across age groups

Repair Interest Exists But Needs Support

- Interest in learning repair

- Need for repair cafes and expert help
- Workplace modeling could influence home behaviour

RECOMMENDATIONS BASED ON DATA

1. **Address plastic packaging through:**
    - Expand bulk/refill station programs (high demand)
    - Advocate for source reduction/packaging regulations
2. **Improve recycling clarity:**
    - Standardize rules across jurisdictions
    - Create simple, consistent educational materials
    - Show transparency (where materials go)
3. **Bridge ICI recycling gap:**
    - Expand commercial recycling access
    - Align ICI with residential standards
4. **Leverage high interest in tool sharing:**
    - Pilot tool library programs
    - Focus on most-requested items
5. **Build repair culture:**
    - Support repair cafes
    - Provide accessible repair education
    - Model repair in workplace settings
6. **Use multi-channel communication:**
    - Prioritize social media and email
    - Maintain public signage
    - Offer short online content

Organizational Questions Analysis – CWMA Additional Questions

ORGANIZATIONAL WASTE CHALLENGES

Top Types of Waste Organizations Find Challenging to Avoid:

Most Frequently Mentioned:

1. **Plastic packaging and overwrap** (2 mentions)
2. **Packaging** (general) (2 mentions)

Single Mentions:

- Plastic packaging and overwrap, cleaning products (hazardous)
- Takeout containers
- Electronic waste, construction and demolition waste
- PPP (Printed Paper & Packaging) and DLC waste
- Paper towel & Recycle BC materials (Styrofoam, flexible plastics) - specifically noted as an ICI location
- Small propane bottles
- Electronics
- No challenges

Key Theme: Plastic packaging dominates organizational waste challenges, just as it does for individuals.

WHAT COULD HELP ORGANIZATIONS CONSIDER REPAIR/REUSE MORE OFTEN?

Barriers Identified:

1. **Convenience & Logistics:**
    - "Convenient pick and drop off and a way to have a backup while the repair was being done"
2. **Financial Justification:**
    - "At work it is all about saving time and money; you need to justify the cost/savings ratio"
3. **Policy:**
    - "Organizational policy(ies)"
4. **Funding:**
    - "Having the money to run them" (repair programs)
5. **Infrastructure:**

- "Large appliance reuse programs"

6. **Cultural/Behavioural:**
   - "Visibly implementing repair and reuse at my workplace (i.e. of office furniture and equipment) would likely influence me and others to do more of it at home"

Key Insight: Organizations need clear ROI, convenient systems, supportive policies, and visible modelling to adopt repair/reuse practices.

WHAT WOULD MAKE IT EASIER TO RECYCLE MORE AT ORGANIZATIONS?

Responses:

1. **Service Provider Willingness:**
   - "Companies willing to collect materials"
   - "More convenient services"
2. **ICI Recycling Access (CRITICAL ISSUE - Multiple Mentions):**
   - "Being technically able to recycle. Without ICI PPP recycling, our organization has no ability to be able to legally recycle unless we bring our material home and place it with our household recyclables....which we do as we're small enough that this is not too much of a burden. No private recycling option where we are located that accepts PPP."
   - "Having ICI recycling be the same as it is for residential."
3. **Education:**
   - "Education about what is recyclable and where."
   - "Perhaps more bins that keep things separate by material type."
4. **Regulatory:**
   - "Expanded regulations on the mandatory recycling of uncontaminated materials generated by healthcare facilities."

KEY ORGANIZATIONAL INSIGHTS

1. ICI Recycling Gap is a Major Barrier

- **Industrial, Commercial, Institutional (ICI)** facilities face significant recycling barriers
- Small organizations resort to bringing materials home to recycle with residential programs
- PPP (Printed Paper & Packaging) not accepted in commercial settings
- **Critical quote:** Organizations literally cannot legally recycle certain materials at work

- Need for ICI recycling to match residential options

2. Organizations Lack Clear Guidance

From the priority action feedback document (referenced earlier), one participant emphasized:

- "Many businesses lack clear guidance on where to recycle materials such as cardboard, Styrofoam, and plastics"
- "Common misconception is that Recycle BC accepts commercial packaging, when in fact it does not"
- This contributes to confusion and frustration
- Businesses must independently fund recycling for these materials

3. Cost/Time Justification Required

- Organizations need to prove ROI for any waste reduction/repair initiative
- Unlike households, emotional/environmental motivations alone won't drive organizational change
- Need financial case studies and efficiency data

4. Service Provider Gap

- Organizations need companies willing to collect materials
- Convenient services are essential (can't burden staff with drop-offs)
- Current private sector options inadequate or non-existent

5. Policy & Regulatory Levers

- Organizational policies can enable or block repair/reuse
- Expanded regulations needed (especially for healthcare, other sectors)
- Mandatory recycling requirements could drive change

6. Healthcare Sector Specific

- One respondent specifically mentioned need for "expanded regulations on the mandatory recycling of uncontaminated materials generated by healthcare facilities"
- Suggests untapped opportunity in medical waste management

ORGANIZATIONAL WASTE PROFILE

Types of Organizations Represented (inferred from responses):

- Small businesses/offices
- ICI facilities
- Healthcare facilities
- Organizations dealing with food service
- Construction-related operations
- General commercial offices

Size: At least one mentions being "small enough" to bring recyclables home, suggesting micro/small business representation

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RECOMMENDATIONS FOR ORGANIZATIONAL WASTE REDUCTION

Immediate Priorities:

1. **Address ICI Recycling Infrastructure Gap**
    - Extend Recycle BC or equivalent to commercial packaging
    - Create affordable private sector collection options
    - Standardize ICI recycling with residential programs
2. **Provide Clear Business Guidance**
    - What can/cannot be recycled in commercial settings
    - Where to access services
    - Clear distinction between residential and ICI options
    - Myth-busting (e.g., Recycle BC does NOT accept commercial packaging)
3. **Develop Cost/Benefit Tools**
    - ROI calculators for waste reduction programs
    - Time savings documentation
    - Case studies showing financial benefits
4. **Expand Service Provider Network**
    - Incentivize companies to collect materials from businesses
    - Make services convenient (on-site pickup)
    - Ensure affordable options for small businesses
5. **Policy & Regulatory Action**
    - Mandate organizational recycling programs
    - Healthcare facility regulations
    - EPR expansion to commercial packaging
6. **Model Repair/Reuse in Workplaces**
    - Demonstrate with office furniture/equipment
    - Create visible examples that influence home behaviour
    - Share success stories

BOTTOM LINE FOR ORGANIZATIONS

The data reveal a need for improvement in ICI waste infrastructure:

- Organizations want to recycle, but literally cannot access services
- Confusion about what's available commercially vs. residentially
- Financial barriers and a lack of convenient options
- Policy gaps preventing progress
- Small businesses are particularly underserved

This represents a significant opportunity for Metro Vancouver to:

- Expand infrastructure
- Clarify guidance
- Advocate for EPR expansion to the commercial sector
- Create supportive policies

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary:

Activity:	
Activity Date	• Thurs, Oct 16
Organization/group name	• Food Stash Foundation
Time/Duration	• 3 pm-4:30 pm; 5:15pm-6:45pm
Location	• 290 E 1st Avenue, Vancouver, BC
Format	• In-person facilitated survey
# of Participants	• 15-20
Strategies and Actions Discussed	• Participants completed the Metro Van survey, with the opportunity to share their thoughts on what would make waste reduction more accessible/easier in their neighbourhoods

Appendix

Please see the links in the body of the email for appendices:

- **Raw data/notes from engagement activities** (i.e. survey data)
- **Engagement survey data**, in editable form (spreadsheet)

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Engagement Activity Summary:

Activity:	
Activity Date	• Thurs, Oct 23 - Wed, Oct 29
Organization/group name	• Food Stash Foundation
Time/Duration	• 3 pm-4:30 pm; 5:15pm-6:45pm
Location	• 290 E 1st Avenue, Vancouver, BC
Format	• In-person facilitated survey (virtual option given to complete at home instead)
# of Participants	• 50
Strategies and Actions Discussed	• Participants completed the Metro Van survey, with the opportunity to share their thoughts on what would make waste reduction more accessible/easier in their neighbourhoods. Option was offered to complete survey in-person or at-home later, using QR code shared in-person.

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Engagement Activity Summary:

Activity:	
Activity Date	• Oct 17-27
Organization/group name	• Food Stash Foundation
Time/Duration	• Virtual
Location	• Virtual
Format	• Virtual Google Form survey, completed anonymously
# of Participants	• 50
Strategies and Actions Discussed	• Participants completed the Metro Van survey virtually from home, with the opportunity to share their thoughts on what would make waste reduction more accessible/easier in their neighbourhoods.

Appendix

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Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary:

Activity:	
Activity Date	• Oct 24-29
Organization/group name	• Food Stash Foundation
Time/Duration	• Virtual
Location	• Virtual
Format	• Virtual Google Form survey, completed anonymously
# of Participants	• 20
Strategies and Actions Discussed	• Participants completed the Metro Van survey virtually from home, with the opportunity to share their thoughts on what would make waste reduction more accessible/easier in their neighbourhoods.

Appendix

Please see the links in the body of the email for appendices:

- Raw data/notes from engagement activities (i.e. survey data)
- Engagement survey data, in editable form (spreadsheet)

Post-Engagement Report

Activity:	
Activity Date	October 29th 2025
Organization/group name	Enviro Club
Time/Duration	11:40am-12:15pm
Location	Templeton Secondary School
Format	Focus group/workshop
# of Participants	21
Strategies and Actions Discussed	Strategy 3.5 Actions: 058, 059, 086, 166, 061

Personal Reflections and "What I heard":

- Large and very engaged group. Lots of great ideas and passion about improving our regional waste management. Would have been great to be able to chat with them a little longer.
- Groups like this could be a great resource because they have connections within the school and they are already stewarding these kinds of initiatives. From what I heard from them, it sounds like they need background support from Metro Vancouver. For example, they have a program to collect soft plastics from students, but it would be helpful if the students had support in driving the collection of soft plastics to the depot. This could be a role for Metro Vancouver.
- In general, youth viewed these actions as quite easy. Metro Vancouver could support the youth by offering repair/reuse/education events where they youth are located (school for example), providing transportation to and from events and recycling facilities, and making sure to do a lot of advertising so that as many people as possible can know about the events and opportunities/actions.

Enviro Club	**Questions asked by participants:**	**Feedback heard:**
Strategy Number: 3.5 **Action** ID058		
What should Metro Van consider to support your participation?		• Dad in Buy Nothing group, post it to facebook and someone picks it up, seems easy • Buy nothing connects community • Shared fridge more difficult or uncomfortable, stewarding fridge could be hard. Who takes care of it? Food waste • Metro van could create a low barrier job for someone to steward the fridge • Buy nothing transportation, how could I do that? Metro Van to coordinate pick ups • Medium issue, buy nothing means people giving up their items but with this economy people are more likely to want to sell it • This requires a culture shift for folks to understand the mutual and collective benefit, rather than just trying to make a buck • Make buy nothing groups neighbourhood based, Implement more of them in smaller areas. Thinking about 15 minute cities, set up this kind of infrastructure
How much of a priority is this to you?		12 high priority 6 medium priority
Is there anything else you'd like to add to the conversation on this action?		

Enviro Club	**Questions asked by participants:**	**Feedback heard:**
Strategy Number: 3.5 **Action** ID059		
What should Metro Van consider to support your participation?		• This is easy because we are already at school, accessible • At school we have run some recycling initaitves. Implementing them has been easy, sustaining them is difficult. • Perhaps Metro Van could fill the gaps regarding sustaining the initiatives. Metro Van can come and pick up the recycling after we have collected it to deliver it to the depot • Metro Van can provide background support • Metro Van can provide a knowledge and education campaign, explain importance • Consistency is important. Don't just do one offs, do this year round for schools
How much of a priority is this to you?		9 medium priority 4 high priority
Is there anything else you'd like to add to the conversation on this action?		
Enviro Club	**Questions asked by participants:**	**Feedback heard:**
Strategy Number: 3.5 **Action** ID161		Most students reflected this would be easy
What should Metro Van consider to support your participation?		RAN OUT OF TIME TO DISCUSS THIS ACTION FULLY

How much of a priority is this to you?		11 medium priority 1 high priority
Is there anything else you'd like to add to the conversation on this action?		
Enviro Club	**Questions asked by participants:**	**Feedback heard**:
Strategy Number: 3.5 **Action** ID086		Most students reflected this would be easy because its happening in your home so its very accessible
What should Metro Van consider to support your participation?		• Difficult because it needs a facilitator. Perhaps this could be another low barrier job creation? Metro Van to provide facilitator. • Book libraries are used all the time and people take care of it themselves, they build community • Easy because most families have a surplus of these things • Eg. Co-op rec room, converted into a "free store" • Metro Van could step into the gap by collecting items that get left behind and no one wants
How much of a priority is this to you?		14 high priority
Is there anything else you'd like to add to the conversation on this action?		

Enviro Club	**Questions asked by participants:**	**Feedback heard**:
Strategy Number: 3.5 **Action** ID166	How can we hear about these events?	Most students reflected this would be easy but also none of the students had attended one before
What should Metro Van consider to support your participation?		• Host them at schools • Often and consistent • Launch a good campaign to raise awareness • More ads • Online and billboards, rent billboards • Buses and bus stops • Stop lights where bikes are waiting • Offer rides from central locations • Host them outside of school and work hours
How much of a priority is this to you?		10 high priority 4 medium priority
Is there anything else you'd like to add to the conversation on this action?		

Post-Engagement Report

Activity:	
Activity Date	October 21st 2025
Organization/group name	Earthworks Environmental Club
Time/Duration	11:15am-12:00pm
Location	Semiahmoo Secondary School
Format	Focus group/workshop
# of Participants	7
Strategies and Actions Discussed	Strategy 3.5 Actions: 058, 059, 086, 166, 061, 060

Personal Reflections and "What I Heard":

- Small group, teacher reflected that there are almost 80 clubs at Semiahmoo this year, so the clubs are smaller than usual
- Because this was a school club engagement session was broken up into 2 sessions. First session was online to introduce the material. Second session was in person for 30 minutes to carry out the engagement on actions. As a reflection I wish I had only done half the number of actions because we did not have enough time to unpack with as much depth as I would have liked.
- Further, I chose different strategies and actions for the 2 different groups at Semiahmoo, to engage on as much actions as possible. As a reflection, I would have stuck to the same strategy for both groups so that I could have used the second group to build off some of the first group's ideas. The idea being that I could have gotten more quality engagement on less actions. Instead, I feel I got less engagement on more actions. I'm not sure is Metro Vancouver would have a preference on this.

Earthworks Sheet 2	Questions asked by participants:	Feedback heard:
Strategy Number:3.5 **Action** ID058 If included, would you participate? If difficult, what would make it easier?	What is a Buy Nothing group?	
What should Metro Van consider to support your participation?		• Make it free • Worried about cost • Make sure fridge is monitored and the food is safe to eat • Make sure who needs access the most gets access • Promote it online • Monitoring ensures people that need it can get it • Put it in a location that people often go • Try to encourage people to reuse, consumption is too pushy
How much of a priority is this to you?		• 4 low priority • 1 medium priority
Is there anything else you'd like to add to the conversation on this action?		• 2 categories of new buyers, 1 wants new objects, 1 wants convenience, need to make it extremely convenient to buy used
Earthworks Sheet 2	**Questions asked by participants:**	**Feedback heard:**
Strategy Number:3.5		

Action ID059 If included, would you participate? If difficult, what would make it easier?		
What should Metro Van consider to support your participation?		• Need to provide education around REUSE and why its important, show examples of how to reuse materials • In school teachers can think of projects using reuse items
How much of a priority is this to you?		• 4 high priority • 2 medium priority
Is there anything else you'd like to add to the conversation on this action?		• Reusing helps foster creativity • For clothing drive we had low participation, how can we increase it? • Spread awareness/education and make announcements
Earthworks Sheet 6	**Questions asked by participants:**	**Feedback heard**:
Strategy Number:3.5 **Action** ID060 If included, would you participate? If difficult, what would make it easier?		
What should Metro Van consider to support your participation?		• Not as relevant to youth

		• Could have indirect impact but not sure exactly how
How much of a priority is this to you?		• 4 low priority • 1 medium priority
Is there anything else you'd like to add to the conversation on this action?		•
Earthworks Sheet 5	**Questions asked by participants:**	**Feedback heard:**
Strategy Number:3.5 **Action** ID061 If included, would you participate? If difficult, what would make it easier?	How would the network connect the reuse/repair initiatives? What is the purpose of having a network?	
What should Metro Van consider to support your participation?		• Want more bike repair initiatives • Sewing/clothing repair important • Network needs to be well promoted so people can be aware of it • Would be good to have opportunities for intergenerational learning at repair initiatives
How much of a priority is this to you?		• 2 high priority
Is there anything else you'd like to add to the		•

conversation on this action?		
Earthworks Sheet 3	**Questions asked by participants:**	**Feedback heard:**
Strategy Number:3.5 **Action** ID096 If included, would you participate? If difficult, what would make it easier?		
What should Metro Van consider to support your participation?		• Need to find a way to encourage people to participate in this • Donation collection to come to the building for pick up often and during non-working hours • Offer service to clean the clothing • Needs to be well managed, consistent and organized • Concern expressed about how much time this action would take
How much of a priority is this to you?		• 2 high priority • 4 medium priority
Is there anything else you'd like to add to the conversation on this action?		•
Earthworks Sheet 4	**Questions asked by participants:**	**Feedback heard:**
Strategy Number:3.5 **Action** ID166		

If included, would you participate? If difficult, what would make it easier?		
What should Metro Van consider to support your participation?		• Have food • Have honorarium • If my friends went, I would go • Can't be far away, can't commute far • Has to be dispersed across the region but also in many locations • Have events at same time and same place, consistency • Support transportation for youth to come • Facilitate pick up so students cant transit without bringing their items for repair (for example: bicycles)
How much of a priority is this to you?		• 4 high priority
Is there anything else you'd like to add to the conversation on this action?		•

Post-Engagement Report

Activity:	
Activity Date	October 21st 2025
Organization/group name	Environmental Science 11/12
Time/Duration	12:00-1:20pm
Location	Semiahmoo Secondary School
Format	Focus group/workshop
# of Participants	23
Strategies and Actions Discussed	Strategy 4.5 + 4.7 Actions: 131, 132, 133, 142, 157, 159

- Action ID133 was rated highest priority, Action ID159 was rated lowest priority
- Youth thought that any actions that required having a cellphone were NOT a barrier because most youth have access to a cellphone
- In general, centralizing recycling facilities and resources was a priority for the youth
- Youth felt strongly about education and awareness campaigns, that more folks would recycle if they understood the impacts
- Youth suggested that these actions could and should be incorporated into the school system
- Youth thought more than just learning about what happens to recycled materials, it would be valuable if they got some hands-on experience of recycling the materials
- Quiet group, teacher suggested grade 8/9s as more talkative and willing to engage

Environmental Sheet 3	Questions asked by participants:	Feedback heard:
Strategy Number: 4.5 **Action** ID133 If included, would you participate? If difficult, what would make it easier?		Majority of class thought this would be easy
What should Metro Van consider to support your participation?		• Trash bins need to have simple graphics on them • Products should have color coding on them so we know where they go • Need to have pictures to know where to put the trash • If we get used to having the pictures, and then some bins don't have pictures, we would feel lost
How much of a priority is this to you?		• 17 high priority • 3 medium priority
Is there anything else you'd like to add to the conversation on this action?		•

Environmental Sheet 1	Questions asked by participants:	Feedback heard:
Strategy Number: 4.5 **Action** ID131 If included, would you participate? If difficult, what would make it easier?	Is there a public available domain that we can look at to check out the status of the actions?	Majority of class thought this would be easy to participate in

What should Metro Van consider to support your participation?		• Put lots of donation boxes that are easy to access and open 24/7 • Come and pick up the textile donation • Combine recycling bin to include other items that now we have to recycle separately • Consistent collection times
How much of a priority is this to you?		• 15 medium priority • 5 high priority
Is there anything else you'd like to add to the conversation on this action?		• In a later action, it was suggested that the public should have an opportunity to engage in the recycling practice. So if folks could see and experience how textiles are recycled and what they can turn into, that would be interesting and perhaps motivating willingness to donate

Environmental Sheet 2	Questions asked by participants:	Feedback heard:
Strategy Number: 4.5 **Action** ID132 If included, would you participate? If difficult, what would make it easier?	Reward sounds very vague. What kind of reward? Souvenir or cash?	Majority of class thought this would be easy to participate in especially if they got a reward

What should Metro Van consider to support your participation?		• Cash reward would be great • Thinking about the bottle depot, can we have a clothes depot? Bring clothes and get money? • Provide students with volunteer hours for their university applications • Give tim hortons gift card as reward • A reward sounds very vague, is it a souvenir or cash?
How much of a priority is this to you?		• 9 medium priority • 2 high priority • 2 low priority
Is there anything else you'd like to add to the conversation on this action?		•

Environmental Sheet 4	Questions asked by participants:	Feedback heard:
Strategy Number: 4.5 **Action** ID142 If included, would you participate? If difficult, what would make it easier?	Questions about whether this action is referencing Artificial Intelligence tools. Would this digital tool be in the form of an app on our phone? Or would it be a digital stationary tool that we could visit... Will this be like the scanners at Walmart that tell you where the item is in the store?	Majority of class thought this would be easy

	If this is AI what will happen with our data?	
What should Metro Van consider to support your participation?		• Concern about if this action requires a cell phone for use • Comment that 99.9% of youth have cellphone or access to device, so not a barrier • Need to keep other options and not just rely on digital tool • Lots of young people are against Artificial Intelligence
How much of a priority is this to you?		• 13 medium priority • 1 low priority
Is there anything else you'd like to add to the conversation on this action?		• We need to have all of the recycling facilities in the same place
Environmental Sheet 5	**Questions asked by participants:**	**Feedback heard**:
Strategy Number: 4.7 **Action** ID157 If included, would you participate? If difficult, what would make it easier?		Some students said that this depends on how close the tours are, some said this would be difficult, some said they wouldn't want to
What should Metro Van consider to support your participation?		• Not much interest about this action • Mandated by school otherwise students wouldn't go • Need something to entice people, they might like it more than they think

		• Have events at the recycling facilities, like art activities or cooking events • Go to learn, have trivia or competitions at the end of the tour to get a prize • Need activities during tour to engage people, e.g allow people to participate in action of material recovery, show how reproduction looks • Give university activity marks
How much of a priority is this to you?		• 8 medium priority • 5 low priority • 1 high priority
Is there anything else you'd like to add to the conversation on this action?		•
Environmental Sheet 6	**Questions asked by participants:**	**Feedback heard:**
Strategy Number: 4.7 **Action** ID159 If included, would you participate? If difficult, what would make it easier?		Most students identified this action as easy, but quite a few said they would not be interested
What should Metro Van consider to support your participation?		• This action should be combined with action 159, seems like the same thing • People don't know about the reuse/recycling resources that are available. Facebook marketplace has

		more impact because it is more popular, metro van should build off the popularity of the systems that already work well
How much of a priority is this to you?		• 18 low priority
Is there anything else you'd like to add to the conversation on this action?		•

Session 1: Post-Engagement Activity Summary

Activity: 廢物事大 **Waste Talk**
Activity Date: October 11, 2025
Organization/group: HK House
Time/Duration: 11:00am - 12:30pm (1.5 hours)
Location: Virtual
Format: workshop/ focus group
# of Participants: 18

Strategies and Actions Discussed

We were only able to cover Strategy 4.5 during our discussions. However, all participants were exposed to Strategies 4.5, 4.6, 4.7, and 4.4, and some shared additional comments on the ones we didn't have time to discuss in our shared document after the session.

- **Strategy 4.5:** Make recycling easier and more effective by reducing confusion and improving convenience
    - Actions include ID131, ID132, ID133, ID134, ID135, ID140, and ID142
- **Strategy 4.6:** Target recycling education
    - Actions include ID144, ID103, ID145, ID146, ID147, ID148, ID150, ID151, and ID152
- **Strategy 4.7:** Increase transparency of what happens to materials from recycling and green bin
    - Actions include ID157 and ID159
- **Strategy 4.4:** Improve participation in green bin programs and alternatives for multi-family residents and businesses
    - Actions include ID125, ID127, and ID129

Appendix

- [redacted]
- [redacted]
- Google docs - [redacted]
- Engagement survey: [redacted] | [redacted] (translated)
- [redacted]
- Translated resources sent to participants before session:
    - [redacted]
    - [redacted]
- [redacted]
- [redacted]

Session 2: Post-Engagement Activity Summary

Activity: 廢物事大 **Waste Talk**
Activity Date: October 13, 2025
Organization/group: HK House
Time/Duration: 7:00pm - 8:30pm (1.5 hours)
Location: Virtual
Format: workshop/ focus group
# of Participants: 19

Strategies and Actions Discussed

We were only able to cover the below IDs from Strategy 2.2, 3.3 and a few IDs from 3.5 during our discussions. However, all participants were exposed to the strategies below and some shared additional comments on the ones we didn't have time to discuss in our shared document after the session.

- **Strategy 2.2:** Support residents adopting waste prevention habits
  - Actions include ID104 and ID081
- **Strategy 3.3:** Foster the broad adoption of reuse, refill, and repair
  - Actions include ID047, ID083, and ID164
- **Strategy 3.5:** Increase access to reuse, refill, and repair
  - Actions include ID058, ID059, ID060, ID061, ID086, and ID166
- **Strategy 3.7:** Encourage and celebrate residents and businesses that prioritize reuse and refill practices
  - Actions include ID076, ID077, ID078, and ID089

Appendix

- [redacted]
- [redacted]
- [redacted]
- Engagement survey: [redacted] | [redacted] (translated)
- [redacted]
- Translated resources sent to participants before session:
  - [redacted]
  - [redacted]
- [redacted]
- [redacted]

Session 3: Post-Engagement Activity Summary

Activity: 廢物事大 Waste Talk (community leaders and organizers session)
Activity Date: October 13, 2025
Organization/group: HK House
Time/Duration: 9:00pm - 10:30pm (1.5 hours)
Location: Virtual
Format: workshop/ focus group
# of Participants: 9

Strategies and Actions Discussed

We were able to cover the below IDs from Strategy 1.2, 2.3, 3.4 and 4.1 during our discussions, except we didn't get to finish ID165. All participants were exposed to the strategies below and some shared additional comments on the ones we didn't have time to discuss in our shared document after the session.

- **Strategy 1.2:** Support the transition to a more circular regional economy through waste prevention
    - Actions include ID041 and ID079
- **Strategy 2.3:** Prioritize food waste reduction initiatives
    - Actions include ID072
- **Strategy 3.4:** Work with event organizers, businesses, and institutions to increase reuse
    - Actions include ID050, ID053, ID054, ID055, ID056, and ID165
- **Strategy 4.1:** Promote design for recyclability and the use of recycled content in products and packaging
    - Actions include ID112

Appendix

- [redacted]
- [redacted]
- [redacted]
- Engagement survey: [redacted]
- [redacted]
- Translated resources sent to participants before session:
    - [redacted]
    - [redacted]
- [redacted]
- [redacted]

廢物事大: 第一場
Waste Talk: Session 1

Strategies: Recycle
策略：回收

Strategy 4.5. Make recycling easier and more effective by reducing confusion and improving convenience 策略 4.5 透過減少混淆及提升便利性，令回收更容易、更有效	
Action ID131: Improve access to textile donation and recycling collection services. 行動 ID131：改善紡織品捐贈及回收服務的可及性。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ • Special garments - e.g. women's underwear, only a few lingerie shops will recycle it • Depending on the location of the collection boxes. Should collaborate with grocery stores to set up collection points • It depends on what types of textile are allowed and not allowed, for example underwear or something really personal may not be acceptable. • Depending on if the location has enough recycle boxes and if it is easy to access/identify or not. • Depending on location - if its easy to access, its easy for me to participate and I see attractive as buying clothes these days are expensive. • Easy to donate if things don't have tears to the thrift shop, it's good to have a place to donate them. Anyb we donate any type of textile. • Textile recycling bins near the fire station which is accessible • Tried taking old clothing back to value village but not all value village will take them - so this will help improve access - need more access points If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ • need more access points / near public transit • Include more collection boxes at locations that are easy access such as skytrain or bus station, residential areas and inside malls. • Collection box location should be more accessible e.g. close to skytrain What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ • It would be helpful to know what is happening to what I've donated, I've seen people directly dump stuff at those places. Then we will know if it's better to sell or donate - if we know how it's being treated. Talking us what will happen afterwards will be a good idea.

	● ● More the thrift shop or textile recycling bins in community/ retailer, that it's convenient to donate them ● To make sure residents / office workers in an area to know this action is now happening - e.g. my current recycle knowledge actually came from my last landlord - she taught me the need + how to recycle - I have not came across some more official education on this, as an immigrant - not someone who studied here. ● Make sure to have someone to follow up with the collected textile such as having a specific department to collect the textile week/bi-weekly (so that to make sure the textile is actually recycled instead of leaving them in the box). ● Need to know if synthetics or others can be recycled - need instructions on what is recyclable - for textiles! ● There are numbers for plastics - but for textiles are there labels, is this going to be a difficult part for the person donating, or is sorting done after? **How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?** **你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？** ● High 重要: 10 votes ● Medium 一般: 3 votes ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？ ● One of the reasons that this action is important is because textile/clothing is one of the major consumption in our daily lives, so it would be better to have a more proper way to recycle.
Action ID132: Recognize and reward those who recycle well so others are inspired to follow their example. 行動 ID132：表揚和獎勵做得好的回收者，以鼓勵其他人效法。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● Maybe somewhat difficult - dont think i would like to spend time in tracking my recycling work ● 唔覺得應該獎勵，呢個係公民責任，hard to monitor and provide incentive, better to educate ● I like the point reward system in HK. You earn points based on the weight of your recycled items. The points can exchange to some modest reward e.g. recycled paper towel ● If we have a reward system, it's a lot of resources being spent on these resources and it's not needed, it's our responsibility. ● Easier to incentivize those who don't usually recycle, for those who do, these don't really matter. Policy usually needs to reward or punish. ● 以前香港都有綠在區區回收計畫，獎勵唔一定要畀錢，但係啲小獎勵會motivate到人回收 ● the recycle depot is daunting to go

If difficult, what would make your participation easier?
如果覺得困難，有乜嘢可以令你參與得更加容易？

- The location of recycling point is essential
- If there are more facilities near me it'll be much easier, not everyone is able to drive.
- Maybe to make the "reward" more attractive? - I am not attracted by bringing a full pack of textile and get back a few cents.
- To include tech to the recycling box - e.g. every one scan your QR code to the recycling box and then the box could e.g. weigh the weight textile and automatically add points to your account - so the people do not need to track their effort manually
- Burnaby's sites - even though you can go and get money back, the site you have to deliberately drive to and is not very hygienic, everytime I go I have to "be brave" and it takes effort
- Recycling facilities need to be accessible, and hygenic
- I think it would be better to have a standard to determine or define what does "recycling well" mean
- Vending machines for recycling (to collect plastic bottles) in HK, much easier, don't have to involve manual power and effort.
- People bring bottle recycling because there's a deposit. But for clothing/products can there be an amount up front also so they can bring it back for an incentive too? So these can be recycled and made into new clothing/ products/ beauty care etc.

What should Metro Vancouver consider to support your participation with this action?
大溫地區應該考慮啲乜嘢去支援你參與呢項行動？

- Motivate citizens to participate
- More education
- More community discussion - like this one
- Incentives for companies to provide education/ sites to be open for recycling (lower rents?etc.)
- More promotion (poster/ advertisements)
- More dissemination, for example, TV ad., Social media , leaflets to every mailbox. Let's more people know new actions
- 啲回收點可唔可以收晒所有嘅回收物，咁去一個地方可以recycle 晒所有嘢？
- Encourage companies to use sustainable materials.
- Shouldn't corporations 出多少少力
- Need catalogue and understanding of what can be recycled for children/ elderly etc.
- People don't know where to go and there's not a lot of knowledge about where they can go to recycle

How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?
你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？

- High 重要: 1, 1, 1, 1,1, 1, 1
- Medium 一般: 1, 1, 1
- Low 唔太重要: 1, 1, 1

	Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？ In HK it's very convenient, and it still takes a lot of education resources, incentive and promotion and it just increased by a small margin. It might be a longer term change that can't be measured immediately.
Action ID133: Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected. 行動 ID133：針對最常見回收物去研究制定標準化的標誌及可自訂的工具，從而幫助減少對「垃圾桶應該放咩」嘅困惑。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● I think it will help, but not much, because there are still quite a lot of items that are hard to categorize e.g. contact lens? Paper straw? ● ● Easy - as its effort from the government side, not from the people ● hard to make all cities to adopt standardized approach, Lots of red tape ● easier to standarize ● There should be a clear signage standard so it is easily understood. ● I think is easy to let people know If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● I saw a documentary on tv - the recycling plant was able to sort through all the recyclables from the non-recyclables . That would make the consumer part of thing easier ● fIt seems like recycling needs to be sorted in very specific areas, but 係咪有signage 就可以容易分到呢？ ● Gov can consider developer mobile app with AI to take photo images and tell you if item is recyclable r not ● 如果個system 可以好容易咁colour coded, 一開始可能係難，但係如果熟咗可以好容易一睇到colour就分到 ● 在香港熟知口訣「藍紙黃罐啡膠樽」，但溫哥華公眾地方回收箱與屋苑/屋企回收箱並不是同對應顏色 ● It would be better to also list the things that cannot be put in each bin. (e.g. attached image to each type of recycle bin that crossed out things that cannot be recycle) What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● I've seen students stand in front of the bins to look and understand what should go where. But even if they stood for a while they are unable to know where their waste should go and it ends up in the garbage ● As a consumer, we only care about what we should do… we don't really care whether it is the city or metro Vancouver doing it. We just want clear communication on what they want us residents to do ● ●

	How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要: 1 111,11, 1, 1, 1, 1,1 ● Medium 一般: ● Low 唔太重要:1 Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID134: Centralize information sources to make it consistent and easier for the public to find information and look for resources. 行動 ID134：集中資訊來源，確保一致，亦方便公眾尋找資料和資源。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● Yes this is a good action. Currently there is a Return-it app that I sometimes use to see whether something can be recycled. But sometimes it is not accurate - some private bodies actually help recycle some items that the city said cannot be recycled. ● Yes. It is the fundamental action to push the recycling rate. ● If there's a centralized app or website it will be much easier ○ And people need to know about it ● ● Yes. It would be way easier so that ppl will know where to access the most updated info. ● Difficult - just that even the info is centralized, it should be more publicized If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● Ads, spend some time on promotions and make it a big thing so people will know ● The school should pick up responsibilities so it's easier. ● 政府可以去學校open day度加booth, 大人可以從中學習到 (same for universities e.g open day) ● 考慮吓會唔會整啲歌詞或者容易記嘅嘢, colour code 加歌詞, education 會好啲 ● 可以教小朋友做屋企嘅recycle hero, taking responsibility to do all the recycling in their home ● 對小朋友 - circle time, 整啲歌或者 poster, 咁每日都會接觸到咁就有深刻印象 ● ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● Make the information accessible1

	● 考慮從學校教育入手, 當學生有足夠回收知識，可以教育上一代及下一代 ● More in person boothing in different fairs & festivals e.g. HK Fair, Taiwan fest etc. ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要:1,11,1, 1, 1, 1,1, 1 ● Medium 一般: 1, 1 ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID135: Provide clear, consistent guidelines on what can and cannot be recycled. 行動 ID135：提供清晰一致的指引，說明哪些物品可以回收，哪些不可以。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● Easy - as the recycle bins at my place now show mostly what could be recycled, but not what could not be recycled - and sometimes i feel confused ● 容易，更加確定可不可以回收，因並不一定所有物品都可以回收 ● Easy and very much needed! ● Ideally, if there is a machine that can scan the product, and the machine can tell us which bin it should go, that would be amazing! ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● 可唔可以喺package 度話畀你知係咪唔可以recycle， 或者喺落邊個bin - that would be super helpful +1+1 ● Not everyone can access technology (think QR code/ have a phone etc). Handwritten/ signs will be very important. ● Within school systems - educating younger students or adolescents to participant or promote healthy recycling habits - parents might not do it unless they see their kids do it. ● Children can teach parents ● Seniors - can do workshops for seniors to educate them ● Workshops can be for everyone ● Have image attached that is easy to understand ● Included different languages/translations (if that's possible) 1 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● 需要考慮所有供應商重新做新標誌，提供支助，鼓勵一同改變 ● ● ●

	● Provide financial support to schools or communities to organise any related workshops. How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要:1.1,1 ,1, 1, 1,1Ye ● Medium 一般: 1, 1, 1 ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID140: Support knowledge sharing of space and access requirements for multi-plex units (6 units or less). 行動 ID140：支援小型多戶住宅（6個單位或以下）在空間及通道要求上的知識分享。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● We can't even understand what this action means to comment on it ● Please avoid using jargon ● Are you talking about strata? If it's about strata, it's about clarity for tenants for resource management ● action ID140 what that means? ● ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● ● Please avoid using jargon ● ● ● ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● ● ● ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要: ● Medium 一般: ● Low 唔太重要: ● Unsure 唔知道: 1,1, 1

	Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID142: Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal. 行動 ID142：協助開發數碼工具，讓用戶可以掃描廢物，並獲得清晰、不同語言的資訊，說明如何重用、維修、回收或棄置。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● It would be easier for the younger generation. ● Yes easy to participate and will be useful if there is only one single source of truth. ● 困難，需要大量資金去開發數碼工具, , 並不是一兩年可以有完善的資訊 ● Easy for younger people but difficult for older people. If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● Language accessibility - are they willing to be more diversified ● Need to consider people who are not technology savvy and might not have technological devices ● Other than signage (limitations of printing), integrating smarter devices that can scan and assign where products can go, this will be easier ● Not sure how technology/ AI can help to be honest (this was a question) ● (comment) - can scan the packaging and will make it easier than people not reading signs ● (comment) for reuse/ repair don't know how it works ● Scandinavian - have programs for repair and reuse, maybe it needs to be a municipal/ government program ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● Having a space and open workshop in addition to technology, public space that people can learn how to repair ● Might need a research project on that. ● More inclined to have a physical space than digital technology - it is more important and helpful ● Me personally dont use phone that much, if the info is printed on the product / on the recycling bin, its much better ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要: 1 ● Medium 一般:1,1,1,1, 1, ● Low 唔太重要: 1, 1, 1 Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？

Strategy 4.6 Target recycling education 策略 4.6 加強回收教育	
Action ID144: Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses. 行動 ID144：為商業機構開發教育資源，包括大型廢物產生者、中小企及多元文化社區商戶。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ • Moderately easy to participate if the materials are practical, concise, and available online • Straightforward instructions in the materials would help the businesses understand exactly what actions they need to take, reduce confusion, and increase the likelihood of successful implementation. • If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ • clear summaries, visual guides, and examples that show how waste management practices apply to real operations. • Educational resources should be specific to the industry/ business, rather than general guidelines • What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ • Flexible learning formats/ materials would help, eg toolkits/ videos/ printed materials/ webinars • • How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ • High 重要: • Medium 一般: • Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID103: Develop and deploy improved education for multi-family residents.	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ • Easy. With a well-defined/ specific audience in a building, the

行動 ID103：為多戶住宅住戶設計並推出更完善的教育。	education can be designed to be clear, precise, and easy to understand. ● Easy to deploy as there are existing channels or community space for visuals/ newsletter delivery/ interactive workshops. ● ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● Who would be responsible for execution? Is participation (e.g. workshops/ online training) mandatory for all families or residents? ● ● ● ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● Education content should be concise, appealing, and actionable ● The building/ strata/ property managers should help with promotion and materials distribution in an encouraging environment. ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要: ● Medium 一般: ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID145: Explore collaborations with non-profits organizations to support better education and sorting in apartment buildings. 行動 ID145：探索與非牟利組織合作，加強公寓大廈的教育及分類工作。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● Easy as there are non-profits that already have expertise in community engagement and waste education. ● Can leverage their experience in community outreach, ready-made programs, volunteer support, and credibility ● Direct engagement/ two-way interaction is more effective for residents to participate in recycling than just delivering materials for them to study, as you have someone onsite to help sorting if they have immediate questions.

	If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● Ensure non-profits have sufficient capacity to handle these additional collaborations, so the programs can be sustainable. ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● Funding support, training, and standardized practice across different non-profits would be essential for the success. ● ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要: ● Medium 一般: ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID146: Develop educational resources for people to reduce waste when they are hosting a large gathering. 行動 ID146：開發教育資源，協助市民在舉辦大型聚會時減少浪費。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● ● Easy to participate because guidance on reducing waste—such as using reusable tableware, planning portions, or setting up recycling and compost stations—can be implemented directly by hosts and can have a tangible impact on waste reduction. ● ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● 舉辦大型聚會時, 垃圾桶旁邊會提供多個大型回收桶 ● ● ● ● What should Metro Vancouver consider to support your participation with this action?

	大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● Specific examples or scenarios, eg how much food to prepare, can be given to illustrate how the guidelines apply in real situations, making the instructions more relatable and easier to follow. ● Educational resources alone are not enough. Providing hardware or facility support at the venue can help actually reduce waste—for example, hosting parties at a building's amenities with cutlery provided. ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要:1 ● Medium 一般: ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID147: Improve awareness and access to existing environmental advisors that provide regional waste reduction information services. • 行動 ID147：提升市民對環境顧問服務於提供地區性的減廢資訊服務的認識，並加強其可及性。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● Don't even know there are environmental advisors… so improving awareness and access to these advisors would be helpful ● ● ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● ● ● ● ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● ● ●

	● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要: ● Medium 一般: ● Low 唔太重要:1 Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID148: Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle. 行動 ID148：透過與藝術家及社區意見領袖合作，設計具吸引力的回收訊息，以啟發和鼓勵市民參與。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● ● A bit difficult because the messaging might feel superficial or inauthentic. Not everyone resonates with or interprets the same message in the same way. ● ● Managing collaborations with artists and ensuring consistent messaging across platforms could also be challenging. ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● ● artists and influencers should be involved from the start in shaping the tone and visuals so that messages feel genuine. ● ● They should have the flexibility to create their own messages rather than being given rigid scripts. ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● Art installations in public space and social media campaigns could amplify the impact—making recycling visible, fun, and community-driven while reinforcing authenticity and motivation. ● ● ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要:

	● Medium 一般: ● Low 唔太重要:1 Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID150: Research and target the most confusing items for residents that are often incorrectly sorted. 行動 ID150：研究並針對最容易令人混淆、經常被錯誤分類的物品。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● 容易, 令大家改善一直以來的錯誤分類物品 ● The research could be easy to conduct by the waste mgmt company/ the city and data could be easily collected. eg waste stream audit/ resident surveys and feedback ● Easy because focusing education on high-confusion materials can directly improve sorting accuracy and reduce contamination in recycling and compost streams. ● ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● ● ● ● ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● Simple, visual guides with photos or icons showing correct disposal for each confusing item would already help a lot. ● ● ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要:1 ● Medium 一般: ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？

Action ID151: Gamify recycling and reduction education. 行動 ID151：將回收及減廢教育遊戲化，提高參與度。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● Depends if the gamification system is complex or not. ● Incorporating elements like quizzes, challenges, points, badges, or friendly competitions can make learning about recycling and waste reduction fun and motivating, encouraging ongoing participation. ● ● Might not seem attractive to adults If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● ● There might be risks that some participants may focus more on rewards than the underlying learning, reducing long-term behavioral change. ● ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● ● ● ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要:1 ● Medium 一般: ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID152: Collaborate on the development of how to recycle videos to improve community pride and accuracy of recycling.	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ●

行動 ID152：以協作形式拍攝「如何回收」的短片，以提升社區自豪感和回收準確度。	● ● ● ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● ● ● ● ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● ● ● ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要:1 ● Medium 一般: ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？

Strategy 4.7. Increase transparency of what happens to materials from recycling and green bin
策略 4.7 提升回收及廚餘處理的透明度

Action ID157: Facilitate public tours of recycling facilities so that residents can see what happens to their materials.

行動 ID157：安排公眾參觀回收設施，讓居民親眼見到他們的回收物如何被處理。

If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it?
如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？

- 容易, 可以帶小孩一同去參觀, 一起學習, 了解更多
-
- Easy because tours provide a tangible, engaging way to understand the recycling process and connect individual actions to community-wide impacts.
- Seeing how materials are sorted and processed can increase motivation to recycle correctly
-

If difficult, what would make your participation easier?
如果覺得困難，有乜嘢可以令你參與得更加容易？

- 安排每間學校活動一齊去參觀
- Do it in smaller groups for active engagement as large group sizes may reduce the personal impact of the experience
- Flexible tour hours/ multiple trips to accommodate different people's schedule
- virtual tour options for those unable to attend in person.
-

What should Metro Vancouver consider to support your participation with this action?
大溫地區應該考慮啲乜嘢去支援你參與呢項行動？

-
- partnering with schools, community groups, and local media to promote tours
- integrate interactive elements for engagement
- share highlights on social media to extend the educational impact beyond those physically attending
-

How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?
你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？

- High 重要:1
- Medium 一般:
- Low 唔太重要:

Is there anything else you'd like to add to the conversation on this ACTION?
你仲有冇其他關於呢項行動嘅意見想補充？

Action ID159: Show where waste goes and how it's processed to provide more transparency in the recycling system. **行動 ID159**：展示垃圾的去向及處理過程，增加回收系統的透明度。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● ● Easy to participate as residents only need to engage with educational resources such as videos, infographics, tours, or online tools to understand the journey of their waste. ● Worth to do it because demonstrating where waste goes—from collection to sorting, processing, and final disposal or recycling—can build trust in the system, reduce confusion, and motivate proper waste management behaviors. ● ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● ● Ensure information is presented in a clear format so residences can contextualize the information on how it relates to their everyday actions, i.e. connecting what they do at home with what happens at processing facilities. ● Important to dispatch information at appropriate touchpoints where residents of different age groups could access at all times ● ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● integrating these resources into schools, community workshops, building newsletters, and social media ● ● ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要: ● Medium 一般: ● Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？

Strategy 4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses

策略 4.4 改善多戶住宅及商業場所的廚餘回收參與度

Action ID125: Review provision of green bins for non-residential properties and work collaboratively to increase participation in non-residential organics programs. **行動 ID125**：檢視為非住宅物業提供綠色廚餘桶的安排，並合作推動非住宅有機廢物回收計劃的參與度。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ • • Could be difficult if properties face logistical challenges, such as space constraints, collection schedules, or additional costs, especially for older buildings and premises • • staff turnover (in the premises/ properties) may reduce engagement as there may be a lack of awareness about the program when newcomers work at the place If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ • provide tailored onboarding support, clear signage, and training for staff, along with resources like posters, bin labels, and educational guides in the public space of the non-residential properties • Green bins collection schedules should match business hours, and they should be collected frequently if there are restaurants/ food-related businesses in the properties to prevent hygiene issues. • Enforcement/ incentives to ensure businesses follow or participate in the green bin programs • What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ • • consider collaborating with property managers, business associations, and environmental advisors • sharing best practices or case studies from successful participants with other building/ property managers to demonstrate feasibility and benefits. • How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ • High 重要: • Medium 一般: 1 • Low 唔太重要: Is there anything else you'd like to add to the conversation on this ACTION?

	你仲有冇其他關於呢項行動嘅意見想補充？
Action ID127: Continue to provide tools and tips to residents to reduce odours and “yuck factor” with green bins. **行動 ID127**：繼續向住戶提供工具和貼士，幫助減少異味和「噁心感」，以提升使用廚餘桶的意願。	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ ● ● Could be difficult; odours and “yuck factor” can be only reduced but not eliminated ● ● Even with guidance, residents may feel hesitant to handle food scraps, or they may lack the time, space, or materials to consistently apply recommended practices. ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● 家居廚餘桶/廚餘袋應該有免費提供, 而不是需要市民自己自付購買 ● compostable liners, odor-absorbing materials, or simple tools for bin cleaning should be provided ● The key is making green bin use feel manageable, safe, and socially reinforced. What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● Increase the frequency of green bin collection. ● The city regularly collects green bins, cleans them, and returns a cleaned bin to residents. ● Offer community demonstrations, workshops, or peer support to normalize bin use. How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要:1,1 ● Medium 一般: ● Low 唔太重要: Is there anything else you’d like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？
Action ID129: Promote and educate residents on worm bins and backyard composting.	If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？

行動 ID129：推廣並教育住戶使用蚯蚓箱及後院堆肥。	● 困難, 因為後院堆肥, 會有異味, 可能引入蛇蟲鼠蟻, 不是很多人能夠接受得到 ● Very difficult because residents would be concerned about space, odor, pests, or the complexity of maintaining compost systems. ● Limited access to materials like bins, worms, or instructional resources could also pose barriers. ● There are more multi-family residences now, and even single-family houses have fewer backyards than in the past. ● If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？ ● ● If green bin programs are still running, which are easier to participate in, why would I even compost at home? ● ● I'm personally very scared of worms, so nothing would help. ● What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？ ● ● sharing success stories to normalize and celebrate backyard composting and worm bin practices. ● partnering with community gardens, schools, or local retailers, offering incentives such as compost bin discounts or free workshops ● How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ ● High 重要: ● Medium 一般: ● Low 唔太重要:1 Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？

Notes

Format : Virtual
Session Date: October 11, 2025
# of Participants Registered: 20
# of Actual Participants: 18
# of event promotions: 5 (1 community e-blast, 1 IG post, 1 IG story, 1 FB post, 1 post on X)
Combined promotion impressions: 5,000+, reach: 1,700+

Strategy 4.5. Make recycling easier and more effective by reducing confusion and improving convenience 策略 4.5 透過減少混淆及提升便利性，令回收更容易、更有效 Action ID131: Improve access to textile donation and recycling collection services. 行動 ID131：改善紡織品捐贈及回收服務的可及性。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• It's hard for me to figure out if contact lenses are waste or recycling. They generate a lot of waste, but since they're made of plastic, are they recyclable? • If I donate items to certain places, it would be helpful to know what happens afterwards. Do they actually get recycled? I've seen some items being dumped into a big bin. • Is this going to be difficult for the person donating? I.e. Will sorting be	• It should be quick and easy to donate, because I already do donate to thrift stores. But the problem comes in for certain things like socks or items that have a stain or tear in it, then it's good to have a place to collect these. • Simplicity would also be an issue. Do we have to sort out the material, or can you donate any type of textile? • Easier, I've tried taking old clothing to Value Village, but not all items are accepted. Having more textile recycling options would really improve access • It depends on what types of textiles are allowed or not allowed. For example, underwear or very personal items may not be acceptable • It depends on the location of the collection boxes. Metro Vancouver should collaborate with grocery stores to set up more collection points • If the collection points are convenient, it's easy for me to participate, especially since buying new clothes these

	required by the person donating, or is it done afterwards?	days is expensive, so it feels good to donate what can still be used ● More thrift shops or textile recycling bins in the community or at retailers would make it more convenient to donate. ● If the location has enough recycling boxes and they are easy to access or identify, it would be much easier to participate.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	● Is there requirements in terms of what should be recycled or belong to the landfilled (i.e. dishrack) ● We need more instructions of what should be recycled, or will there be contamination. There's a lot of synthetics in textiles - is this recyclable or will it ruin all the other products?	● We need more access points, especially near public transit. ● Include more collection boxes at locations that are easy to reach, such as SkyTrain or bus stations, residential areas, and inside malls ● Collection box locations should be more visible and accessible, for example, close to SkyTrain stations ● There's a lot of those fire stations (and other public utility spaces), if there are collections at all these public spaces, it would be much easier to access ● Educating consumers like us who actually make the effort to donate or recycle. Provide greater transparency around what happens to donated and recycled goods after collection. (This will help build trust and motivate participation) ● Will there be a system for textiles and other products? I.e. for plastics there is a certain number on the bottle. ● There should be a team of people sorting things out after donations (especially for textiles) ● Make sure to have someone to follow up with the collected textiles, such as having a specific department to collect them weekly or bi-weekly. This ensures the textiles are actually recycled instead of being left in the box
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？		In terms of priority: - 10 participants expressed this is high importance - 3 participants expressed this is medium importance - 0 participants expressed this is low importance - 5 participants didn't answer

Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		One of the reasons that this action is important is because textile/clothing is one of the major consumption in our daily lives, so it would be better to have a more proper way to recycle.

Strategy 4.5. Make recycling easier and more effective by reducing confusion and improving convenience
策略 4.5 透過減少混淆及提升便利性，令回收更容易、更有效

Action ID132: Recognize and reward those who recycle well so others are inspired to follow their example.
行動 ID132：表揚和獎勵做得好的回收者，以鼓勵其他人效法。

Section	Questions asked by Participants	Feedback heard
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 啲回收點可唔可以收晒所有嘅回收物，咁去一個地方可以 recycle 晒所有嘢？ 有時最困擾喺收膠樽又喺一個位啦，但係佢又唔收其他嘢。好想可以去一個地方做得晒所有嘢。 *(Translation: Can recycling stations accept all types of recyclables,*	• I like the point reward system in Hong Kong, you earn points based on the weight of your recycled items, and the points can be exchanged for modest rewards, e.g. recycled paper towels and everyone can participate. • Policy 通常都喺carrot and stick 去推動。對啲已經有環保意識嘅人其實佢哋唔需要啲鼓勵去推佢哋一步，但係畀啲環保意識無咁高嘅人，獎勵喺其中一個幾有效嘅推動方法，例如回收膠樽有啲reward 畀返佢哋，其實喺可以推動到一班本身無乜環保意識嘅人去做。Stick 嘅就喺懲罰，如果唔做就收佢哋錢或者其他懲罰。*(Translation: For people who already have high awareness and do recycle, they don't really need the incentive to take action. But for those with lower awareness, rewards can be an effective way to motivate them. For example, giving a small reward for*

	so people can recycle everything in one place? *Sometimes the most frustrating thing is that one site only takes bottles, but not other items. It would be great to have one location where you can do all your recycling at once.)*	*recycling plastic bottles can actually encourage people who wouldn't normally think about recycling to participate. The "stick" part means penalties. For instance, charging fees or applying other punishments for not participating.)* ● 以前香港都有「綠在區區」回收計畫，獎勵唔一定要畀錢，可能要儲一萬分先可以換到卷廁紙，但係小獎勵會 motivate 到人回收，好似我媽咪都無咩特別環保意識，但係因為呢樣嘢，佢都會做。 宜家喺大溫地區如果回收膠樽喺有啲按金可以攞得返， 對我嚟講已經喺一個鼓勵。 有 incentive 喺有用嘅 *(Translation: In Hong Kong, there used to be a recycling program called "Green Community." The rewards didn't have to be monetary, for example, you might need to collect 10,000 points just to exchange for a roll of toilet paper. But small incentives could be enough to motivate people to recycle. My mom isn't very environmentally aware, but because of that program, she still participated. Right now in Metro Vancouver, there's already a deposit you can get back when recycling plastic bottles, for me, that's already an incentive. Having an incentive is useful.)* ● Maybe somewhat difficult, I don't think I would like to spend time tracking my recycling work. ● If there are more facilities near me, it'll be much easier, not everyone is able to drive. ● Maybe make the "reward" more attractive? I'm not motivated to bring a full bag of textiles just to get back a few cents. ● To make things easier, include technology in the recycling boxes. For example, everyone could scan a QR code at the box, and it could weigh the textiles or other items and automatically add points to your account, so people don't have to track their efforts manually. ● In Hong Kong, there are vending machines for recycling plastic bottles. It's much easier and doesn't require as much manual effort.
What should Metro Vancouver	● People bring bottles for	● Making recycling depots easier to access is key. Right

consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	recycling because there's a deposit. Or i.e. H&M used to give you a small coupon if you bring old clothes in. Could something similar apply to clothing or other products? Or could there be a partnership with companies for this? For example, adding a small upfront fee that can be returned when items are brought back for recycling (so they can be made into new clothing, products, or beauty items)	now, they can feel intimidating or inconvenient to visit. Removing these barriers and improving accessibility would make participation much easier. ● 除咗方便之外，宜家喺Burnaby啲recycling site 拎啲嘢去佢可以畀返少少錢，但係佢嘅地方真係幾唔乾淨。每次去都要鼓起啲勇氣，喺好臭呀，好唔想去換幾毫子咁，所以呢個都好重要。*(Translation: In Burnaby, even though you can get a small refund when you bring recyclables in, the sites aren't very hygienic and often require a deliberate drive to reach. Every time I go, I have to "be brave" it smells bad, and it takes effort just to get a few cents back. Recycling facilities need to be both accessible and clean to encourage people to use them.)* ● It would be helpful to have a clear standard defining what "recycling well" actually means ● More education ● Provide a clear catalogue or guide on what can be recycled, designed for children, seniors, and others who may need simpler information ● Many people don't know where to go, there isn't enough public knowledge about where recycling facilities are located ● More community discussions like this one ● More promotion through posters and advertisements ● Broader dissemination, for example, TV ads, social media, and leaflets to every mailbox, so more people know about new recycling actions ● Encourage companies to use sustainable materials ● Corporations should contribute more to these efforts
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to	● Can there be incentives for businesses to promote less packaging or encourage customers to bring in their own containers and packages? Or encourage reuse and recycling?	In terms of priority: - 7 participants expressed this is high importance 3 participants expressed this is medium importance - 3 participants expressed this is low importance - 5 participants didn't answer ****Note - we see an anomaly where people in the recycling focused session think incentives are not necessary, but many in*

add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	• 啲大型公司攢咁多錢，佢哋喺咪應該喺呢方面出多少少力？ *(Translation: Big corporations make so much money, shouldn't they be doing a bit more in this area?)* • 點解有啲嘢IKEA 唔可以recycle 但係London Drugs 可以？ 好多時啲人唔知道可以去邊度recycle所以掠咗 *(Translation: Why is it that some things can't be recycled at IKEA, but can be at London Drugs?* *A lot of times, people just don't know where they can take things to recycle, so they end up throwing them away.)*	*the other two sessions expressed that point systems or rewards will help encourage more participation and get everyone involved. This might be a self-selection bias.* • 不如我用中文講啦，我唔覺得應該獎勵拎啲嘢嚟recycle嘅人囉，呢啲喺公民責任。如果你咁樣做會*(Translation: Let me just say it in Chinese, I don't think people should be rewarded for bringing things to recycle. This is a civic responsibility. If you do that, it would…)* create another can of worms, I think we instead of providing a monetary incentive for people to do that, it would be better to educate people on the importance of recycling • If we have a reward system, it's a lot of resources being spent on these resources and it's not needed, it's our responsibility • Provide incentives for companies to offer education or open sites for recycling (e.g. lower rents or other support) • In Hong Kong, it's very convenient to recycle, but it still takes a lot of education, incentives, and promotion. And even then, participation only increased by a small margin. This suggests it's a long-term change that can't be measured or achieved immediately.

Strategy 4.5. Make recycling easier and more effective by reducing confusion and improving convenience
策略 4.5 透過減少混淆及提升便利性，令回收更容易、更有效

Action ID133: Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected. 行動 ID133：針對最常見回收物去研究制定標準化的標誌及可自訂的工具，從而幫助減少對「垃圾桶應該放咩」嘅困惑。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• What is signage standard and customizable tool? • 宜家唔喺已經有乜？ *(Translation: Isn't this in place already?)* • 咁Metro Vancouver 喺可以做啲乜，呢啲唔喺每個 City 都唔同㗎咩？ *(Translation: So what can Metro Vancouver actually do about this? Aren't these implemented differently in each city?)* • It seems like recycling has to be sorted very specifically, but would clear signage make it easier to tell what goes where?	• I think it will help, but not much, because there are still quite a lot of items that are hard to categorize, for example, contact lenses or paper straws • It would be easy, since the effort comes more from the government rather than the public • It may be difficult to have all cities adopt a standardized approach (there's a lot of red tape) but if it can be standardized, it will make things easier • There should be a clear signage standard so that it's easily understood by everyone • I think it's easy to let people know, as long as the communication is clear • I once saw a documentary showing how recycling plants could automatically sort recyclables from non-recyclables that would make things much easier for consumers • The government could consider developing a mobile app with AI that lets you take a photo to check if an item is recyclable or not • 如果個 system 可以好容易咁 colour coded，一開始可能係難，但係如果熟咗可以好容易一睇到 colour 就分到。 *(Translation: If the system could use simple colour coding, it might be confusing at first, but once people get used to it, it would be easy to sort by colour.)* • 喺香港熟知口訣「藍紙黃罐啡膠樽」，但溫哥華公眾地方回收箱與屋苑/屋企回收箱並不是同對應顏色。 *(Translation: In Hong Kong, everyone knows the chant "blue for paper, yellow for cans, brown for plastic bottles," but in Vancouver, the colours for public recycling bins don't match those used at home or in buildings.)* • It would also help to list the items that cannot go into each

		bin, for example, using attached images with cross marks on non-recyclable items.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		● 我喺學校見到一個比較得意嘅現象喺嗰啲回收桶有好多 items，以啲學生真係企咗好耐，睇咗成一分鐘先分辨到喺應該擺喺邊。喺好事因為學生願意學，願意睇，但有啲 moment 就係佢哋諗完都唔係好分辨到，然後就揀咗落 general garbage。 *(Translation: At school, I noticed something interesting. Students often stand in front of the recycling bins for a long time, trying to figure out what goes where. It's good that they're willing to learn, but sometimes, even after looking carefully, they are unable to tell and they still end up throwing everything into the garbage.)* ● As consumers, we mostly care about what we should do, not whether it's the city or Metro Vancouver managing it. We just want clear and consistent communication on what actions residents are expected to take
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - 11 participants expressed this is high importance - 0 participants expressed this is medium importance - 1 participants expressed this is low importance - 6 participants didn't answer ● 事實上喺好難，回收要分到好細先回收到。喺咪有signage 就得？會唔會都好複雜？ *(Translation: In reality, it's quite difficult, recycling needs to be sorted very precisely to be effective. Is having signage enough? Or is it still too complicated?)* ● 要令到個system 好simplified, 可以好簡單咁colour code 咗就知道嗰樣嘢喺點分。 *(Translation: The system needs to be simplified, if it used clear colour coding, people could easily tell how to sort*

		their waste.)

Strategy 4.5. Make recycling easier and more effective by reducing confusion and improving convenience 策略 4.5 透過減少混淆及提升便利性，令回收更容易、更有效 Action ID134: Centralize information sources to make it consistent and easier for the public to find information and look for resources. 行動 ID134：集中資訊來源，確保一致，亦方便公眾尋找資料和資源。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？		• Yes, it would be much easier if people could access the most up-to-date information in one place • Yes, this is a fundamental action to help increase the recycling rate • If there's a centralized app or website, it will be much easier. And people need to know about it. • It could still be difficult if the information, even when centralized, isn't well publicized • Yes, this is a good action. Currently, there is a Return-It app that I sometimes use to check whether something can be recycled. But sometimes it's not accurate, some private organizations actually help recycle items that the city says cannot be recycled.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• Something like a physical thing to each household like the current ones that tell you when garbage and or recycling is picked up • Use ads and spend time on promotions, make it a big campaign so people know about it • Schools should also take on some responsibility to help spread awareness

		• 政府可以喺學校 open day 度加 booth，大人可以從中學習到。（大學都可以，例如 open day） *(Translation: The government could set up booths at school open days so adults who are there with their children or grandchildren can also learn. This is the same for universities.)* • 考慮吓會唔會整啲歌詞或者容易記嘅嘢，colour code 加歌詞，education 會好啲。 *(Translation: Consider using songs or easy-to-remember jingles. Combine colour coding with music to make education more effective.)* • 可以教小朋友做屋企嘅 recycle hero，負責屋企嘅回收，同埋佢哋可以教返爸爸媽媽 *(Translation: Teach children to be "recycle heroes" at home, taking responsibility for sorting recycling for the family. And they can also relay this information and teach their parents)* • 對小朋友，可以喺 circle time 整啲歌或者 poster，令佢哋每日接觸到，印象會更深。 *(Translation: For kids, use circle time to teach with songs or posters so they see it daily and remember it better.)*
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - 9 participants expressed this is high importance - 2 participants expressed this is medium importance - 0 participants expressed this is low importance - 7 participants didn't answer

Strategy 4.5. Make recycling easier and more effective by reducing confusion and improving convenience 策略 4.5 透過減少混淆及提升便利性，令回收更容易、更有效 Action ID135: Provide clear, consistent guidelines on what can and cannot be recycled. 行動 ID135：提供清晰一致的指引，說明哪些物品可以回收，哪些不可以。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 咁其實可唔可以直接喺個product packing嗰度有個label 或者colour code 話呢樣嘢喺唔可以recycle嘅？或者喺已經有個colour code 話喺應該落邊個bin *(Translation: Would it be possible to have a label or colour code directly on the product packaging to show whether something is recyclable or not? Or even better, a colour code that clearly indicates which bin it should go into.)* - three others indicated this is helpful	• Easy, the recycling bins at my place already show what can be recycled, but not what cannot be recycled, which sometimes makes me confused. • 容易，更加確定可唔可以回收，因為並唔一定所有物品都可以回收。 *(Translation: Easier, as it helps confirm whether something can be recycled, since not everything can be recycled.)* • Easy and very much needed! • Ideally, if there were a machine that could scan a product and tell us which bin it should go in, that would be amazing. • Not everyone can access technology (e.g. QR codes or smartphones), so handwritten notes or clear signs will still be very important. • Within school systems, it's very important to educate younger students or adolescents to participate and promote healthy recycling habits. Parents might not do it unless they see their kids doing it • Children can teach their parents • For seniors, community centres can offer workshops to help educate them • Workshops can be for everyone • Include clear images that are easy to understand • Include different languages or translations, or even non-

		verbal, easy to understand icons, if possible
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• 需要考慮所有供應商重新做新標誌，提供支援，鼓勵一同改變 *(Translation: Suppliers should be encouraged and supported to redesign their labels and packaging to reflect recycling information.)* • Provide financial support to schools or communities to organize related workshops
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - 8 participants expressed this is high importance - 3 participants expressed this is medium importance - 0 participants expressed this is low importance - 6 participants didn't answer

Strategy 4.5. Make recycling easier and more effective by reducing confusion and improving convenience
策略 4.5 透過減少混淆及提升便利性，令回收更容易、更有效

Action ID140: Support knowledge sharing of space and access requirements for multi-plex units (6 units or less).
行動 ID140：支援小型多戶住宅（6個單位或以下）在空間及通道要求上的知識分享。

Section	Questions asked by Participants	Feedback heard
If Metro Vancouver includes this action in the updated	• Are you talking about	• We can't even understand what this

solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	strata? If it's about strata, it's about clarity for tenants for resource management	action means to comment on it
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• Please avoid using jargon
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - All replied they are unsure here

Strategy 4.5. Make recycling easier and more effective by reducing confusion and improving convenience
策略 4.5 透過減少混淆及提升便利性，令回收更容易、更有效

Action ID142: Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
行動 ID142：協助開發數碼工具，讓用戶可以掃描廢物，並獲得清晰、不同語言的資訊，說明如何重用、維修、回收或棄置。

Section	Questions asked by Participants	Feedback heard

If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？		● It would be easier for the younger generation. ● Yes, it would be easy to participate and helpful if there's only one single source of truth ● 困難，需要大量資金去開發數碼工具，並不是一兩年可以有完善的資訊 *(Translation: It would be difficult because developing digital tools requires significant funding and can't be perfected within just a year or two.)* ● Easy for younger people, but difficult for older people ● Beyond signage (which has printing limitations), integrating smarter devices that can scan items, recognize them and identify where they should go would make things easier. ● Scanning the packaging would make things easier for people who don't read or understand signage. ● This will be difficult for reuse and repair, if it's more of a personal or monetary decision
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		● Language accessibility, are they willing to make it more diverse? ● Need to consider people who aren't tech-savvy or don't have access to digital devices. ● Scandinavian countries have programs for repair and reuse; maybe this needs to be developed as a municipal or government-led program
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想		In terms of priority: - 1 participants expressed this is high importance - 5 participants expressed this is medium importance - 3 participants expressed this is low importance - 9 participants didn't answer ● Some commented they're not sure how technology or AI could help, to be honest ● There's a comment that this tool can be in a public space near the collection sites too so people can learn and sort

補充？		it in the right bins. • I would be more inclined to have an actual physical space, it's more helpful

THIS MARKS THE END OF THE DISCUSSION

However, participants have added comments to strategies on recycling that we didn't get a chance to discuss. Please see the notes below.

Strategy 4.6 Target recycling education
策略 4.6 加強回收教育

Action ID144: Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
行動 ID144：為商業機構開發教育資源，包括大型廢物產生者、中小企及多元文化社區商戶。

Section	Feedback
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Moderately easy to participate if the materials are practical, concise, and available online • Straightforward instructions in the materials would help the businesses understand exactly what actions they need to take, reduce confusion, and increase the likelihood of successful implementation. • clear summaries, visual guides, and examples that show how waste management practices apply to real operations. • Educational resources should be specific to the industry/ business, rather than general guidelines
What should Metro Vancouver consider to support your participation with this action?	• Flexible learning formats/ materials would help, eg toolkits/ videos/ printed materials/ webinars

大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	

Strategy 4.6 Target recycling education 策略 4.6 加強回收教育 Action ID103: Develop and deploy improved education for multi-family residents. 行動 ID103：為多戶住宅住戶設計並推出更完善的教育。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Easy. With a well-defined/ specific audience in a building, the education can be designed to be clear, precise, and easy to understand. • Easy to deploy as there are existing channels or community space for visuals/ newsletter delivery/ interactive workshops. • Who would be responsible for execution? Is participation (e.g. workshops/ online training) mandatory for all families or residents?
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• Education content should be concise, appealing, and actionable • The building/ strata/ property managers should help with promotion and materials distribution in an encouraging environment.

How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	

Strategy 4.6 Target recycling education 策略 4.6 加強回收教育 Action ID145: Explore collaborations with non-profits organizations to support better education and sorting in apartment buildings. 行動 ID145：探索與非牟利組織合作，加強公寓大廈的教育及分類工作。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Easy as there are non-profits that already have expertise in community engagement and waste education. • Can leverage their experience in community outreach, ready-made programs, volunteer support, and credibility • Direct engagement/ two-way interaction is more effective for residents to participate in recycling than just delivering materials for them to study, as you have someone onsite to help sorting if they have immediate questions. • Ensure non-profits have sufficient capacity to handle these additional collaborations, so the programs can be sustainable.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• Funding support, training, and standardized practice across different non-profits would be essential for the success.
How much of a priority is it to you to include this action in the draft solid waste management plan?	

你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	

Strategy 4.6 Target recycling education 策略 4.6 加強回收教育 Action ID146: Develop educational resources for people to reduce waste when they are hosting a large gathering. 行動 ID146：開發教育資源，協助市民在舉辦大型聚會時減少浪費。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Easy to participate because guidance on reducing waste—such as using reusable tableware, planning portions, or setting up recycling and compost stations—can be implemented directly by hosts and can have a tangible impact on waste reduction. • 舉辦大型聚會時, 垃圾桶旁邊會提供多個大型回收桶 (translation: During large events, several large recycling bins should be placed beside garbage bins)
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• Specific examples or scenarios, eg how much food to prepare, can be given to illustrate how the guidelines apply in real situations, making the instructions more relatable and easier to follow. • Educational resources alone are not enough. Providing hardware or facility support at the venue can help actually reduce waste—for example, hosting parties at a building's amenities with cutlery provided.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？	One person came back to the document to mark this as high priority.

Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	

Strategy 4.6 Target recycling education 策略 4.6 加強回收教育 Action ID147: Improve awareness and access to existing environmental advisors that provide regional waste reduction information services. • 行動 ID147：提升市民對環境顧問服務於提供地區性的減廢資訊服務的認識，並加強其可及性。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Don't even know there are environmental advisors… so improving awareness and access to these advisors would be helpful
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION?	One person came back to the document to mark this as low priority.

你仲有冇其他關於呢項行動嘅意見想補充？	

Strategy 4.6 Target recycling education 策略 4.6 加強回收教育 Action ID148: Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle. 行動 ID148：透過與藝術家及社區意見領袖合作，設計具吸引力的回收訊息，以啟發和鼓勵市民參與。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• A bit difficult because the messaging might feel superficial or inauthentic. Not everyone resonates with or interprets the same message in the same way. • Managing collaborations with artists and ensuring consistent messaging across platforms could also be challenging. • artists and influencers should be involved from the start in shaping the tone and visuals so that messages feel genuine. • They should have the flexibility to create their own messages rather than being given rigid scripts.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• Art installations in public space and social media campaigns could amplify the impact—making recycling visible, fun, and community-driven while reinforcing authenticity and motivation.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	One person came back to the document to mark this as low priority.

Strategy 4.6 Target recycling education 策略 4.6 加強回收教育 Action ID150: Research and target the most confusing items for residents that are often incorrectly sorted. 行動 ID150：研究並針對最容易令人混淆、經常被錯誤分類的物品。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 容易, 令大家改善一直以來的錯誤分類物品 (translation: Easy, it would help everyone correct the common mistakes they've been making in waste sorting) • The research could be easy to conduct by the waste mgmt company/ the city and data could be easily collected. eg waste stream audit/ resident surveys and feedback • Easy because focusing education on high-confusion materials can directly improve sorting accuracy and reduce contamination in recycling and compost streams.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• Simple, visual guides with photos or icons showing correct disposal for each confusing item would already help a lot.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	One person came back to the document to mark this as high priority.

Strategy 4.6 Target recycling education 策略 4.6 加強回收教育 Action ID151: Gamify recycling and reduction education. 行動 ID151：將回收及減廢教育遊戲化，提高參與度。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Depends if the gamification system is complex or not. • Incorporating elements like quizzes, challenges, points, badges, or friendly competitions can make learning about recycling and waste reduction fun and motivating, encouraging ongoing participation. • Might not seem attractive to adults • There might be risks that some participants may focus more on rewards than the underlying learning, reducing long-term behavioral change.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	One person came back to the document to mark this as high priority.

Strategy 4.6 Target recycling education 策略 4.6 加強回收教育

Action ID152: Collaborate on the development of how to recycle videos to improve community pride and accuracy of recycling. 行動 ID152：以協作形式拍攝「如何回收」的短片，以提升社區自豪感和回收準確度。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	One person came back to the document to mark this as high priority.

Strategy 4.7. Increase transparency of what happens to materials from recycling and green bin 策略 4.7 提升回收及廚餘處理的透明度 Action ID157: Facilitate public tours of recycling facilities so that residents can see what happens to their materials. 行動 ID157：安排公眾參觀回收設施，讓居民親眼見到他們的回收物如何被處理。

Section	Feedback
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 容易, 可以帶小孩一同去參觀, 一起學習, 了解更多 (translation: Easy, I can bring my children along to visit, learn together, and deepen our understanding) • Easy because tours provide a tangible, engaging way to understand the recycling process and connect individual actions to community-wide impacts. • Seeing how materials are sorted and processed can increase motivation to recycle correctly • 安排每間學校活動一齊去參觀 (translation: arrange school trips so that each school can visit together) • Do it in smaller groups for active engagement as large group sizes may reduce the personal impact of the experience • Flexible tour hours/ multiple trips to accommodate different people's schedule • virtual tour options for those unable to attend in person.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• partnering with schools, community groups, and local media to promote tours • integrate interactive elements for engagement • share highlights on social media to extend the educational impact beyond those physically attending
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	One person came back to the document to mark this as high priority.

Strategy 4.7. Increase transparency of what happens to materials from recycling and green bin 策略 4.7 提升回收及廚餘處理的透明度

Action ID159: Show where waste goes and how it's processed to provide more transparency in the recycling system. 行動 ID159：展示垃圾的去向及處理過程，增加回收系統的透明度。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Easy to participate as residents only need to engage with educational resources such as videos, infographics, tours, or online tools to understand the journey of their waste. • Worth to do it because demonstrating where waste goes—from collection to sorting, processing, and final disposal or recycling—can build trust in the system, reduce confusion, and motivate proper waste management behaviors. • Ensure information is presented in a clear format so residences can contextualize the information on how it relates to their everyday actions, i.e. connecting what they do at home with what happens at processing facilities. • Important to dispatch information at appropriate touchpoints where residents of different age groups could access at all times
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• integrating these resources into schools, community workshops, building newsletters, and social media
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	

Strategy 4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses

策略 4.4 改善多戶住宅及商業場所的廚餘回收參與度

Action ID125: Review provision of green bins for non-residential properties and work collaboratively to increase participation in non-residential organics programs.
行動 ID125：檢視為非住宅物業提供綠色廚餘桶的安排，並合作推動非住宅有機廢物回收計劃的參與度。

Section	Feedback
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Could be difficult if properties face logistical challenges, such as space constraints, collection schedules, or additional costs, especially for older buildings and premises • staff turnover (in the premises/ properties) may reduce engagement as there may be a lack of awareness about the program when newcomers work at the place • provide tailored onboarding support, clear signage, and training for staff, along with resources like posters, bin labels, and educational guides in the public space of the non-residential properties • Green bins collection schedules should match business hours, and they should be collected frequently if there are restaurants/ food-related businesses in the properties to prevent hygiene issues. • Enforcement/ incentives to ensure businesses follow or participate in the green bin programs
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• consider collaborating with property managers, business associations, and environmental advisors • sharing best practices or case studies from successful participants with other building/ property managers to demonstrate feasibility and benefits.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	One person came back to the document to mark this as medium priority.

Strategy 4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses 策略 4.4 改善多戶住宅及商業場所的廚餘回收參與度 Action ID127: Continue to provide tools and tips to residents to reduce odours and "yuck factor" with green bins. 行動 ID127：繼續向住戶提供工具和貼士，幫助減少異味和「噁心感」，以提升使用廚餘桶的意願。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Could be difficult; odours and "yuck factor" can be only reduced but not eliminated • Even with guidance, residents may feel hesitant to handle food scraps, or they may lack the time, space, or materials to consistently apply recommended practices. • 家居廚餘桶/廚餘袋應該有免費提供, 而不是需要市民自己自付購買 (translation: Household food waste bins or compostable bags should be provided for free, rather than requiring residents to purchase them on their own) • compostable liners, odor-absorbing materials, or simple tools for bin cleaning should be provided • The key is making green bin use feel manageable, safe, and socially reinforced.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• Increase the frequency of green bin collection. • The city regularly collects green bins, cleans them, and returns a cleaned bin to residents. • Offer community demonstrations, workshops, or peer support to normalize bin use.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	Two people came back to the document to mark this as high priority.

Strategy 4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses 策略 4.4 改善多戶住宅及商業場所的廚餘回收參與度 Action ID129: Promote and educate residents on worm bins and backyard composting. 行動 ID129：推廣並教育住戶使用蚯蚓箱及後院堆肥。	
Section	**Feedback**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 困難, 因為後院堆肥, 會有異味, 可能引入蛇蟲鼠蟻, 不是很多人能夠接受得到 (Difficult, backyard composting can produce unpleasant odours and attract pests such as insects, rodents, or even snakes, which many people might find hard to accept) • Very difficult because residents would be concerned about space, odor, pests, or the complexity of maintaining compost systems. • Limited access to materials like bins, worms, or instructional resources could also pose barriers. • There are more multi-family residences now, and even single-family houses have fewer backyards than in the past. • If green bin programs are still running, which are easier to participate in, why would I even compost at home? • I'm personally very scared of worms, so nothing would help.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• sharing success stories to normalize and celebrate backyard composting and worm bin practices. • partnering with community gardens, schools, or local retailers, offering incentives such as compost bin discounts or free workshops
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION?	One person came back to the document to mark this as low priority.

Notes

Format : Virtual
Session Date: October 13, 2025
# of Participants Registered: 20
# of Actual Participants: 19
# of event promotions: 5 (1 community e-blast, 1 IG post, 1 IG story, 1 FB post, 1 post on X)
Combined promotion impressions: 5,000+, reach: 1,700+

Strategy 2.2 Support residents adopting waste prevention habits
策略 2.2 支援居民養成減廢習慣

Action ID104: Expand education tools to help multi-family residents to reduce waste, increase participation, and comply with evolving waste reduction regulations.
行動 ID104：擴展教育工具，協助多戶住宅住戶減少廢物、增加參與度，以及遵守持續更新嘅減廢規例

Section	Questions asked by Participants	Feedback heard
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 擴展教育工具係大約係啲乜嘢？想了解多少少係以乜形式，因為佢都好影響究竟要take up 地方喺幾多同埋係以乜類型？ (translation: What exactly does “expanding educational tools” mean? I’d like to understand a bit more about the format, since that would affect how much space it takes up and what type of	• 如果唔知道啲education activities 係乜format 嘅時候，其實唔知道容唔容易join (translation: if we don’t know what format the education activities will take, it’s hard to tell whether they’ll be easy to join or not) • Should not be too difficult if the education tools are practical • Easy for me as I already try to sort and reduce waste at home. However, it may be challenging when living in a multi-family building where waste rooms are shared and not everyone follows the same system. It depends on how the education is delivered and the level of detail provided. • The action talks about “education tools,” but it’s not clear how the tools for multi-family residents would differ from those for single-family residents.

	activities or materials would be involved) ● 會唔會係townhall, 定係leaflet, 定係由council 幫手promote嘅activities？(translation: would it be in the form of town halls, leaflets, or activities promoted by local councillors?) ● Is there a goal or target?	● It might be quite hard for me to participate since I don't live in a multi-family residential area, there might be less motivation for me to take part ● Recycling locations in Vancouver are not easy to find, and promotion or public awareness is not common ● Easy to participate in general, but it's not convenient to dispose of large pieces of furniture. ● It's hard for some participants who don't always feel comfortable or have the freedom to practice sustainable practices ● 減廢其實係令多啲新嚟嘅知道可以好多嘢都可以recycle. 同埋喺邊度recycle, and also noted in the packaging (translation: waste reduction can help more newcomers learn that many things can actually be recycled, and where to recycle them, as well as include that information on product packaging.) ● 無乜人去宣傳邊啲嘢可以recycle - 喺有resources 但係無人知道, 一直以嚟無好好咁promote (translation: there hasn't been much promotion about what can be recycled. The resources exist, but people don't know about them, and it hasn't been well promoted) ● Better to have a clear goal for residents to participate in, so everyone can work toward something together. ● Easy-to-use mobile apps could show where to find bottle return collection points in each area ● Should be promoted and supported by strata councils. ● Perhaps collaborate with NGOs to make participation more accessible for the community ● Provide "carrots", incentives or recognition for strata councils that achieve good results. ● I think accessibility to recycling tools could be improved. For example, in North Vancouver, paper recycling must go in yellow bags, but they're not easy to find or replace, and can easily blow away on windy days. Some residents give up recycling because it's inconvenient. Maybe Metro Vancouver could consider providing better access or alternatives to these bags

		• 有啲困難去評價呢條ID104或者以下嗰啲措施，暫時睇其實無列名到底大溫地區整體佢有邊啲嘅廢物喺想優先減少。咁目標想減少幾多，佢嘅想用乜措施或政策去介入，咁先至可以畀大家討論嘅時候考慮到自己家居實踐係容易呀定係唔容易。 舉例：飲品樽。 買嘅時候會畀個deposit，而交還嘅時候就會攞得返。呢個政策回收率其實係幾高㗎。呢個屋企可唔可行呢？其實喺屋企呢啲take up 嘅space 有幾多？回收幾耐有一次？咁嘅context底下先可以容易啲理解 呢個政策下面要減少嘅呢類廢物，喺家居真係要罰錢嘅時候，到底係相對容易呀，定係要需要咩資源配合去幫助去達到政策嘅目標？ 但係咁我都理解嘅，成個大溫地區淨係廢物嘅數據量每個地區嘅收集同統計方式都未必一樣，亦未必係超級透明，咁所以某程度上數據會影響到定啲乜目標同埋實行乜嘢嘅措施，而會影響到無論企業又好市民又好就住呢個目標同措施去配合。咁嘅方向係會容易啲進入到個方向討論。 (translation: it’s a bit difficult to evaluate Action ID104 or the following measures, because it’s not yet clear which specific types of waste Metro Vancouver is prioritizing for reduction. The plan doesn’t specify the target reduction amount, or what tools or policies will be used to achieve it. Without that information, it’s hard for participants to assess whether applying these measures at the household level would be easy or difficult. For example, take beverage containers: you pay a deposit when you buy them and get it back when you return them. That policy has a fairly high recycling rate. But when evaluating whether it works at home: how much space would it take up? How often would collection happen? With that kind of context, it’s easier for us to understand the intent of the policy is and what support or resources might be needed if penalties were introduced for non-compliance, and then tell the

		government whether it’s easy to participate or not. That said, it’s understandable that across Metro Vancouver, waste data collection and reporting methods may differ between municipalities and might not be completely transparent. This data quality directly affects how goals and measures are set, thus affecting how businesses and residents can align their efforts to meet those targets and policies. With clearer direction and shared data, it would be much easier to have informed discussions about the overall strategy.)
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		● Should we consider providing clear, multilingual educational materials or a website? ● Metro Vancouver could collaborate with large businesses, such as Home Depot or London Drugs, to distribute recycling bags (e.g. yellow bags) or share recycling information ● Consider launching alternative and more sustainable options for recycling bags, such as replacing plastic bags with reusable recycling boxes ● Need clarity on the time and format. For example, will sessions be held after 6:00 p.m. on weekdays, and are they in-person or online? How long is each session, and do participants need to join regularly?
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you’d like to add to the conversation on this ACTION?		In terms of priority: - 9 participants expressed this is high importance - 5 participants expressed this is medium importance - 1 participants expressed this is low importance - 4 participants didn’t answer ● The key is these education tools have to be able to reach the target audience ● 我自己喺度住咗幾年啦。我諗我理解減廢就係減緊一啲我

你仲有冇其他關於呢項行動嘅意見想補充？		哋可能未必recycle到嘅嘢，或者係我哋唔知道可以recycle嘅嘢 。譬如我早幾個星期去home depot買燈，咁就見到有啲box可以recycle燈膽。London drug就有啲箱可以recycle啲電芯咁。對於我嚟講我就係咁啱經過就見到呢啲可以recycle嘅地方，如果唔係我啲燈膽就直接掠落垃圾桶，我唔會特登儲起啲燈膽然後等幾耐先至會去recycle一隻燈膽咁樣囉。所以希望一啲回收嘅地方可以多啲或者令到新嚟嘅人可以知道呢度好多嘢都可以回收。 (translation: I've been living here for a few years now, and my understanding of waste reduction is cutting down on things that either can't be recycled or that we don't realize can be recycled. For example, a few weeks ago I went to Home Depot and noticed they had boxes for recycling light bulbs, and London Drugs has bins for recycling batteries. For me, it's only by chance that I came across these recycling stations, otherwise I'd probably just throw the light bulbs in the garbage. I wouldn't go out of my way to save them up and wait a long time just to recycle one bulb. So I hope there can be more recycling locations, or better information for newcomers, so people know that a lot of things here can actually be recycled. ● 咁淨返唔係能夠可以會收到嘅嘢就唔係我哋啲市民可以控制得到。Reuse 方面皮我哋木筷子可以用多幾次但係最終都會掠咗佢。 (translation: The rest of the things that can't be collected or recycled aren't really within our control as residents. In terms of reuse, we can try to use things like wooden chopsticks a few more times, but in the end, they still end up being thrown away.) ● 其實加拿大係有呢啲咁樣嘅tools㗎，因為我搵緊一個website係有一個google map係有標示到原來濾水壺嘅芯都

		可以回收，但係冇人宣傳到呢個tools。同埋呢個tool會唔會好多人用呢？係咪要去desktop慢慢咁樣碌，慢慢咁study，佢係冇公仔，同埋冇標誌。其實加拿大係有resources，係有platform，但係冇人宣傳。佢個traffic係low，個SEO好差多所以冇人知道。一直以嚟冇宣傳，冇好明顯咁樣去推廣。啲information好難先搵到 (translation: actually, Canada already has tools like this. I found a website with a Google Map showing that even water filter cartridges can be recycled, but no one promotes these tools. And are people really using them? You have to go on a desktop, scroll slowly, and study the map. It has no icons or clear labels. Canada already has the resources and platforms, but they’re not being promoted. The site’s traffic is low, the SEO is poor, and as a result, very few people know about it. There hasn’t been any visible promotion and the information is hard to find.

Strategy 2.2 Support residents adopting waste prevention habits 策略 2.2 支援居民養成減廢習慣 Action ID081: Increase in person education where residents can talk directly with experts on how to reduce waste. 行動 ID081：增加面對面教育，讓居民可以直接向專家查詢點樣減少廢物。		
Section	**Questions asked by Participants**	**Feedback heard**

If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 好好嘅建議，但點做到？ (translation: That's a great suggestion, but how can it actually be done?) • 究竟安排一個人喺現場解答問題，係咪真係feasible (translation: is it actually feasible to have someone stationed on-site to answer questions?)	• 容易, 但長期有專家去詢問, 成本會不會太高? (translation: easy, but if experts are needed to provide consultations, wouldn't the cost be too high?) • Easy. This is already being done at zero waste centres. I can bring items there and ask the staff whether they can be recycled. However, that mainly applies to recycling. When it comes to waste reduction, in-person efforts aren't very cost-effective unless they take place at events with large attendance. It might be more practical to do this through repair cafés or other community events • It would be easy for me to participate since I'm interested in learning directly from experts. However, I wonder if maintaining regular expert sessions could be costly in the long term • 面對面嘅溝通太浪費資源啦，接觸到嘅人亦唔係太多，同埋好多時想去主動搵到資訊嘅時候，我哋會更加希望係我哋日常好容易去到嘅地方，例如其他participant所講嘅supermarket，又或者經常會去到嘅圖書館或者係community centre，咁就可以隨手接觸到呢啲資料，咁可以傳播到嘅機會更加大，而且所花費嘅資源比起不停要搵人兜口兜面咁講其實效率大好多 (translation: face-to-face communication takes up too many resources and doesn't reach a large enough audience. Often, when we want to look for information ourselves, we prefer to find it in places we already visit regularly like supermarkets, libraries, or community centres, as other participants mentioned. If these materials were available in those everyday spaces, people could easily access them, which would spread the message much more effectively. Compared to constantly sending people to talk in person, this approach would be far more efficient and cost-effective) • It might also not be very practical, as not everyone would be able to attend. Sometimes questions come up in daily life, and it doesn't feel helpful to "save them up" for a later session with a professional • It would be hard for me to participate because in-person

		meetings require people to dedicate time, so the challenge is how to motivate them to join sessions with experts. This is the hardest part, as many people may not have the intention to participate, it's a very passive way to educate people ● Educational tools for recycling might not be effective when people's awareness of recycling is low or when they don't see the need to recycle ● 其實如果要去到面對面嘅話，多數都係啲對環保好認真、好投入嘅人先會去。佢哋可能好engaged，但對一般人嚟講，我覺得冇乜必要要同專家面對面傾。好似我自己係新移民，如果要同專家面對面，其實都唔知點問問題。好多問題都係好基本，用一張leaflet已經可以解答。最好啲資料可以隨時睇，例如我執屋、倒垃圾嗰陣想查返啲資料就搵到。對普通人嚟講，要同專家傾係有啲壓力，而且都會覺得呢啲事唔關自己事，唔明點解要特登去了解。 (translation: if it's a face-to-face session, it usually attracts people who are already really passionate about environmental issues and already very engaged. But for regular people, I don't think it's necessary to talk directly with experts. For me, as a newcomer, if I had to meet experts in person, I probably wouldn't even know what to ask. Most of my questions are quite basic and could easily be answered in a leaflet. Ideally, the information should be something we can access anytime, for example, when I'm sorting waste or cleaning my home, I can quickly check what's covered. For most people, talking to experts feels intimidating, and they might also think, "this doesn't really concern me, so why should I learn about it?") ● Not difficult if time and venue is convenient . ● Educational tools for recycling may not be effective if people have low awareness of recycling or don't see the need to do it ● No time, it's hard to reflect deeply or keep track on our

		own. Education needs to be reviewed and reinforced repeatedly. ● 其實簡單直接啲可以喺派傳單。我初初嚟， 我印象中好似只係收過一兩次宣傳單張話去邊度可以回收同埋有乜嘢可以回收。我覺得呢啲係最直接同埋最入屋嘅方式。但係直至到嗰次收到先至知道原來某啲樽係可以回收，同埋知道可以攞去啲deposit centre，咁樣嘅就唔使全部樽要再去分類咁recycle。對於啲屋企唔係好大嘅人嚟講係會容易啲。咁如果真係有個forum好似我哋呢度有20個人，咁淨係可以reach out到20個人，咁reach唔到一棟大廈二百個人咁，或者個community成千人咁。 都係簡單好啲，好似宣傳單張或者啲billboard喺啲超市或者係人多嘅地方咁樣。 (translation: It could be simpler and more direct like handing out flyers. When I first arrived, I remember only receiving one or two pamphlets about where and what to recycle. I think this is the most straightforward and effective way to reach people in their homes. It was only after getting that flyer that I realized some bottles could be recycled and taken to deposit centres, meaning not all bottles had to be sorted again for recycling. For people living in smaller homes, this makes things much easier. If there's an education forum with an expert like this one with about 20 participants, it can only reach those 20 people, not a whole apartment building of 200 residents or a community of thousands. Simple methods work best, like distributing flyers or putting up billboards in supermarkets or other high-traffic areas.)
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	●	● Consider the human resources required and explore how some of this work could be replaced or supplemented with online resources ● An online platform or Facebook focus group would be better, peer-to-peer education is often more effective ● Record expert talks or information sessions as videos and

		promote them through social media ● Physical promotion, such as advertisements in public spaces, would also be more practical and far-reaching ● Consolidate the various recycling and waste reduction websites in BC into one central platform, and advertise it so more people know about it
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - 1 participants expressed this is high importance - 5 participants expressed this is medium importance - 9 participants expressed this is low importance - 4 participants didn't answer ● I think combining in-person education with online resources, such as videos, infographics, and multilingual guides, would make this action more sustainable. No need for experts! ● 喺香港其實未必有啲專家去教大家點樣回收，不過通常啲回收點會有職員喺度，當你攞回收物去嗰陣，佢哋會即場教你點樣分類、點樣做。透過呢種方式去學，感覺上比較實際同容易做到。 (translation: in Hong Kong, we don't necessarily have experts teaching people how to recycle, but there are usually staff at recycling stations who explain the process when people drop off their items. Learning through that kind of direct, on-site guidance feels much more practical and achievable) ● 其實唔需要樣樣都靠專家，如果教識咗街坊同埋小朋友，佢哋自己都可以再教返身邊嘅人。透過學校或者社區去推動教育會實際得多，亦都更有意義。 (translation: We don't always need to rely on experts. Once local residents and children are educated, they can pass that knowledge on to others in the community. Community education through schools and neighbourhood networks is much more effective and meaningful)

Strategy 3.3 Foster the broad adoption of reuse, refill, and repair
策略 3.3 推動廣泛採用重用、補充及維修

Action ID047: Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as "thing rentals" at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
行動 ID047：倡議聯邦及省政府設立資助計劃，以支持重用同維修基礎建設嘅擴展及發展，例如公共圖書館嘅「物品租借」、零售商嘅補充服務、包裝重用系統、傢俬重用，以及建立社區重用選項資料庫。

Section	Questions asked by Participants	Feedback heard
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Nope, how can we get the reused items? Are they clean? How do we apply? • I live in Surrey, and it's a big city that covers a large area. Renting items might be difficult — will they be clean? What if they break? It would be hard to keep renting items out if they're not clean or have things like pet fur on them. • 如果可以同社區團體、教會或者宗教組織合作，會唔會容易啲推行？(translation: would it be easier if there were	• I think this could help encourage people to reuse. Sometimes we see something as waste or useless, but someone else might need it, for example, packaging materials from online shopping. For buyers, it's a one-time use and then thrown away, but sellers or people who are moving need boxes all the time. If there's a place where people can donate like-new packaging materials and others can pick them up, that would be great. • Easy for me to participate, I'm already part of Buy Nothing groups, tool libraries, little free libraries, and community fridges • If there's clear information, for example, about rental or lending programs, and if it's run as a city-based system, it would be easy to participate. The first step is knowing where to find this information. • 本人其實唔係幾支持物品租借呢個方向，因為其中一個好困難嘅點就係，到底由乜嘢人去决定、有啲乜嘢物品係準備擺出嚟租借呢？同埋呢啲物品要放喺邊啲地方？好似頭先啲人講，啲site好散。我自己都有經驗，試過想租借一部

	collaborations with community groups, churches, or religious organizations?) ● 至於包裝重用方面，究竟真係乾淨嘅呢？ (translation: for reusable packaging, is it really clean?)	衣車，發現雖然有得租，但係我附近嘅community centre冇，要揸車十幾二十公里去到另一個community centre先租到。咁呢個係咪真係一個合理嘅方向呢？而且呢個方案要幾大嘅資源先做到呢？ (translation: personally, I don't really support the direction of item rentals. One major difficulty is, who decides what items are available for rent, and where these items should be placed? Like others mentioned, the sites are very scattered. From my own experience, I once tried to rent a sewing machine and found that while the service existed, my nearby community centre didn't offer it. I had to drive 10 or 20 kilometres to another community centre just to rent it. So is this really a reasonable direction to take? And how much resource would it require to make it work?) ● Metro Vancouver 入面有好多唔同民族同種族，你係咪可以確保到如果呢個計劃係覆蓋成個地區，啲物品都仲係乾淨嘅呢？因為大家對「乾淨」嘅定義唔同。啲嘢如果爛咗、污糟咗，可能就冇機會再復修。有啲種族或者文化背景嘅人會好介意屋企有冇貓狗或者其他氣味。當有好多唔同文化同宗教嘅時候，有啲物品就未必可以共用，因為可能會觸及禁忌。咁如果 Metro Vancouver 要喺咁大嘅範圍推行共享，係咪會出現呢啲問題？會唔會忽略咗文化差異？可能應該考慮交返畀民間去運作，而唔係由官方統一管理，咁先可以照顧到唔同地區、唔同宗教嘅需要。有啲人對貓毛或者氣味敏感，如果啲傢俬去過有寵物嘅屋企，再租畀其他人可能會有問題。甚至有啲傢俬吸咗唔同氣味、變尖或者污糟咗，咁樣要點樣確保真係乾淨、唔會影響下一個使用者呢？ (translation: In Metro Vancouver, there are many different ethnic and cultural groups. If this program spans across the entire region, how can we ensure that the items remain clean? Everyone's definition of "clean" is different.

		If something becomes damaged or dirty, it might not be repairable. Depending on culture or religion, people care a lot about whether a household has pets or certain items. With so much cultural and religious diversity, some items might not be shareable because of taboos or sensitivities. If Metro Vancouver implements a sharing program on such a large scale, could that cause issues? Would these cultural differences be overlooked? Maybe this should be managed by communities rather than a centralized government system, so it can better reflect different regional and religious needs. Some people are sensitive or allergic to pet hair or odours — if furniture comes from a home with pets, it may not be suitable for others. Furniture might also absorb smells or become dirty, so how can we ensure cleanliness and safety for the next user?) ● For small items that can be borrowed from convenient places like libraries or community centres, it shouldn't be difficult. ● 而家啲資料好散、唔集中，好難搵到啱嘅資訊，應該要有一個集中的平台先方便啲。 (translation: everything's scattered and unorganized right now, so it's hard to find information. There should be a centralized source or platform to make it easier to access.)
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	●	● 就算而家真係有啲咁樣嘅租借、重用服務，其實一般人根本唔知道政府已經有做呢啲嘢。好似下個星期 Richmond 都有個 reuse 同 repair 嘅活動，但究竟有幾多人知道 city 有搞呢樣嘢呢？我自己都係因為身邊有朋友講起，問我想唔想一齊去睇，先至知道。其實如果身邊冇呢啲朋友，普通人係完全唔會知道，冇乜途徑會接收到呢啲資訊。如果真係想推廣得更好，應該可以好似頭先有人講咁，喺啲超市或者公共地方宣傳，等更多人容易接觸到，而唔係要特

		登上網 search 先搵到。因為講真，唔係人人都對環保咁關注，大部分人都唔會特登去搵呢啲資料。 (translation: Even if these kinds of reuse or rental services exist, most ordinary people don't know that the government is already doing them. For example, there's a reuse and repair event happening in Richmond next week, but how many people actually know the city is organizing that? Personally, I only found out because a friend told me about it and asked if I wanted to go. If you don't have friends who are aware of these things, you'd probably never find out; there aren't really any channels reaching the general public. If we're serious about promotion, maybe it should be like what someone mentioned earlier, advertise in supermarkets or public spaces so more people can see it, instead of expecting people to search for the information themselves. Not everyone cares deeply about environmental issues, and most people won't go out of their way to look for this kind of information.) ● Ease of access and how long would the rental period be? ● Provide businesses with incentives to encourage reuse. For example, there's a paint reuse program, but when I asked at participating locations, they said they don't actually save the paint for reuse, probably because there's no incentive for them to do so. ● Consider how to ensure rented items are clean and safe to use, there could be issues with hygiene or allergies.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION?		In terms of priority: - 5 participants expressed this is high importance - 4 participants expressed this is medium importance - 5 participants expressed this is low importance - 5 participants didn't answer It's not something Metro Vancouver needs to run directly. There are already enough community groups doing this, such as Buy Nothing groups, tool libraries, and second-hand stores. Metro Vancouver's role should be to promote these existing groups and

你仲有冇其他關於呢項行動嘅意見想補充？		encourage more communities to start similar initiatives.

Strategy 3.3 Foster the broad adoption of reuse, refill, and repair
策略 3.3 推動廣泛採用重用、補充及維修

Action ID083: Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.
行動 ID083：與食物回收及重用組織同非牟利團體合作，發展「重用/補充/維修」嘅數據庫。

Section	Questions asked by Participants	Feedback heard
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 呢個係咪focus 返喺食物回收方面？ (is this mainly focused on food recovery?) • 我嘅理解係，除咗食物之外，呢度講嘅應該係回收機構、例如傢俬回收。咁我係咪理解錯咗呢？ (translation: my understanding is that this isn't just about food, but also about recycling organizations, like furniture recycling. Did I understand that correctly?	• 其實要做呢啲計劃真係好難，因為食物安全嘅問題好重要。我而家喺教會嘅 soup kitchen 幫手，都有收到食物捐贈，因為嗰啲已經確保係乾淨，所以冇問題。坊間其實已經有呢啲做法，但如果要喺更大規模推行，就好困難，特別係安全方面。唔係淨係講衞生，仲要考慮唔同宗教，例如印度教、回教都有唔同嘅飲食規條；食物過敏都係一個大問題。如果製作或者分派食物時唔小心混到致敏成分，例如堅果，可能真係會出事。要安全地運作呢啲計劃，除非係由 soup kitchen 或者有營運經驗嘅餐廳去做，因為佢哋有明確嘅 food safety protocol、分類清楚先安全。如果食物來源太多、唔知道邊度嚟，就會有好多營運上嘅風險。 (translation: it's difficult because food safety is such an important issue. I volunteer at my church's soup kitchen, and we do receive food donations and those are fine because they're properly checked and clean. There are already models like this in the community, but scaling

		them up is challenging, especially when it comes to safety. It's not just about hygiene; you also need to consider different religions: for example, Hindu and Muslim dietary restrictions, and food allergies are another major concern. If food preparation or distribution accidentally mixes in allergens like nuts, it could be dangerous. Programs like this can only really run safely if they're handled by soup kitchens or restaurants with proper operations and food safety protocols. When food comes from too many different sources, or you don't know exactly where it's from, there are a lot of operational risks.) ● Easy, as long as I know about it ● If it's just the database, it should be easy to build, the key is being careful with how food items are categorized ● 如果個模式係針對現有機構、教會，整合好啲資料畀佢哋可以直接向啲 food supply 去申請，其實會好好多。因為佢哋本身已經有經驗、比較專業。咁樣會比起開放畀普通人或者其他唔同來源一齊參加更加實際，否則太多人參與反而會搞亂檔。 (translation: if the model focuses on existing organizations or churches, and consolidates data so they can directly apply to food suppliers, it would work much better. These organizations already have experience and are more professional. That would be more effective than letting the general public or multiple sources join in, which could make things messy and disorganized.) ● 我覺得如果講緊食物回收，大家都會擔心 allergy concerns 呢啲問題。但如果係傢俬回收或者電器回收，其實係幾好嘅方案。因為有啲人，例如新移民，嚟到未必有好多資金去買傢俬或者電器。我記得我當時都花咗好長時間上網搵二手傢俬、睇下有冇啲回收計劃或者家庭可以幫到，但係好難搵到集中嘅資料。如果有一個平台或者資料庫，可以顯示邊一區或者邊啲機構有傢俬或者電器可以回收，對呢

		啲家庭嚟講真係可以減壓，亦都提供到實際幫助。 (translation: I think when it comes to food recovery, people are often worried about allergy concerns. But for furniture or appliance recycling, that's actually a really good idea. Some people — like newcomers — may not have the financial means to buy furniture or appliances when they first arrive. I remember spending a long time searching online for second-hand furniture, recycling programs, or families who could help, but it was very hard to find centralized information. If there were a platform or database showing which areas or organizations offer furniture or appliance recycling, it would really help ease the burden and provide practical support for these families.) ● If it's mainly targeting people who are already participating, then having a dataset would be helpful. ● 其實仲要考慮衛生問題、宗教問題，仲有 Halal 食物嘅需求 We also need to consider hygiene issues, religious concerns, and the need for Halal food
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		● Making the data searchable online or through a mobile app, with clear categories such as refill stations, repair cafés, and food recovery locations, would make participation much easier ● It's also important to consider food allergies, as there could be risks of cross-contamination
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION?		In terms of priority: - 4 participants expressed this is high importance - 7 participants expressed this is medium importance - 4 participants expressed this is low importance - 4 participants didn't answer ● 呢個都好似係源頭減廢嘅概念。我返工嘅地方都有好多食物浪費，不過好多時都因為衞生問題而冇辦法重用。始終

你仲有冇其他關於呢項行動嘅意見想補充？		你唔可能用同一啲食物再去 serve 畀其他人，收錢又好、唔收錢又好都唔得。雖然而家有啲平台，例如 Too Good To Go，可以幫啲冇人掂過、淨返嘅食物再賣出去，但食物始終係一個高風險嘅問題。如果有人食完出事，例如食到肚痛，可能真係會畀人告到賠家產。 (translation: this feels like part of the idea of waste reduction at the source. At my workplace, there's a lot of food waste, but often we can't reuse it because of hygiene concerns. You can't really serve the same food to others again, whether you're charging or not. There are some existing platforms, like Too Good To Go, that help resell untouched leftover food, but food safety is still a big issue: it's too high-risk. If someone gets sick, even a small organization could be sued and face serious consequences.) ● 提倡餐廳預計好一日製作份量, 唔好預太多導致浪費 (translation: encourage restaurants to plan their daily production more carefully so they don't prepare too much and create unnecessary waste) ● The database should be combined with information on reduce and recycling, so there is one centralized database where people can search for information on everything: reduce, reuse, recycle, repair (repair cafe schedules and repair information). ● The government should encourage restaurants to share the leftover ingredients to employees or donate to food bank, because there will be lots of food waste from the commercial kitchens, to increase their intention to reduce food waste and encourage them to share the left over ingredients/food to people in need will be essential ● One area where reuse is badly needed to reduce waste is the construction (demolition) industry, too many reusable material are being thrown out as general garbage. It would be very helpful if there is a way to connect people looking for materials to reuse with the demolition contractors.

Strategy 3.3 Foster the broad adoption of reuse, refill, and repair 策略 3.3 推動廣泛採用重用、補充及維修 Action ID164: Share best practices for incorporating reuse, refill, and repair programs into communities. 行動 ID164：分享將重用、補充及維修計劃融入社區嘅最佳做法。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 呢部分係咪真係講緊傢俬或者電器回收嗰方面嘅內容？ (translation: Is this part actually referring to furniture or appliance recycling?)	• It depends on how the information is shared • It depends on the type of items, it's easier for small, easy-to-carry items that have low hygiene risks • 我覺得呢樣嘢幾好，因為可以延長啲物品嘅壽命，有啲只要輕輕維修一下就可以繼續用。不過中間我會想像到一個比較困難嘅位，就係logistics方面嘅問題。好似我有一張梳化，可能只係要補少少嘢，但我冇辦法自己運咁大張梳化去畀人維修。咁我應該點樣搵到方法將佢送去？如果喺物流方面有支援，呢樣嘢就會比較容易實現；但如果冇，可能就會變得困難。 (translation: I think this idea is quite good because it can extend the lifespan of items since some only need minor repairs to be reused. But I can imagine one major challenge being logistics. For example, if I have a sofa that just needs a small fix, I don't have a way to transport such a large item to the repair location. How would I get it there? If there's logistical support for that part, the idea would be much more feasible. Without it, it might be difficult to implement.) • 我自己以前嘅經驗係，呢啲嘢喺 Facebook community group 入面係做到嘅。如果大家都住喺同一個區，好似

		Marpole 咁，搬張梳化都容易啲，都有人幫手，但如果要搬去好遠，例如去到 Vancouver 其他區，就真係好大挑戰。所以呢啲計劃要睇下規模同埋可行性，或者可唔可以喺社區層面建立一啲民間力量去推動。大家喺自己社區識得對方、熟面口，會安心好多。但如果太分散、太遠，又唔知對方係咩人，好多人都會有猶豫。就算我以前放啲二手嘢出嚟賣，對方都會問到好詳細先覺得放心。我覺得呢啲都係其中一啲文化或者宗教上嘅隔閡，要諗下點樣去解決。(translation: from my own experience, this kind of thing can work through Facebook community groups. If everyone's in the same neighbourhood, like Marpole, it's easier to move a sofa or find someone nearby to help. But if it's far like moving something across Vancouver, it becomes a real challenge. So for this kind of initiative, it depends on the scale and whether there's a way to build local, community-led networks to make it work. When people know each other in their own area, there's more trust and comfort. But if it's too spread out or you don't know who the other person is, many people will hesitate. Even when I've tried to give away items before, people would ask very detailed questions before they felt safe. I think this is one of the cultural or even religious barriers that we need to think about how to address) ● 可以定期舉辦同環保有關嘅活動，用啲軟性啲嘅方法去推廣同教育，例如搞環保主題嘉年華，或者組織市民參觀大溫嘅環保回收系統同回收場 (translation: Regularly organize environmental activities and use softer approaches to promote and educate - for example, hosting environmental-themed fairs or arranging visits to Metro Vancouver's recycling systems and facilities) ● 要考慮重用物品嘅大小，可能要諗下點樣搬運 Consider the size of reusable items, transportation and handling might need to be planned. ● If there's support for transporting items or bringing them to

		repair or reuse locations, it would make participation much easier ● It would also be easier for me to participate if I'm aware of the program
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	●	● Metro Vancouver already has a website on how to repair and alterations, this should be expanded to include more categories. They should also encourage people to share this website.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	● 我想問返一個關於 recycle bin 嘅問題。其實我哋成日出街都會見到好多回收桶，但係平時我哋揀嘢都係照住個分類去扔。不過實際上，入面有幾多真係攞去回收呢？我之前去過一啲市集嗰啲地方，當我分類揀垃圾嘅時候，有個工作人員同我講：「你扔邊個都一樣，我哋唔會理㗎。」咁我就會諗，其實我哋想推動嘅嘢，係咪真係做到？定係雖然而家設置咗呢啲回收桶，但好多公司或者機構為咗方便，最後都忽略咗佢本身嘅意義？ (translation: I want to ask about recycling bins. We often see recycling bins everywhere, and usually	In terms of priority: - 11 participants expressed this is high importance - 2 participants expressed this is medium importance - 1 participants expressed this is low importance - 5 participants didn't answer ● 之前我都喺elementary school搞過啲 reuse 嘅workshop，會叫學生帶自己啲物品，例如膠樽、紙筒之類，教佢哋點樣用創意去將呢啲物件變成新嘅嘢，等佢哋可以延長使用。不過我自己都會question，當我教完佢哋呢啲方法之後，佢哋喺屋企會唔會真係咁樣做呢？或者當佢哋再有啲可以回收嘅物品嘅時候，佢哋會唔會諗下點樣 reuse，而唔係直接攞入回收箱？ 所以我覺得，點樣去延續呢個 reuse 嘅idea、令佢成為一個持續嘅觀念，都係好值得諗嘅方向。 (translation: I ran a few reuse workshops at elementary schools, asking students to bring their own items like plastic bottles or paper rolls, and showed them creative ways to turn those materials into something new to extend their use. But I often wonder: after teaching them these methods, will they actually continue doing it at home? When they have recyclable items later on, will they think

	we sort our waste and throw it into the right bin. But how much of what goes in is actually recycled? I've been to some markets where, when I tried to sort my waste, a staff member told me, "It doesn't matter which bin you use, it's the same" That made me wonder if we are really achieving what we're trying to do? Even though these bins are set up, are many companies or organizations ignoring their purpose just for convenience?)	about how to reuse them instead of just throwing it straight into the recycling bin? That's why I think it's important to consider changing and making it a lasting mindset. • Community groups already organize "Repair Days" to help residents fix small electrical items and household goods. These existing networks have strong community connections and could make reuse and repair activities more accessible and practical for everyone. • More repair cafés and a wider range of repair categories are needed. Workshops at repair cafés could also be offered to teach people how to repair different types of items

Strategy 3.5 Increase access to reuse, refill, and repair 策略 3.5 增加重用、補充及維修嘅可及性 Action ID058: Facilitate more community-based solutions like buy-nothing groups and shared fridges. 行動 ID058：推動更多社區方案，例如「無償分享群組」同共享雪櫃。		
Section	**Questions asked by Participants**	**Feedback heard**

If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 乜係Buy-nothing group? (translation: What is a buy-nothing group?)	• Buy Nothing groups can be too restrictive, some neighbourhoods have long waitlists to join, and group size limits mean fewer people see the items, so they're less likely to be picked up. People should be encouraged to start their own item-sharing groups modeled after Buy Nothing groups but with fewer restrictions • 如果可以每個區都有自己嘅試點，而且容易接觸、門檻低，好似Oh Yes, It's Free Market咁樣，大家就會容易啲參與(translation: If each district had its own test point that's accessible and low-barrier like Oh Yes, It's Free Market, it would make it much easier for people to take part. • Small, easy-to-carry items with low hygiene risk are okay • 我哋之前都講過，其實呢類計劃可以偏向民間主導，而唔一定要由官方去做 (translation: already mentioned earlier that this could be more of a community-led initiative rather than a government-run one)
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• Consider religion and allergy issues when promoting reuse and sharing programs. • Some condo residents already have informal sharing areas in their lobbies where people leave items they no longer need. This shows there's real community interest in reuse. Metro Vancouver could help formalize and promote these "mini reuse stations" by providing clear guidelines for safety, hygiene, and cleanliness
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION?		In terms of priority: - 2 participants expressed this is high importance - 10 participants expressed this is medium importance - 2 participants expressed this is low importance - 5 participants didn't answer • I've visited several community fridges, and many were either discontinued or in a very messy state. It becomes a problem when these spaces turn into dumping sites

你仲有冇其他關於呢項行動嘅意見想補充？		

Strategy 3.5 Increase access to reuse, refill, and repair 策略 3.5 增加重用、補充及維修嘅可及性 Action ID059: Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups. 行動 ID059：支援學校、非牟利組織及社區團體嘅減廢及重用計劃。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Would it be easier to have these educational booths/ engagement at community events/ fairs/ festivals? •	• 我覺得係好好因為灌輸啲 idea 畀細路會容易過畀大人。喺香港嗰陣，我哋有啲 mascot、有啲好得意嘅公仔會入學校或者去社區探訪，仲會有啲歌，例如「眼闊肚窄呀，唔好你咁嘥呀，唔好曳呀」嗰啲，小朋友聽幾次就記得晒。但我見到呢邊雖然都有好似 Return-It 啲 mascot 咁，但大家都唔知道佢哋係做乜，冇乜性格、冇乜角色，淨係知道佢係個吉祥物，就冇下文。所以我覺得，如果而家現有嘅 mascot 可以畀返佢哋多啲 character、令佢哋有個故事或者功能，會比單純派人落去重複講「recycle、reuse、reduce」有效得多。依家咁樣講太似上堂聽書，聽極都唔入腦。(translation: I think this is great because it's easier to teach children new ideas than adults. Back in Hong Kong, we had mascots, cute characters that would visit schools or communities and they even had songs and jingles, like "don't waste food" or "don't be wasteful." Kids remembered them after hearing them just a few times.

		Here, even though there are mascots like the Return-It one, people don't really know what they do. They don't have much personality or story, people just see them as mascots and that's it. So I think if the existing mascots were given more character or a story, with a clear role or message, it would be much more effective than just sending people to keep repeating "recycle, reuse, reduce." The way it's done now feels too much like a classroom lecture. People hear it, but it doesn't sink in. ● It's very important to teach children to think before buying anything ● Should not be too difficult if the message is tailored to the target audience.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		● Consider how to encourage people, especially children, to truly put these practices into action in their daily lives
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - 11 participants expressed this is high importance - 1 participants expressed this is medium importance - 1 participants expressed this is low importance - 6 participants didn't answer ● Reduce and reuse should be integrated into school life.

Strategy 3.5 Increase access to reuse, refill, and repair 策略 3.5 增加重用、補充及維修嘅可及性 Action ID060: Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction. 行動 ID060：研究設立小型企業資助計劃嘅可行性，協助轉型至重用、補充及減廢模式。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 個困難嘅地方就係，點樣去檢查佢哋係咪真係有持續嘅影響？係咪要定期提交報告去顯示佢哋嘅成效呢？(translation: The challenge is how to check whether they're actually creating ongoing impact. Should there be regular reporting to show their results?) • If resources are being put into a grant and resources are put into enforcement, is this a good direction?	• 其實坊間已經有好多 reuse、refill 同 waste reduction 嘅 program 喺度做緊，但我覺得反而要睇監管方面。因為假設有啲小型機構或者企業攞到基金去做呢啲項目，再用嗰啲資金去擴大規模，咁到最後佢哋係咪真係有成效？係咪真係做到實際嘅改變？定係淨係攞咗啲資金就算？呢個位其實要監察得清楚啲 (translation: There are already many reuse, refill, and waste reduction programs happening in the community, but what we really need to look at is regulation and accountability. For example, if small organizations or businesses receive funding to run these programs and then expand them, are they actually achieving real results in the end? Are they truly creating impact, or just taking the funding without meaningful outcomes? This part needs clearer oversight.) • 其實每一次有呢啲 grant 嘅時候，都應該要有監管作用。但如果要將資源擺喺呢啲 program 上面，係咪真係值得呢？第一，你要撥錢出去畀人攞 grant；第二，你又要再花成本去 review、監察中間啲人做嘅嘢係咪啱。咁樣其實都係一個雙重資源嘅開支。咁呢個方向係咪真係好？我自己都有啲懷疑 (translation: every time there's a grant like this, there should be some form of oversight. But it raises the question, is it really worthwhile to allocate resources this

		way? First, you're spending money to issue the grant; then you also have to spend more resources reviewing and monitoring whether people are doing things properly. That becomes a double cost of resources. So is this really the best approach? I'm a bit skeptical.) ● ● The grant is targeted at small businesses, so it's difficult for consumers to participate. ●
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	● Is relying on economic incentives a truly sustainable way to encourage reuse in the long term?	● It would help if the grant process were simple and accessible, with multilingual support and practical examples showing how other small businesses have successfully reduced waste
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - 0 participants expressed this is high importance - 2 participants expressed this is medium importance - 9 participants expressed this is low importance - 8 participants didn't answer ● Rather than offering grants upfront, it may be more effective to provide incentives or rewards ("carrots") to businesses that have demonstrably increased reuse, refill, or waste reduction ● 關於設立呢個小型企業資助計劃，我自己覺得首先要睇清楚政府想針對邊一類廢物。要先有明確方向，然之後再根據嗰類廢物去設計相應嘅資助方案。例如而家溫哥華都有唔少餐具 reuse 嘅計劃，目的係減少即棄餐具。如果有清晰嘅目標，同時設立一個明確嘅 roadmap 去睇下點樣推到大規模實行，咁其實呢類計劃係好有意義嘅。但如果淨係「呢樣資助少少、嗰樣又資助少少」，冇一個整體目標去針對邊類廢物、邊個解決方案，就好容易出現頭先講嘅問題——例如監管困難、成效唔明顯、成本效益難以估計。

		所以我覺得最重要係，喺決定撥款之前，要衡量清楚呢筆錢係咪真係值得投資落去 (translation: regarding the establishment of this small business funding program, I think the first step is to clearly define which type of waste the government aims to target. There needs to be a clear direction first, and then funding programs should be designed around that specific waste stream.For example, Vancouver already has several reuse initiatives focused on reducing single-use tableware. If there are clear goals and a roadmap outlining how to scale these initiatives, such programs can be very meaningful. But if funding is just scattered here and there without a unified objective without specifying which waste stream or solution it addresses, it easily leads to problems like weak oversight, unclear impact, and poor cost-effectiveness. So I think before allocating funds, it's crucial to carefully assess whether this investment is truly worthwhile.)

THIS MARKS THE END OF THE DISCUSSION

However, participants have added comments to these strategies below that we didn't get a chance to discuss.
Please see the notes below.

Strategy 3.5 Increase access to reuse, refill, and repair
策略 3.5 增加重用、補充及維修嘅可及性

Action ID061: Foster the development of a network that connects independently operated, non profit and community based reuse and repair initiatives.
行動 ID061：推動建立一個網絡，連結獨立營運、非牟利及社區為本嘅重用及維修計劃。

Section	Feedback heard
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Easy, coz the NGO may share the same culture, ppl willing to use/ join • 容易, 集中同一個網站, 令市民知道有咩地方可以回收 (translation: easy, centralize everything on one website so people can quickly see where to recycle) • Making more promotion online on FB/ IG/ TikTok…etc • Social media promotion is important to increase visibility and let more people see recycling information in one place. It helps centralize information whether it's about personal practices or about where recycling locations are. information can be more accessible to everyone
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• Make sure the information is up to date.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	Three people came back to the document to mark this as high priority.

Strategy 3.5 Increase access to reuse, refill, and repair 策略 3.5 增加重用、補充及維修嘅可及性 Action ID086: Work with multi-family buildings to increase donation collection options for reusable streams such as clothing and books. 行動 ID086：與多戶住宅合作，增加衣物、書籍等可重用物品嘅捐贈收集選項。	
Section	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Need to limit the scope to something washable and not too personal • Should be OK if suitable items are clearly defined • 容易, 方便去放置 (translation: it needs to be easy and convenient to drop things off) • Lack of space, how can we store the things? Is it clean? • Ensure sufficient collection points at convenient locations • 多戶住宅定期有動可以放置重用物品嘅捐贈, 需要既人可以直接拿走, 餘下的物品就直接送到二手店 (translation: in multi-unit buildings, there could be regular donation days where people can leave reusable items for others to take, and whatever remains can then be sent to thrift stores)
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• The main difficulty would be storage space and cleanliness. In multi-family buildings, there's often no extra room for donation bins, and residents may worry about hygiene or pests. A clear schedule for pickup and regular cleaning would help.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？	Two people came back to the document to mark this as medium priority. One person came back to the document to mark this as low priority. • People are already dropping off donations at the various thrift stores, maybe there should be leaflets or other form of information to tell people where the nearest thrift stores are. • Metro Vancouver should work with certified donation partners to ensure bins are safe, clean,

Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	and regularly maintained. It's also important to design secure containers that prevent theft or people from climbing inside—since there have been past safety incidents with donation boxes in some cities. Clear labeling and education on acceptable donation items would also help.

Strategy 3.5 Increase access to reuse, refill, and repair
策略 3.5 增加重用、補充及維修嘅可及性

Action ID166: Support increasing the size, number and frequency of repair and reuse events around the region.
行動 ID166：支援擴大區內維修及重用活動嘅規模、數量及頻率。

Section	Feedback heard
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• I really like the idea of community repair workshops. Many people here enjoy DIY, and repair services are expensive. So if local libraries or community centres could host repair cafés, it would encourage reuse and community connection. • Should be OK if locations are convenient • Easy, many cities already have repair cafes that rotate around different neighbourhoods. There should be more of these cafes and the items that can be repaired should be expanded. • More time slots allocated for "popular" repair categories
What should Metro Vancouver consider to support your participation with this action?	• Expand repair cafes, provide opportunities for people to observe and learn, encourage people to volunteer to repair items and pass their knowledge in their own communities.

大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	Six people came back to the document to mark this as high priority.

Strategy 3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices 策略 3.7 鼓勵及嘉許重視重用及補充做法嘅居民和商戶 Action ID076: Provide education for residents on affordable actions they can take to prevent waste through everyday activities. 行動 ID076：為居民提供教育，推廣日常生活中可負擔嘅減廢方法。	
Section	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？	• Probably easy for me to participate, because I think there are actually a lot of people who are interested in preventing waste, they just don't know how to do it • Easy if message is clear and tailored for target audience • relatively easy, as the focus is on sharing practical, low-cost strategies that residents can implement in their daily lives • Deliver these materials through accessible channels • visible motivation, reminders, or reinforcement can help change habits

If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• providing short, visually engaging materials, tips tailored to different household types, and examples of real-life applications. • providing ongoing reinforcement through newsletters or community events to keep waste prevention top of mind.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	Two people came back to the document to mark this as high priority. Two people came back to the document to mark this as medium priority.

Strategy 3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices
策略 3.7 鼓勵及嘉許重視重用及補充做法嘅居民和商戶

Action ID077: Promote bring your own cups and bags and other reusable items, including fun new elements and co-developed messaging that resonates with residents with a diversity of cultures and values.

行動 ID077：推廣自備杯、袋等可重用物品，並加入有趣新元素，與多元文化及價值觀嘅居民共同設計訊息。	
Section	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• I would like to remind Vancouver City had a bring your own cup movement, but it didn't work well • Difficult for shops with high foot traffic. Imagine if the bubble tea shops or coffee shops are already busy enough/ overcapacity, it wouldn't be a practical solution because BYOC would further slow down their operations • Difficult to define "fun new elements" because these could be very subjective. co-developed messaging might not resonate with diverse communities • Easy for those who already have the habit to bring their own cups • 自備杯/餐具可以有折扣, 吸引市民自備重用物品 (translation: offer discounts for bringing your own cup or utensils to encourage people to use reusable items)
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• Besides repair workshops, I think creative upcycling workshops could be great too — for example, inviting local artists or designers to teach people how to turn old materials into something useful or beautiful. It's educational, fun, and promotes sustainability. • Provide more incentives for businesses to promote bringing their own cups/containers/utensils.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	Three people came back to the document to mark this as high priority. One person came back to the document to mark this as medium priority. • There is so much waste in food courts and restaurant take out orders when the containers and utensils are all single use items. There needs to be promotions and incentives for people to bring their containers/utensils.

Strategy 3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices 策略 3.7 鼓勵及嘉許重視重用及補充做法嘅居民和商戶 Action ID078: Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists. 行動 ID078：針對新移民及遊客等對地區減廢做法未必熟悉嘅群體，制定減廢及重用計劃同教育	
Section	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Easy to participate if the programs are accessible, culturally sensitive, and tailored to the knowledge level of newcomers. • Difficult for tourists due to different cultures/ practices. They might not pay attention to these programs or protocols when they are on holiday mood • 製造不同語言的回收單張, 在入境時派發, 在新移民必去的地方派發, 例如:Service Canada Office (translation: create recycling pamphlets in different languages and distribute them at entry points or places where newcomers often go, such as Service Canada offices) • delivered through channels that newcomers and tourists regularly access. From discussion: 針對遊客或者旅客呢個喺後面嘅 ID78 問題，其實佢哋好難知道應該點樣分類或者掠垃圾，我哋自己都未必清楚，因為各個城市嘅分類標準都唔一樣。如果冇一個統一嘅系統，旅客根本唔知道應該點樣處理 (translation: regarding the ID78/ question later on about tourists or travellers, it's difficult for them to know how to sort or dispose of waste. Even we ourselves aren't always sure, since each city has different recycling standards. Without a unified system, visitors have no idea how to handle it)
What should Metro Vancouver consider to support your participation with this action?	•

大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	Three people came back to the document to mark this as high priority. • 本人剛到溫哥華都不知道原來買飲品時所扣的按金是可以從Return-it對換回來, 也是後來從朋友口中得知才知道 (translation: when I first arrived in Vancouver, I didn't know that the deposit charged on drink containers could be refunded at Return-It, I only found out later through a friend) • More signage at the source of potential wastes, e.g. signage at grocery check outs that plastic bags used in packaging can be recycled.

Strategy 3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices 策略 3.7 鼓勵及嘉許重視重用及補充做法嘅居民和商戶 Action ID089: Develop and implement an annual recognition program to celebrate businesses in the region for reuse, refill, and repair programs and initiatives. 行動 ID089：制定並推行年度嘉許計劃，表揚區內推行重用、補充及維修計劃嘅商戶。	
Section	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得	• 有點困難, 要有咩嘉許才能吸引商戶去參與推行? (translation: It's a bit difficult, what kind of recognition or incentive would encourage businesses to take part?) • Should not be too difficult if targeted probably • Recognition programs can motivate businesses to adopt or expand reuse, refill, and repair practices by providing public acknowledgment, enhancing their reputation, and showcasing their sustainability leadership.

自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	● If the program requires an application/ admin/ selection process, it shouldn't be time-consuming, unclear, or requires extensive documentation, as this may disincentivize businesses from participating ● Develop a simple matrix for recognition so it's easy to understand. The criteria should also be widely communicated.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	● celebrate winners through multiple channels, including social media, local news, and at industry events, to maximize visibility and encourage broader adoption of waste reduction practices. ● promoting the program widely through local business associations, chambers of commerce, and media
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	One person came back to the document to mark this as medium priority. Two people came back to the document to mark this as low priority. ● Don't think this is needed. It may be more effective to provide incentives for businesses to have these initiatives.

Notes

Format : Virtual
Session Date: October 13, 2025
# of Participants Registered: 7
# of Actual Participants: 9
# of event promotions: 13 direct invitations

廢物事大: 社區組織／義工專場

Waste Talk: Community + Organizers Session

Strategies: Rethink, Reduce, Reuse, Recycle

策略：重新思考、減少、重用、回收

Strategy 1.2. Support the transition to a more circular regional economy through waste prevention 策略 1.2 透過減廢支援地區經濟向循環經濟轉型 Action ID041: Identify and work with industry event organizers to include circular built environment success stories, communication, and learning sessions that promote waste prevention in their industry communications and learning sessions. 行動 ID041：識別並與行業活動主辦方合作，將循環建築環境成功案例、交流及學習環節納入活動行業交流同學習環節內容中，以及推動減廢嘅資訊同討論。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it?	• 我自己睇呢個方案，係咪好似比較適合大型企業去做？如果我哋係代表一啲	• It's difficult to recycle, reduce, or reuse when it isn't easily accessible. • There also doesn't seem to be a strong initiative encouraging people to go out, listen, or learn about these topics.

如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	活動主辦方，淨係搞啲細型、簡單嘅活動，其實喺環保方面嘅影響力唔算大。要我哋為咗啲物資特登行去搞回收，其實都幾困難 (translation: from what I can see, does this seems more suitable for larger companies? For smaller event organizers like us who just run simple activities, our environmental impact isn't that significant. It's difficult to justify going out of our way just to recycle a small amount of materials)	• Some organizers of large-scale events outsource to waste management companies, so hosting sharing sessions within the waste management industry could be helpful • It might also be difficult if event organizers or companies don't share or prioritize environmental protection values • 我自己如果as一個活動主辦人嘅身份去睇，其實我唔係成日搞活動，所以唔會有好大嘅動力或者 initiative 特登去聽啲做開環保嘅人分享佢哋嘅故事。如果想吸引我呢類人參與，可能可以喺地面或者網上分享佢哋嘅故事或者資源，好似政府講嗰啲例子——例如香港環保署專門推動減廢，或者可以製作宣傳短片，教企業或者活動主辦單位點樣減廢，咁樣會容易啲吸引人參與。但如果要我特登搞個 session，又要參加一個四、七十人嘅活動去聽講座，老實講，個 motivation 真係好低 (translation: from the perspective of an organizer who don't host events very often, I don't have much motivation or initiative to attend sessions where environmental groups share their stories. To engage people like me, maybe those stories or resources could be shared publicly or online, for example, similar to how Hong Kong's Environmental Protection Department promotes waste reduction, or through short videos that teach companies and event organizers practical ways to reduce waste. That kind of approach would be easier to take in and more engaging. But if I have to set aside time to join a separate session or attend a large 40–70 person event just to listen to a talk, honestly, my motivation would be quite low.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• Waste collection currently adds costs for event organizers • Providing case studies, real-life examples, or practical scenarios would help organizers better understand how to take effective actions for waste prevention
How much of a priority is it to you to		In terms of priority:

include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		- 1 participants expressed this is high importance - 7 participants expressed this is medium importance - 1 participants expressed this is low importance - 0 participants didn't answer • 我主要 concern 嘅係嗰個 deposit site 嘅地點同埋處理流程。即係話，嗰啲地點係咪方便？會唔會有啲車可以定時定點嚟收？因為對於主辦單位嚟講，如果要自己處理，其實仲要自己出錢去處理垃圾，咁樣好難做到有效分類。好多時啲機構都冇資金、唔知應該點樣處理，或者根本冇車。好多活動都係平等、簡單為主，但如果仲要開架車去處理垃圾，其實就唔係幾 make sense。 (translation: my concern is mainly about the location of the deposit sites and how the process works. Are these sites convenient? Will there be vehicles doing scheduled pick-ups? For event organizers, it's difficult because they still need to pay to dispose of waste properly. That makes it hard to sort things effectively, especially since many organizations don't have funding, don't know how to handle it, or simply don't have a vehicle. Most events aim to be simple and accessible, but if organizers have to drive somewhere just to manage waste, it doesn't really make sense.)

Strategy 2.2 Support residents adopting waste prevention habits
策略 2.2 支援居民養成減廢習慣

Action ID079: Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
行動 ID079：透過實地考察、動手學習及其他創新教育計劃，加強學校對循環經濟嘅教育。

Section	Questions asked by Participants	Feedback heard
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	•	• 我覺得教育係一個好好嘅推動方法。之前我搞過啲小組，以環保義工嘅身份參與，教啲小朋友了解香港嘅環保回收系統係點樣運作。喺香港嗰陣，我試過特登帶小朋友去唯一嘅造紙回收廠，睇佢哋點樣處理同運作。嗰次我哋就學到，原來啲膠紙要撕開、要分開先可以真係回收到。 我而家喺呢度做回收嘅時候，其實都會好好奇究竟呢度嘅系統係點樣嘅，因為我唔清楚啲交出去嘅回收物最後會點處理。同埋我唔太明白點解要分開「硬膠」同「軟膠」，唔同地方又有唔同嘅分類方法，令我有少少confused。如果我清楚知道呢度嘅回收流程同分類方法，我會更加有動力去做。教育唔一定要靠大人，可以透過教小朋友或者下一代，咁樣推廣會更容易。 • (translation: I think education is a very effective way to promote change. In the past, I organized small groups and, as an environmental volunteer, taught children how Hong Kong's recycling system works. Back then, I even took them to visit Hong Kong's only paper recycling factory to see how it operates. We learned that you have to peel off and separate tape before paper can actually be recycled. But now when I recycle here, I often wonder how the system works because I don't know what happens to the materials after collection. I also don't fully understand why we have to separate "hard plastic" and "soft plastic," or why sorting rules differ across locations, it's a bit confusing.If I understood the recycling process and sorting system better, I'd feel more motivated to do it. Education doesn't have to rely only on adults, teaching children and the next generation can make it easier to spread awareness and build habits.) • 教育係一個好好嘅推動方向，可以畀小朋友參與，同時介紹環保回收系統

		(translation: education is a great way to promote environmental action, involve children and introduce how the recycling system works.) ● 其實就算係大人，都好想知道呢度嘅系統係點樣運作。如果將推廣教育放喺下一代身上，會更加容易傳開去 (translation: even adults are curious about how it operates here, but promoting education through the next generation would be more effective in raising awareness.) ● Relatively easy because field trips, hands-on activities, and interactive modules make learning tangible and engaging for students, which can increase understanding and retention of circular economy principles. ● Providing materials that align with existing curricula and age-appropriate content will help teachers incorporate activities smoothly.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		● 我覺得參觀可以令佢哋親眼睇到嗰樣嘢，會比較實在，亦都可以畀人learning by doing，效果會好啲。(translation: I think site visits let people see things firsthand, it feels more tangible, and learning by doing is a much more effective approach.) ● Collaboration or partnership referral with local recycling facilities, innovation hubs, or environmental organizations would support participation
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - 6 participants expressed this is high importance - 2 participants expressed this is medium importance - 1 participants expressed this is low importance - 0 participants didn't answer ●

Strategy 2.3 Prioritize food waste reduction initiatives 策略 2.3 優先推動減少食物浪費嘅措施 Action ID072: Work with business, industry associations, and non-profits to reduce food waste by improving food purchasing, storage, and preparation methods. 行動 ID072：與企業、行業協會及非牟利組織合作，透過改善食物採購、儲存及準備方式，減少食物浪費。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	•	• Have a more centralized platform that shares where food scraps or nearly expired food can be collected from. This would be especially helpful for event organizers or community groups to gather food for community use or redistribution. • How do we deal with sorting? • 我喺啲 soup kitchen 做義工，有時都會去啲 food bank 拎食物。不過我發覺有少少混亂，食物種類唔一定齊全，每次都有嘅都唔同，分類亦都未必做得好完善。 如果 food bank 成日都有咁多剩餘食物，係咪可以好似香港咁，有啲食堂或者社區廚房用嗰啲剩餘食材再煮？如果唔咁樣處理，啲剩餘食物又可能會變成另一種浪費。唔知喺呢度可唔可以做到類似 food coupon 嗰種形式，等有需要嘅人可以用嚟換取食物？ (translation: I volunteer at soup kitchens and sometimes go to food banks to pick up food. But I've found it a bit disorganized, the types of food aren't always consistent or available every time, and sorting isn't always done properly. If food banks often have a lot of surplus food, maybe there could be community kitchens, like in Hong Kong, that use those leftovers to prepare meals. Otherwise, all

		that extra food could just end up being another form of waste. I also wonder if something like a food coupon system could work here, so people in need could use them to get food.) ● 其實而家都有好多非牟利組織去做呢啲食物回收，然後用比較低嘅價錢畀有需要嘅人去買，好似我而家volunteer緊嘅 Quest都係其中一個例子。但係最麻煩嘅地方就係，冇一個統一嘅機構去整理同統合呢啲資料。如果有需要嘅人想搵呢啲地方，其實佢哋根本唔知道要去邊度睇。就算係有需要嘅人，有時冇車access唔到，如果有幾個固定嘅地點，好似喺溫哥華唔同區都有分店咁樣，咁就會方便access好多。而家就係太分散、冇人統籌，全部靠自己去搵，好混亂又唔集中，令好多人都唔知道應該點樣搵 (translation: There are already many non-profit organizations doing food recovery work, selling surplus food at lower prices to people in need, for example, the NGO “Quest,” where I volunteer, is one of them. But the main problem is that there isn’t a centralized organization to organize and consolidate this information. When people in need want to find these places, they often don’t know where to look. Many don’t have cars, so if there were several fixed locations, like a few sites across different areas, it would make things much more accessible. Right now, everything is too scattered and uncoordinated. People have to search on their own, and it’s very confusing and fragmented, leaving many unsure where to start.) ● 我都同意，因為我發覺喺唔同地區申請服務嘅時候情況都唔一樣。有啲 client 會卡喺中間，基本上申請唔到佢哋需要嘅服務。每個區嘅申請文件都唔同，又要提供唔同嘅證件或者卡，有時啲要求又唔清楚，成個流程都唔太 user-friendly，令到啲人覺得好尷尬，最後就放棄申請。但另一方面，我都有聽過有啲地方只係排隊就可以攞到服務。所

		以要理解到，其實呢啲申請過程入面存在好多barriers，要聽多啲 client 自己嘅經歷先可以知道問題喺邊度。 (translation: I agree with this, because I've noticed that applying for services varies across different regions. Some clients get stuck in the process and basically can't access the services they need. Each area has different application forms and requires different IDs or documents, and sometimes the requirements aren't clear. The whole process isn't very user-friendly, which makes people feel awkward and even give up on applying. On the other hand, I've also heard feedback that in some places, people can just line up to get services. So it's important to recognize that there are many difficulties and barriers in these processes, and to listen to clients' real experiences to understand where the problems are.) ● 我自己本身都喺餐廳工作，喺行業層面其實真係好缺乏相關途徑。因為有時會有啲剩餘食物，但我哋又冇辦法好好善用，最後唯有throw away咗。其實嗰啲食物仲可以食，只係可能放多一兩日就唔得。但如果可以捐畀有需要嘅人會好好多，不過而家我哋根本冇呢個途徑，或者唔知道點樣去做。再加上，如果對餐廳嚟講流程太麻煩，大家都會傾向直接掉咗，冇受到鼓勵去做食物捐贈呢件事 (translation: I work in a restaurant, and at the industry level, there's really a lack of channels for handling surplus food. Sometimes we have leftovers that are still perfectly edible, maybe they just can't be kept for another day or two — but we have no way to make good use of them, so we just throw them away. It would be much better if there were a way to donate them to people in need, but we don't have that kind of channel, nor do we know how to do it. Also, if the process is too complicated for restaurants, most will just choose to throw the food out. There's really no system or incentive that encourages food donation right now.)

What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• More standardization is needed, different organizations or regions have different rules about what items are accepted, shared, or given, which makes participation confusing. • 我識有人喺餐廳做嘢，幾乎每日都聽到佢哋話倒咗好多食物，食唔曬、會到，我聽到都覺得好upset。但係又要理解點解佢哋會倒，因為佢哋真係有個好大嘅顧慮——就係驚啲食物如果送畀人之後，萬一對方食咗有事，好似食物中毒或者有過敏反應，餐廳就要負責。所以如果真係要推行食物回收或者再分配嘅計劃，政府要考慮埋呢啲問題。例如要同餐廳講清楚，食物入面有冇 gluten、有冇致敏成分、點樣標示、點樣分類；同時要有明確指引講明萬一有人食咗出事，邊個要負責。呢個責任問題其實係餐廳最擔心嘅地方，呢啲細節要處理好，先至會有人肯參與 (translation: I know people who work in restaurants, and I hear them say almost every day that they have to throw away a lot of food because it can't all be eaten or kept. It's really upsetting to hear. But I also understand why they have major concerns. If they donate leftover food and someone gets sick or has an allergic reaction, the restaurant could be held responsible. So if a food redistribution program is to be implemented, the government needs to address this issue. There should be clear guidance for restaurants, for example, labelling allergens like gluten, explaining what's in the food, and setting out how to handle and store it safely. There also needs to be clear rules on liability: who's responsible if someone gets sick after eating it? This liability concern is probably what restaurants worry about most, and it needs to be resolved before they'll feel comfortable participating.)
How much of a priority is it to you to include this action in the draft solid		In terms of priority: - 9 participants expressed this is high importance

waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		- 0 participants expressed this is medium importance - 0 participants expressed this is low importance - 0 participants didn't answer

Strategy 3.4 Work with event organizers, business, and institutions to increase reuse 策略 3.4 與活動主辦方、企業及機構合作，加強重用 Action ID050: Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery. 行動 ID050：與活動主辦方、活動場地、學校及大學合作，推行可重用餐具、購物袋重用計劃及食物回收。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier?	•	• It could be difficult due to logistical challenges, such as sourcing reusable items, managing washing and storage, and ensuring food safety during recovery efforts. • 我覺得市面上其實已經有好多重用餐具或者購物袋嘅計劃，例如大統華都有自己嘅購物袋。不過我覺得呢啲計劃未必咁有用，因為而家好多人用嗰啲不織布袋（所謂環保袋）已經氾濫到一個地步，基本上當普通膠袋咁用，用完就掉。其實用不織布袋用嘅膠仲可能多過普通膠袋。如果要推動減廢，應該係唔好再派，鼓勵大家自己帶。我見到而家大部分人其實都會自己帶，所以情況比香港冇咁緊張

如果覺得困難，有乜嘢可以令你參與得更加容易？		(translation: I think there are already many reusable container or shopping bag programs on the market, for example, T&T Supermarket has its own reusable bags. But I don't think these programs are that effective anymore, because the use of non-woven "eco bags" has become so widespread that people treat them like regular plastic bags, using them once and throwing them away. In fact, producing non-woven bags might even use more plastic than regular ones.) ● 另外，我都想講講我喺餐廳工作嘅經驗。有時客人買外賣，餐廳見佢冇袋，通常都會諗：「唔如我直頭畀個膠袋佢啦，包得穩陣啲，方便啲。」但係呢個又變成另一個問題，令膠袋使用變得氾濫。(translation: Also, from my experience working in restaurants, when customers order takeout, if they don't bring a bag, restaurants often think, "It's easier if I just give them a plastic bag so I can pack it properly." But that convenience adds to the same problem: the overuse of plastic bags.) ● It's difficult for restaurants to use customer-supplied bags for takeout because of hygiene concerns. ● A "bag reuse program" could help, allowing people to borrow a bag if they forget theirs, instead of buying another reusable one. ● Post-pandemic hygiene is still a major concern, and it's not easy for restaurants to reuse or accept customer-brought food ware safely. ● 如果啲客人自己拎袋或者 container 嚟裝食物，我哋都會擔心，萬一我哋將食物擺咗入去之後出咗事，究竟關唔關我哋事呢？再加上，有啲客人自己帶嘅 container 本身可能已經唔乾淨，咁樣就會有衞生同責任上嘅問題。所以好多餐廳都未必咁 prefer 接受客人自備容器，始終要考慮到安全同埋責任問題。(translation: If customers bring their own bags or containers, we're not sure whether we'd be held responsible if something went wrong after we put the food in. Some of their containers might not even be clean to begin with, so there are hygiene and liability concerns.

		Because of that, many restaurants may not prefer or feel comfortable accepting customer-supplied containers, it's mainly about safety and responsibility.)
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	會唔會係餐廳都會擔心啲客人打爛、整壞或者弄損 or take away 啲可重用嘅餐具呢？ (translation: maybe restaurants are also worried that customers might break, damage, or even take away the reusable tableware?)	● Metro Vancouver could support the creation of organizations or programs that let event organizers and restaurants borrow reusable food ware, with simple collection and cleaning services. ● It's hard for organizers to prepare large amounts of reusable ware on their own, and renting them adds extra costs, this is why many end up using single-use or recyclable options. ● 我以前喺大陸食嘢嘅時候，見到有啲公司為咗方便唔想自己洗碗，就會有租借公司提供一 set set 嘅餐具，擺喺你面前用，食完之後佢哋會嚟收返。咁樣真係好方便又容易做到重用。唔知道呢個模式喺呢度可唔可以行得通。 (When I used to dine out in China, some restaurants didn't want to wash dishes themselves, so there were rental companies that provided full sets of tableware, they'd place them in front of you and collect them after you finished eating. It was really convenient and made reuse easy. I wonder if that kind of model could work here.) ● Having a centralized program or organization that provides reusable ware and manages logistics would help. Food courts could be a good starting point for such a program. ● Provide clear operational guidelines, build partnerships with reusable ware suppliers, and improve access to food recovery networks.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？		In terms of priority: - 3 participants expressed this is high importance - 5 participants expressed this is medium importance - 0 participants expressed this is low importance - 0 participants didn't answer

Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		

Strategy 3.4 Work with event organizers, business, and institutions to increase reuse 策略 3.4 與活動主辦方、企業及機構合作，加強重用 Action ID053: Co-develop measures to improve the reuse experience for consumers with national plastics waste reduction organizations and retailers. 行動 ID053：與全國性塑膠減廢組織及零售商共同制定措施，改善消費者重用體驗。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 呢度係咪指搵零售商去幫客人減少廢物? (translation: do you mean getting retailers involved to help customers reduce waste?)	• It's good if it's actually getting retailers to talk with waste reduction organizers to create solutions • It depends, experience is largely correlated with the "cost" and accessibility to consumers. • 我哋頭先講 food court 嗰部分其實都好適用喺呢度。如果環保或者減廢組織可以同啲零售商、food court 合作，去傾下點樣減少即棄餐具，其實係一個好好嘅方向。而家好多時候都係好被動，我哋只係揀到乜就用乜。如果有啲主動嘅措施，例如你自備飯盒可以慳返一蚊，咁就會有誘因，啲人就真係會諗唔好用即棄餐具，自己帶。所以我覺得呢個位可以由啲減廢組織去同零售商傾，去搵合作空間。 (translation: What we discussed earlier about food courts also applies here. If environmental or waste reduction

		organizations could collaborate with retailers and food courts to discuss ways to reduce single-use tableware, that would be a great direction.Right now, people are quite reactive, they just use whatever is available. But if there were proactive measures, like offering a small discount (say $1) for bringing your own container, it would really encourage people to stop using disposable ware and bring their own instead.So I think this is an area where waste reduction groups could engage with retailers to explore collaboration and make progress together.) ● Policies and measures need to be genuinely effective, otherwise, they may lead to unintended side effects, like what happened with reusable bags. It's important to evaluate whether these actions truly reduce waste or simply shift the problem elsewhere. ● Could be difficult if the retailers are not grounded in shared goals or if if stakeholders have differing priorities ● Provinces have different limitations, constraints, or cultural practices so developing measures in national level might not be practical ● Start with regional or provincial pilot programs before scaling up to the national level, especially when there are still many uncertainties. This allows for testing, learning, and adjusting policies to ensure effectiveness before wider implementation.
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		● 其實我都諗緊，如果好似我咁，啱啱過嚟、手頭唔太寬裕、又冇車、屬於比較對價格敏感（cost-conscious）嘅消費者，咁成個體驗好大程度上都會受到價錢同埋便利程度影響。例如回收點多唔多、交通方便唔方便、或者係咪要額外畀錢去做環保——呢啲都會影響我哋嘅選擇。有時環保反而變得貴咗，例如要畀幾蚊買個不織布袋，咁呢啲成本對某啲人嚟講都係負擔，會令佢哋卻步。 (translation: I've been thinking that for people like me: newcomers with limited income, no car, and who are

		more cost-conscious, the experience really depends on both price and accessibility. Things like how many recycling points there are, how convenient they are to reach, and whether there are extra costs associated with being environmentally friendly all matter. Sometimes sustainability ends up being more expensive, for example, having to pay a few dollars for a non-woven reusable bag. For people watching their budgets, those small costs can add up and discourage participation.) ● 政府都係一樣嘅，例如喺溫哥華，如果要攞一個袋，政府有立例規定一定要向客人收費。如果唔收錢就係犯法。佢哋仲會規定個袋要可以重用到一百次嗰啲先合格，呢啲袋通常要收一蚊。但問題係，就算你收咗個袋費，之後嗰啲袋去咗邊、點處理，其實都唔清楚；而如果唔收錢，又會犯法。咁變相好似唔係真係支持環保，而係變成一個規條。而且呢啲袋本身都唔平，成件事反而令消費者覺得環保變咗一種額外開支。對餐廳嚟講，要用「環保」物料或者工具都好難避開加價呢個問題。我諗有冇可能好似香港咁，例如香港大家樂會收一兩蚊畀客人買一套餐具，客人可以拎走再重用？呢個做法會唔會喺呢度都行得通？)(translation: The government is the same, for example, in Vancouver, there's a bylaw requiring businesses to charge customers for bags. If they don't, it's actually illegal. The rule even specifies that the bags must be durable enough for around 100 reuses, and those usually cost about a dollar. But even when you charge for the bag, it's not clear what happens afterward, where those bags go or how they're used. On the other hand, if you don't charge, the business is breaking the law. So it feels less like a genuine environmental effort and more like a regulation to follow. These bags aren't cheap either, so for consumers, it ends up making "being eco-friendly" feel like an extra cost. For restaurants, it's also hard to avoid raising prices when switching to "eco" materials or

		utensils.Maybe there's another approach,like in Hong Kong, where some restaurants such as Café de Coral charge one or two dollars for a reusable cutlery set that customers can take away and use again. Could something like that work here?) ● It's important to engage corporations and retailers to integrate these initiatives, making them readily and commercially available for consumers to participate in. ● Establish clear communication channels, pilot programs, and shared success metrics among partners to ensure the solutions are practical and meet real community needs.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - 2 participants expressed this is high importance - 5 participants expressed this is medium importance - 0 participants expressed this is low importance - 2 participants didn't answer ● 又有個香港嘅例子，就係喺香港有啲地方係可以免費斟水嘅。我諗，如果呢度都可以同一啲企業或者零售地點合作，喺啲地方擺水機，等人經過嘅時候可以斟水——例如去買運動用品嗰啲位，都可以順便 refill 水樽——其實咁樣都係一種推廣環保同埋改善場地體驗嘅方法。 (translation: there's another example from Hong Kong where in some places, people can refill their water bottles for free. I think if we could partner with certain companies or retail locations here to set up water refill stations, people could easily refill when they pass by, for example, at sports stores. It's not just about promoting sustainability, but also about improving the overall customer experience in those spaces.)

Strategy 3.4 Work with event organizers, business, and institutions to increase reuse 策略 3.4 與活動主辦方、企業及機構合作，加強重用 Action ID054: Evaluate the feasibility of a 'reuse mall' model. 行動 ID054：評估「重用商場」模式嘅可行性。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 可唔可以講下乜嘢係重用商場? (translation: Can you explain what a "reuse mall" is?) • 同value-village 有冇分別？ • Is it like a buy-nothing?	• If it's at the initial evaluation stage, participation would be easy since it mainly involves consultations and analysis. However, moving from concept to implementation would be much more difficult due to real-world challenges, such as finding suitable locations with steady foot traffic and coordinating among diverse tenants with different business models and priorities • A recycling depot open day could follow a similar concept, combining repair services with education on recycling and sorting. However, it might be missing the "buy" or exchange component that encourages reuse and circular participation. • 維修家電方面比較重要囉，喺溫哥華比較少見到。 (translation: repairing household appliances is more important, it's something we don't see very often in Vancouver) • 我好同意呢個可以交換 skill set 嘅想法，但唔知道點樣可以 connect 到呢啲人。 (translation: I really agree with this idea of exchanging skill sets, but I'm not sure how people can actually connect with each other.) • Don't know how to connect these people in the community? • Provide solutions for transportation, storage, and other logistical challenges related to item movement • Start with a small-scale pilot or pop-up version to test community interest and operational logistics before

		committing to a long-term reuse mall or permanent facility
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• Offer incentives for the public to buy second-hand products in the “reuse mall” — ensuring prices remain reasonable and not overpriced. • It’s also important to evaluate public perception of the idea, since long-term success depends on strong community interest and ongoing participation. • 其實都有啲朋友佢哋可能係好緊急咁樣去搵傢俬呀，搵一啲真係二手嘅嘢。我覺得係有呢個市場同需要嘅，但係而家啲二手市場都唔係好理想。Facebook Marketplace 唔係好如意，Little Star 都唔平，Fellow 都好貴。最麻煩係運送問題，好擔心我要賣張梳化，仲要搵人幫我搬出去，好貴。啲櫃都係一樣，要點樣搬、點樣搵人？所以要搞呢啲 reuse 嘅話，storage 同 logistics 都係要諗清楚。(translation: some of my friends often need to find furniture urgently, like second-hand pieces, so I think there’s definitely a market and a need for it. But the current second-hand market isn’t ideal,Facebook Marketplace doesn’t always work well, Little Star isn’t cheap, and even Fellow is expensive. The biggest problem is transportation. If I want to sell a sofa, I still need to find someone to help move it out, which costs a lot. Same with cabinets, how do you move them, how do you find people to help? So if we really want to promote reuse, we need to think carefully about storage and logistics.)
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you’d like to		In terms of priority: - 0 participants expressed this is high importance - 3 participants expressed this is medium importance - 4 participants expressed this is low importance - 2 participants didn’t answer • There is a market for this, but even value village/ thrift

add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		needs to overprice things to be operationally sustainable. • 可以講一個小小嘅 idea——香港以前喺灣仔嗰度有一個「時分券」嘅計劃。即係除咗畀舊物回收之外，仲係畀人嘅 talent 去互相 support。譬如話我啲衣車壞咗我唔識整，但可能有個人識整；而我識通渠，佢又唔識。咁我幫佢通渠，佢幫我整衣車。呢啲計劃就係透過大家交換自己叻嘅地方去互相幫助，令到整個系統更加 sustainable。我覺得呢個 idea 係非常之好，不知呢度會唔會都可以有類似嘅計劃。 I have a small idea: in the past, there was a "time voucher" program in Wan Chai, Hong Kong. Besides recycling old items, it also encouraged people to support each other through their talents. For example, if my sewing machine breaks and I don't know how to fix it, maybe someone else does. And if I know how to unclog drains, I can help them in return. These kinds of programs let people exchange their skills and help each other, making the system more sustainable. I think it's a really good idea, maybe something like this could be done here too.

Strategy 3.4 Work with event organizers, business, and institutions to increase reuse 策略 3.4 與活動主辦方、企業及機構合作，加強重用 Action ID055: Evaluate the feasibility of a regional-scale reusable food service ware system. 行動 ID055：評估地區層面可重用餐具系統嘅可行性。		
Section	**Questions asked by Participants**	**Feedback heard**

If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 唔係好明呢個係乜system (translation: I'm not really sure what kind of system this is) • Isn't this hard for national food chains to adopt? • This is a bit confusing, isn't there a lot of different rules for each municipality?	• If you talk about the initial evaluation stage, it would be easy because it's mainly consultations and analysis. However, coordination among municipalities, vendors, and washing facilities may be complex. It will also be difficult if data on current waste streams, usage patterns, and logistics are limited. • It's hard to see this being feasible, is it meant to be a service, a system that organizations must follow, or just a set of guidelines? If it's only guidelines, it will be very difficult to implement effectively. • 真係好難，商戶嗰邊會比較難。佢哋要點樣統合曬呢件事，我真係想像唔到。 (translation: It's really difficult, it would be especially hard for businesses. I can't imagine how they could coordinate and manage all of this.) • 如果真係一個活動係一次性嘅，所有可重用餐具都畀曬參加者用，之後再全部攞返嚟洗嘅話，呢個 system 可能會可行囉。 (translation: If it's a one-time event where all the reusable food is given to participants to use and then collected afterward for washing, this kind of system might actually be feasible.)
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• Engage subject matter experts and key stakeholders including local governments, food vendors, and businesses managing washing and storage to co-design practical models and share data. • Conduct case studies from other cities or countries that have implemented similar systems to guide design and build confidence in long-term sustainability
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？		In terms of priority: - 0 participants expressed this is high importance - 3 participants expressed this is medium importance - 4 participants expressed this is low importance - 2 participants didn't answer

Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		• Reallocate resources to evaluate the feasibility of other actions

Strategy 3.4 Work with event organizers, business, and institutions to increase reuse 策略 3.4 與活動主辦方、企業及機構合作，加強重用 Action ID056: Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region. 行動 ID056：繼續擴展大溫回收及廢物設施內嘅重用物品收集點。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• 而家天車站有冇回收設施？如果可以喺 SkyTrain 站內設回收點，其實會好方便。 (translation: are there any recycling facilities at SkyTrain stations right now? It would actually be great if recycling points could be set up inside the stations.) • 我想問點解唔可以好似香港嗰啲「綠在區區」咁樣	• Easy to participate, scaling up and expanding reuse drop-off locations builds on existing infrastructure and habits around visiting recycling and waste centres. • 我覺得而家啲回收站真係好遠、好難去，要有車先至去到。如果普通人冇車，其實好難參與。可以諗下點樣擴充，例如同啲超市合作，喺啲大型連鎖店（好似 Walmart、Superstore）設置收集點，會方便好多。(translation: I think the current recycling stations are too far away and hard to access, you basically need a car to get there. For regular people without cars, it's very difficult. Metro Vancouver could expand access by partnering with supermarkets or big retail stores like Walmart or Superstore to add collection points, that would make it much easier.) • Locations needs to be more convenient/ higher traffic area

	，市民拎嘢去回收可以儲分，之後換禮品？呢個 model 都幾好，可以考慮參考下，點解我哋冇呢啲咁樣嘅制度？ (translation: I'm wondering why we don't have something like Hong Kong's "Green Community" system, where people can take items to recycle, earn points, and redeem rewards. That model seems very effective,why don't we have something like that here?)	•
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• Make depots more accessible and standardized. Partner with supermarkets/ mall/ high traffic areas like transit • Provide support for non-profit recycling organisations to secure accessible locations at affordable cost • 我覺得呢度啲回收站環境真係幾差，好臭。好多人都冇清洗乾淨啲回收物，所以成日有異味。咁樣真係冇乜人有動力去。而且唔係每個回收站都收曬所有嘢，有啲只收膠樽，有啲又要去第二度先收電子產品，真係超唔方便、超唔 user-friendly。咁樣啲人自然就唔想再做落去囉。 (translation: I think the recycling depots here are in pretty poor condition — they often smell bad because many people don't rinse their recyclables properly. The odour makes it unpleasant and discourages people from going. On top of that, not every depot accepts all types of materials. Some only take bottles, while others require you to go elsewhere for electronics. It's extremely

		inconvenient and not user-friendly, so many people just give up on recycling altogether.)
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？	• 點解喺交通工具、天車站、或者公交站都冇呢啲回收措施呢？ (translation: why aren't there any recycling measures at transportation hubs, like SkyTrain stations or bus stops?)	In terms of priority: - 5 participants expressed this is high importance - 1 participants expressed this is medium importance - 0 participants expressed this is low importance - 3 participants didn't answer •

Strategy 4.1. Promote design for recyclability and the use of recycled content in products and packaging 策略 4.1 推廣產品及包裝設計可回收化，以及使用再造物料 Action ID112: Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products. 行動 ID112：加強與省政府、行業、學術界及社區團體嘅合作，研究並制定方案，以克服重用及回收嘅障礙，並探索將再造物料納入新產品嘅機會。		
Section	**Questions asked by Participants**	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate	• 佢哋係咪想搵啲 partner 出去，去了解或者揭示下啲 field service 要面對嘅	• 好多時候投放咗好多錢同人力去做 research，但最後點樣將啲 research 應用喺實際政策上，或者真係落地去執行，

in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	挑戰，或者啲 fair、event organization 會遇到嘅問題？係咪真係咁樣嘅意思？ (translation: are they trying to find partners to help uncover or understand the challenges faced by field services, fairs, or event organizers? Is that what this is actually about?) ● 佢係咪講緊一啲回收之後升級再造成嘅產品呀？呢個係乜嘢嚟㗎？係咪真係會變成波鞋或者其他產品嗰啲咁樣嘅嘢？ (translation: Is it talking about products that are made from recycled and upcycled materials? What exactly does that mean does it actually turn into things like sneakers or other kinds of products?)	其實大家都唔係好清楚。老實講，我都唔太知道佢哋做緊乜嘢研究。反而我覺得，如果佢哋花咁多時間去做研究，不如將啲資源擺去推廣同宣傳，因為問題唔一定係大家唔知，而係做唔到、未做到、或者唔知道去邊度搵資料、唔方便去做 (translation: a lot of money and resources are spent on research, but it's unclear how those findings are actually applied to policy or put into action. Honestly, I don't even really know what kind of research they're doing. I think instead of spending so much time on studies, more effort should go into public promotion and outreach. The problem isn't always that people don't know, sometimes it's that they can't do it, haven't done it yet, or simply don't know where to find the information or how to access it easily.) ● 我覺得呢條問題有啲太過 general，因為佢又冇講清楚係想處理啲乜嘢障礙。所以大家面對呢條題目嘅時候都唔太知道可以講乜。最大嘅問題就係個問題本身太過概括，冇講明究竟係邊一類障礙。 (translation: think this question is too general because it doesn't clearly specify what kinds of barriers it's referring to. So when people were responding, they didn't really know what to talk about. The main issue is that the question itself is too broad and doesn't define what kind of barriers it means.) ● This action is too general because it's just researching the barriers, but not actually solving the barriers? ● Easy to participate if there is an established network. Collaboration with the provincial government, industry, academia, and community groups can pool expertise, funding, and networks, making research and solution development more efficient and impactful. ● Ensure the priorities among stakeholders are aligned and bureaucratic processes do not slow decision-making

What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？		• establishing formal partnership agreements, defined project scopes, and regular coordination meetings. • Creating working groups focused on specific barriers so different discussions/ R&D can happen simultaneously • Crowdsourcing ideas from schools and communities via
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處理計劃》有幾重要？ Is there anything else you'd like to add to the conversation on this ACTION? 你仲有冇其他關於呢項行動嘅意見想補充？		In terms of priority: - 4 participants expressed this is high importance - 2 participants expressed this is medium importance - 3 participants expressed this is low importance - 0 participants didn't answer • 我想講，其實都要考慮一樣幾重要嘅嘢，就係所有回收或者可重用物料都會涉及成本。好多時候零售商用呢啲物料嘅成本可能會高咗好多，如果真係高得太多，其實會令佢哋冇乜動力去做。所以要搵返個平衡點囉。 (translation: I think it's important to consider the cost factor, using recycled or reusable materials often increases expenses. If retailers end up bearing much higher costs, it can really discourage them from participating. So there needs to be a balance.) • 我唔明點解啲嘢可以差咁遠，譬如每個城市用唔用可堆肥膠袋都唔一樣，真係好混亂。 (translation: I don't understand why things are so different everywhere. For example, even something as simple as whether compostable bags are accepted varies between cities, and it's really confusing.)

THIS MARKS THE END OF THE DISCUSSION

However, participants have added comments to this last question that we didn't get a chance to discuss.

Please see the notes below.

Strategy 3.4 Work with event organizers, business, and institutions to increase reuse 策略 3.4 與活動主辦方、企業及機構合作，加強重用 Action ID165: Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction. 行動 ID165：制定地區性活動方案，優先考慮剩餘食物再分配、可重用餐具及減少垃圾。	
Section	**Feedback heard**
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? 如果大溫地區喺更新嘅《固體廢物處理計劃》入面加入呢項行動，你覺得自己參與起嚟會容易定困難？ If difficult, what would make your participation easier? 如果覺得困難，有乜嘢可以令你參與得更加容易？	• Difficult. Each event is different, so it's hard to develop a one-size-fits-all approach. Costs, storage, and staff training could also pose barriers. Focusing on educating organizers to assess and prepare the right amount of food to reduce food waste is more important than finding solutions to resolve and redistribute food surplus. • provide toolkits, templates, and contact lists for food recovery organizations, reusable ware vendors, and waste management support. • Training sessions or workshops for event staff could also improve compliance
What should Metro Vancouver consider to support your participation with this action? 大溫地區應該考慮啲乜嘢去支援你參與呢項行動？	• Subsidized program or funding support to offset the increased costs of waste prevention.
How much of a priority is it to you to include this action in the draft solid waste management plan? 你覺得將呢項行動納入《固體廢物處	Workshop ended so folks weren't able to comment on this question

Activity:	
Activity Date	September 27, 2025
Organization/group name	LEPS
Time/Duration	10:00am-2:00pm
Location	Derek Doubleday Arboretum
Format	Digital Survey
# of Participants	5
Strategies and Actions Discussed	Participate in Metro Vancouver Solid Waste Management Plan Update

Activity:	
Activity Date	October 2, 2025
Organization/group name	LEPS
Time/Duration	7:00-9:00
Location	Film Screening – Just Eat It – Food Waste Story
Format	Digital Survey
# of Participants	~5
Strategies and Actions Discussed	Participate in Metro Vancouver Solid Waste Management Plan Update

Activity:	
Activity Date	October 4, 2025
Organization/group name	LEPS
Time/Duration	10:00-2:00pm
Location	Repair Cafe
Format	Digital Survey
# of Participants	~12
Strategies and Actions Discussed	Participate in Metro Vancouver Solid Waste Management Plan Update

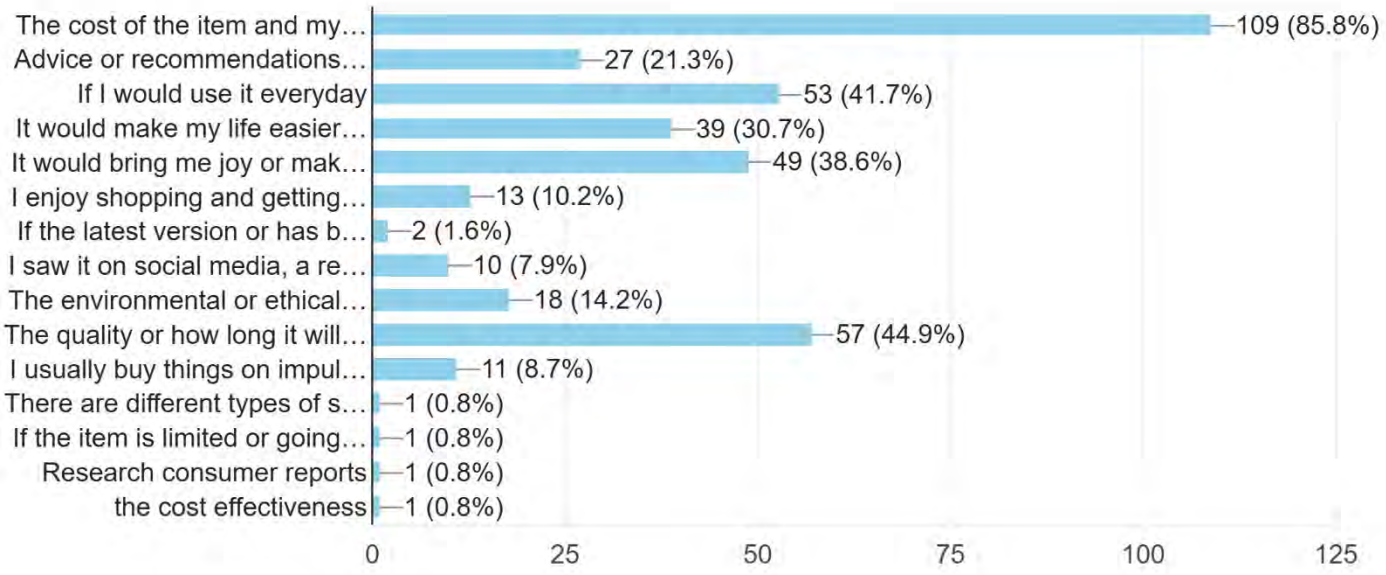
Activity:	
Activity Date	October 5-10, 2025
Organization/group name	LEPS
Time/Duration	School hours
Location	Walnut Grove Secondary School
Format	Digital/Paper Survey
# of Participants	~80
Strategies and Actions Discussed	Participate in Metro Vancouver Solid Waste Management Plan Update

Activity:	
Activity Date	October, 2025
Organization/group name	LEPS
Time/Duration	All day
Location	Anywhere/Langley
Format	Digital Survey
# of Participants	~20 from Community Members, Stewardship Groups
Strategies and Actions Discussed	Participate in Metro Vancouver Solid Waste Management Plan Update

Metro Vancouver Solid Waste Update – Langley Environmental Partners Society
Questionnaire Results

Question 1. How do you decide what you really need before buying something? [Please select your top three considerations]

127 responses



Question 2.
Is there anything else that is not listed above that's important to you when deciding if you need something? [open answer]

57 responses

no

No

not particularly

the social impact

if it wouldn't be useful long term

how often I would use it

Weight and storage for the item

the brand it is reliable

if I've waiting it for awhile

I'll buy things as gifts or mementos to feel closer to people. I'll buy things to make other things. I'll buy old/vintage things because they're cool and I want to save them

Weighing of want vs need depending on the otem

I need to be able to use it because I personally need it, not just because some else told me to

Less or no plastic and forever chemicals

If you need it (don't buy if you don't need it)

I prefer to buy used items on marketplace or thrift stores

The environmental and ethical impact of the item, if it would make my life easier/convenient, and if it would bring me joy or make me feel good

If it is something I need for a certain thing

If I am out of the object and need more

I just buy stuff when I need it and it will be useful

If it is food whether it's healthy or not

If I buy one, I have to give away one which I already had. I rethink about the worth of a new item. Is it worth to replace mine?

I ask myself..... do I really need it.

N/a

If I already have something or not

Giving it to someone knowing they will enjoy it.

Whether I have something already that does the same purpose.

How I will dispose of it when it expires or is used up.

Whether it meets my unique personal needs that are not covered by the above facts

depend if it's a big purchase or not

If it is urgent and I need it spontaneously

Is it worth my money? Do I really want it or do I just want to purchase an item

n/a

Maybe I really like it

none

If I am giving it to people/friends - I would be more willing to spend money on my friends that myself

how much money I have that I'm willing to spend. And if I really want it or if I just saw it.

If it is replacing something that is worn out or has failed.

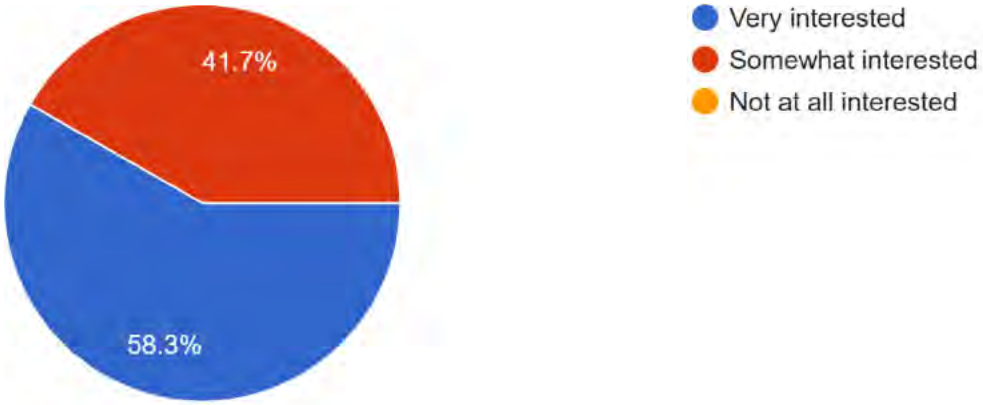
Design

How much I would use it.

Is it a need or a want / will I be happy with the purchase

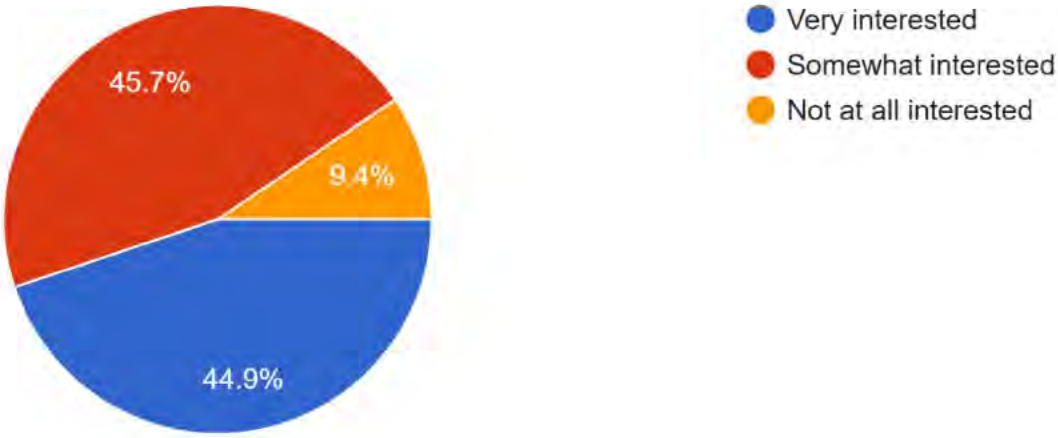
Question 3. How interested are you in learning about the following? (Very interested, Somewhat interested, Not at all interested) Choosing better quality items that last longer

127 responses



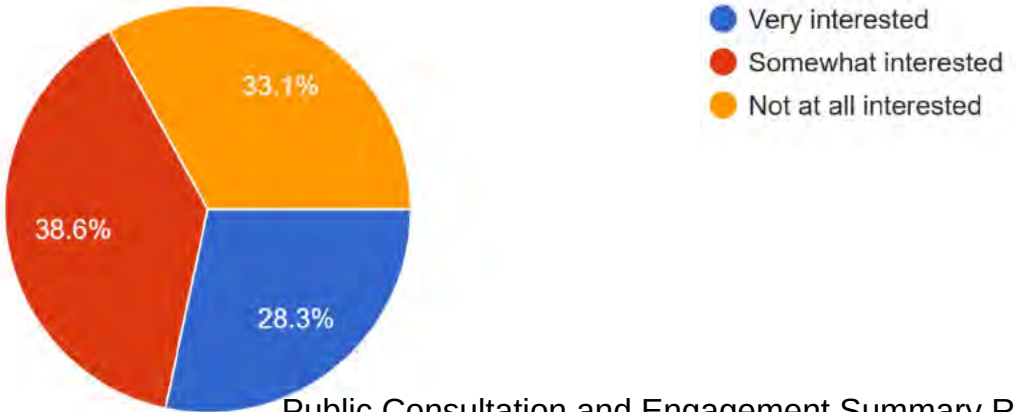
Using reusable items (bags, bottles, cups, containers, cutlery, etc.)

127 responses



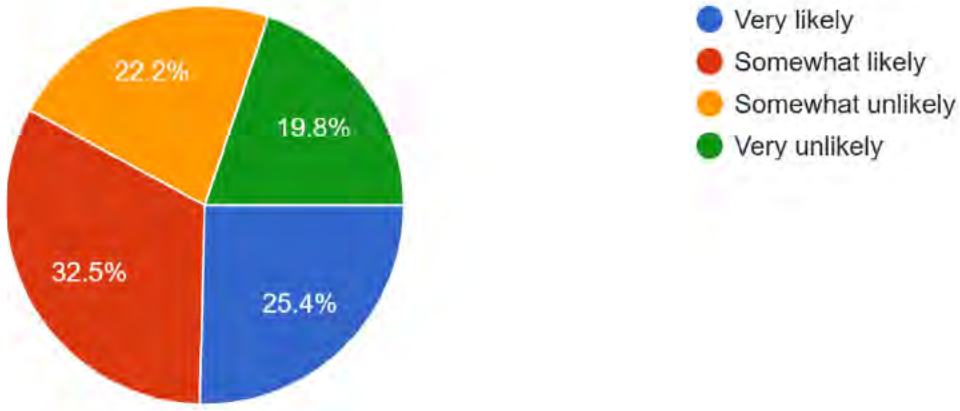
Going to repair events to fix broken items

127 responses



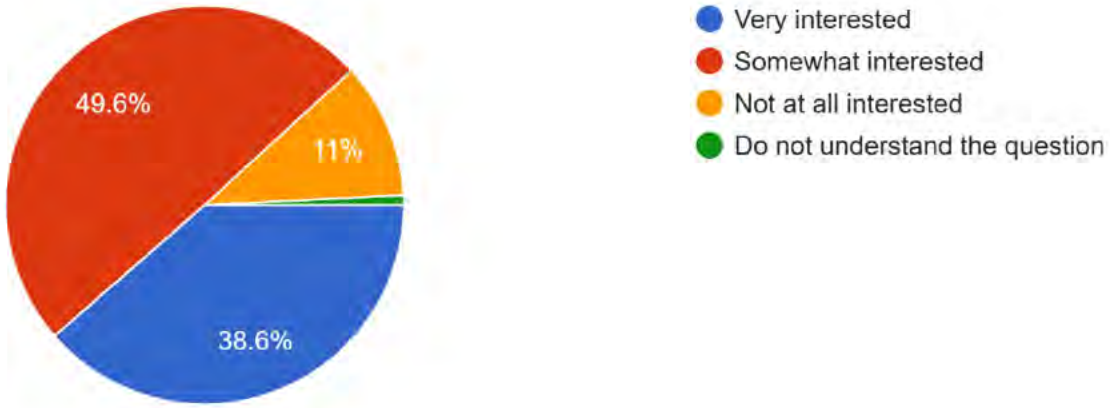
Taking worn clothing for repair or learning to repair them myself

126 responses



Gifting experiences instead of items

127 responses



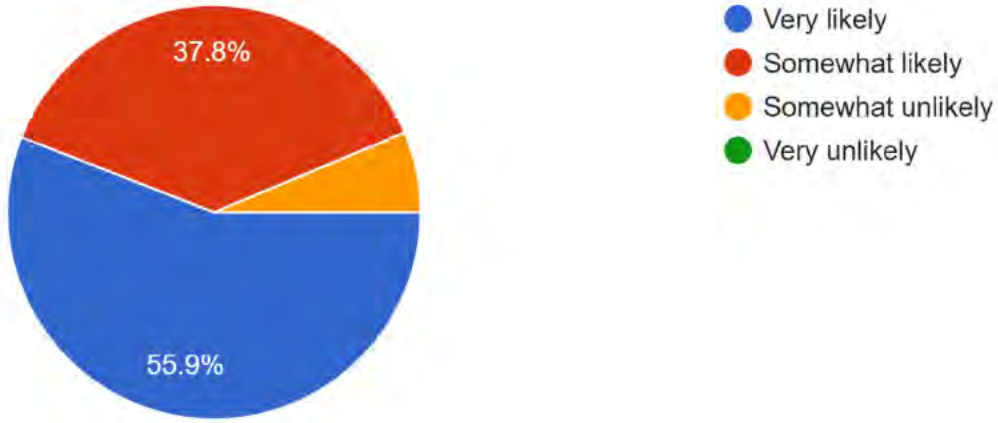
Question 4. How likely are you to try the following in the next year? (Very likely, Somewhat likely, Somewhat unlikely, Very unlikely) Buying fewer things or mindful buying

127 responses



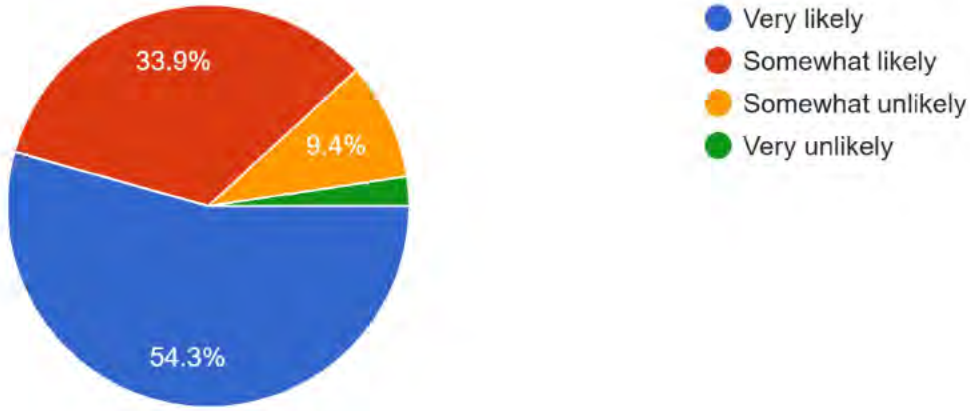
Choosing better quality items that last longer

127 responses



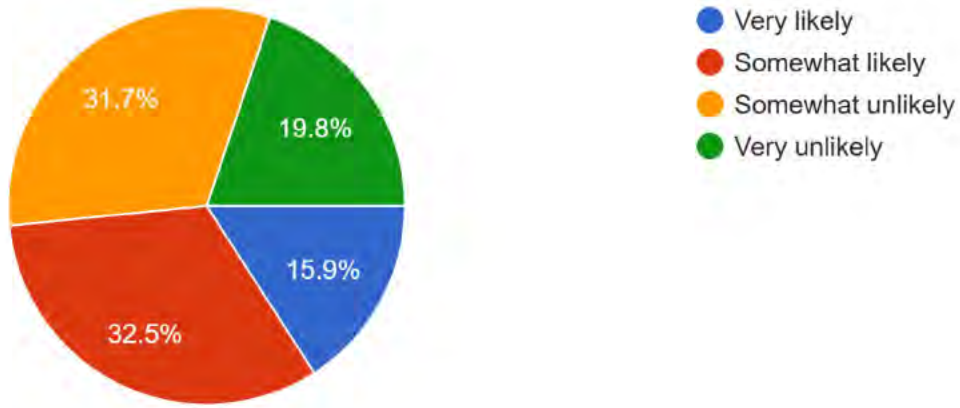
Using reusable items (bags, bottles, cups, containers, cutlery, etc.)

127 responses



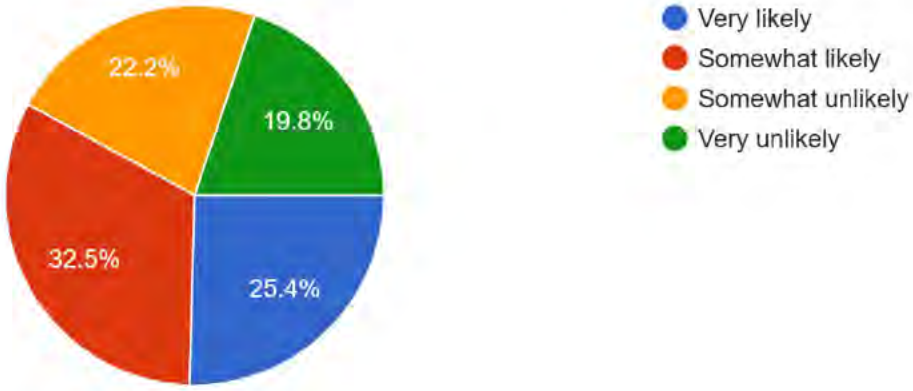
Going to repair events to fix broken items

126 responses



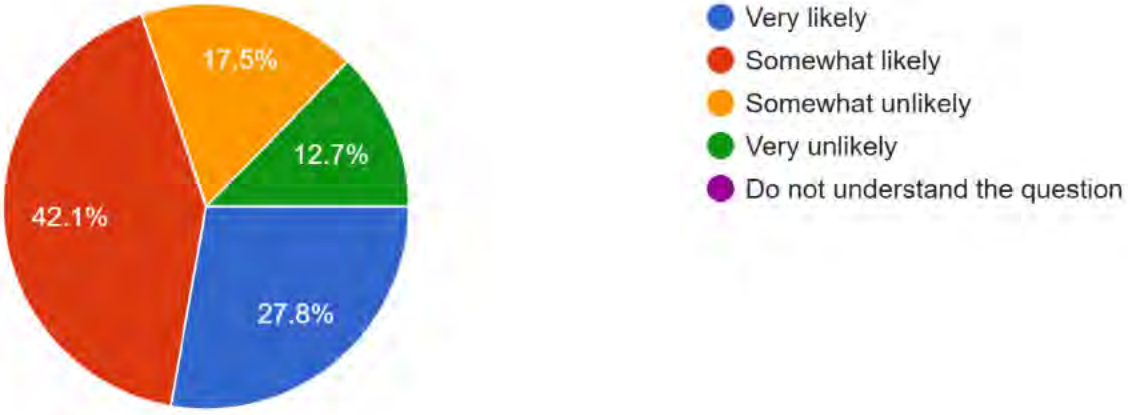
Taking worn clothing for repair or learning to repair them myself

126 responses



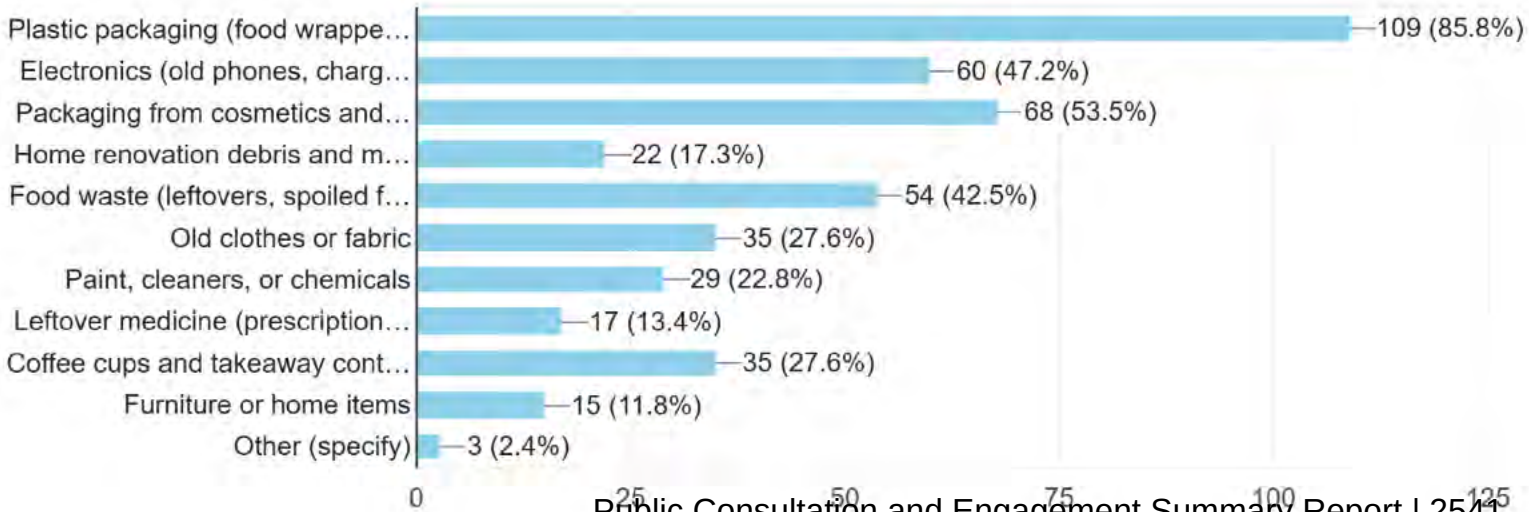
Gifting experiences instead of items

126 responses



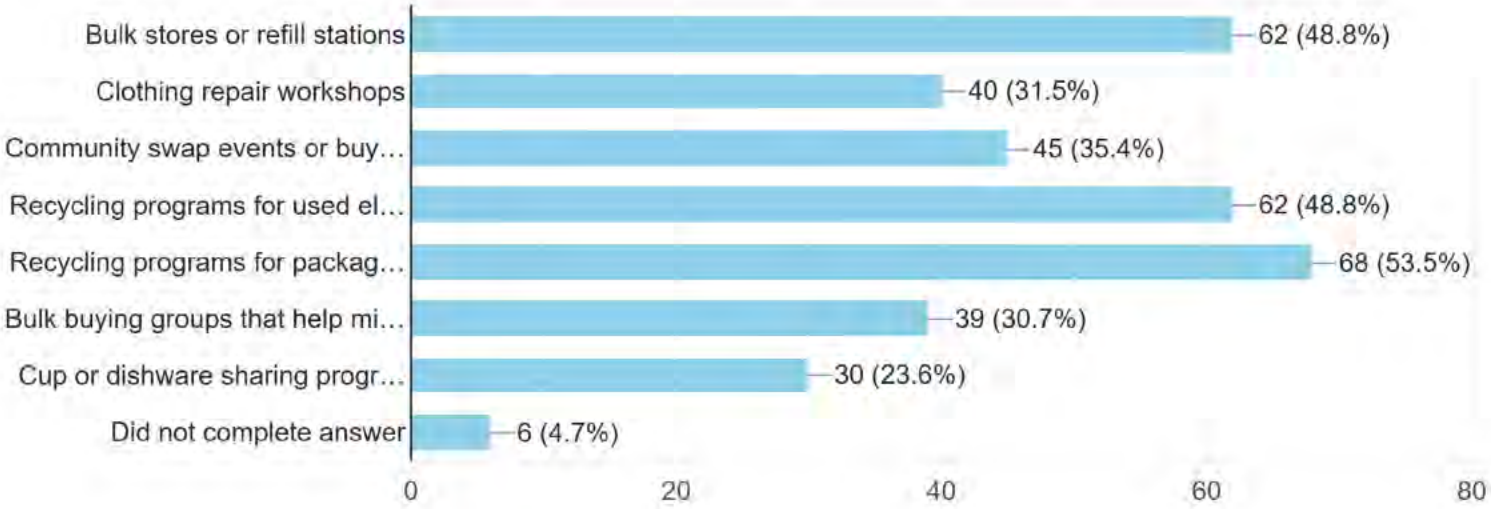
Reduce Reduce means creating less waste in the first place. Question 5. What types of waste do you find challenging to avoid? (select all that apply)

127 responses



Question 6. What types of waste reduction programs would you be most interested in? (select as many as apply)

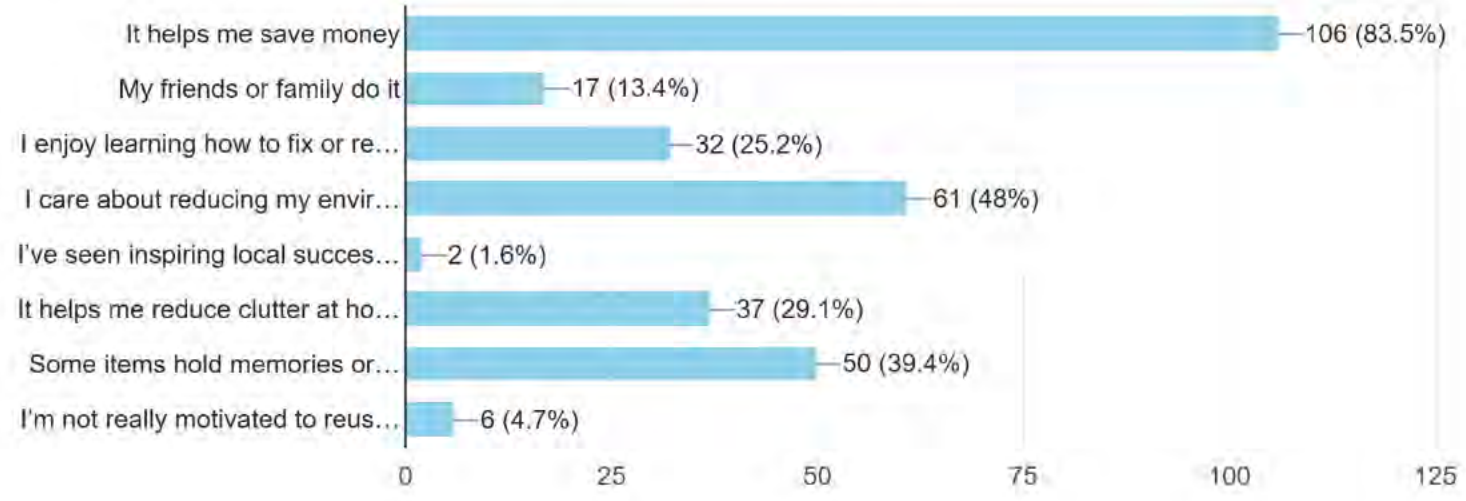
127 responses



Question 7.

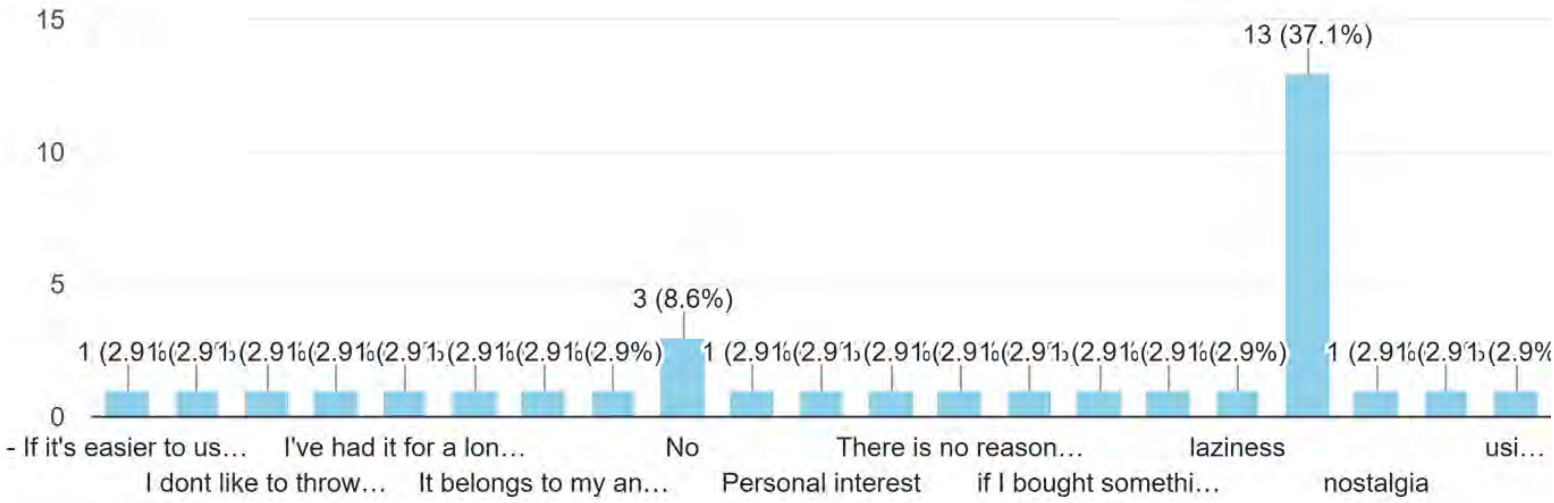
Reuse and Repair Reuse means giving items a second life — by repairing, repurposing, or sharing them — instead of sending them to disposal. Quest...motivates you most to reuse items? (Select top 2)

127 responses



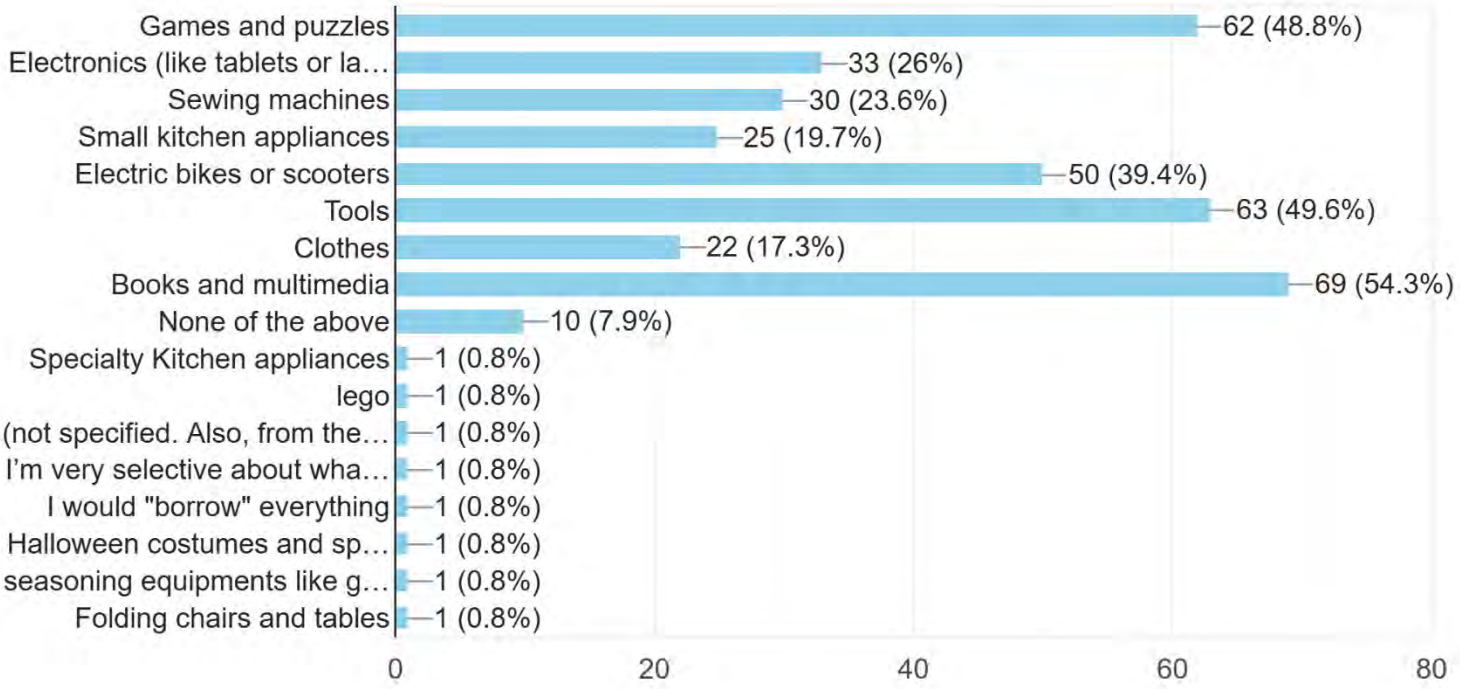
Question 8. Is there anything else that's not listed above that motivates you to reuse an item? [open answer]

35 responses



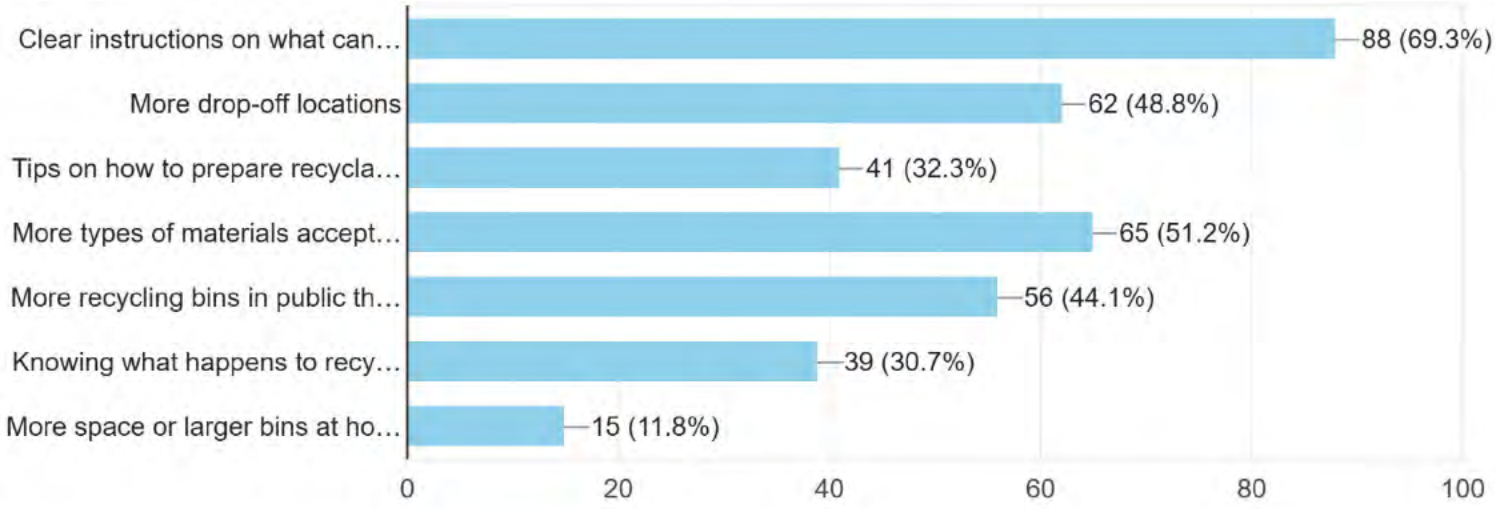
Question 9. Some communities have "sharing libraries" where people borrow various items instead of buying them. If there was a "sharing library" in ...hood, what would you borrow? (Select all that apply)

127 responses



Recycle Recycle means keeping materials in use by giving them a second life — turning waste into new products. Question 10. What would make it easier for you to recycle more? (select your top three)

127 responses



Question 11.

Is there anything else not listed above that would make it easier for you to recycle more materials? [Open answer]

36 responses

no

No

the material actually being recycled and not thrown in some landfill in Indonesia

larger bins at home to collect recyclables

A help page where I put in what I am doing like painting an apartment or house to list items I am likely to use and where to take the waste or what can be re used or not afterwards

Making it so labels weren't so hard to get off

A reduced variety of consumer packaging to simplify recycling. Make the manufacturers more responsible for waste.

Accessibility of recycling locations is a major barrier

Just make it mandatory

Knowing that all materials collected are recycled and not just collected. Knowing that there is a government program from collecting to deliver to appropriate manifactures for recycle, at the opposite to putting them in the hands of privates that deliver for recycle only if convenient for them, if they have a profit, other way they dump the collected materials in landfills, or worst in the environment in third world countries (we pollute land and water there). That companies doing that and polluting other countries be persecuted for pollution here in canada. To be sure that what is produced and sold here is destined to be recycled (do no put not recyclable items on the market), it is really recycled and doesn't go to pollute other countries. To produce less items, as now the over-aboundance is due to the wish of making profit of industries (private greadiness), not to a real need of the population (we have about everything). To educate people to use less and buy less. To introduce regulations that limit the over-abbondance of items on the market (the consumerism in the west world is awful). Also: to introduce regulations and implement them, that stores selling recyclable containers and materials have the responsability to collect them back from the consumers, and have the responsibility to put them on the correct path to recycling. That contaiers and materials collected from those stores are effectively recycled (government involved, not greedy private that dump them whenever). That canada funds recycle plants for plastic, paper, styrofoam, etc., and recycle/reporpose/repair plants for electronics discarded here in canada. No pollution exported to other countries.

different recycling pick ups

I hope each item has recyclable symbol, there are but not every. For example, I'd like to recycle as many as but I don't know if a paper sticker is recyclable, how about stickers on fruits? There is a website about recycling items but it's very complicated. It is categorized, I click battery, I have to choose and click again, again. I had to be knowledgable to recycle.

More items accepted for home collection, like electronics, lights, soft plastics pick up scheduled once every 3 months and an app to notify

Where to take items not picked up by regular recycling collection.

More readily available information

Maybe not

Bulk items 'pick up day' once or twice a year; charities offering to pick up bulk items (like furniture) for free.

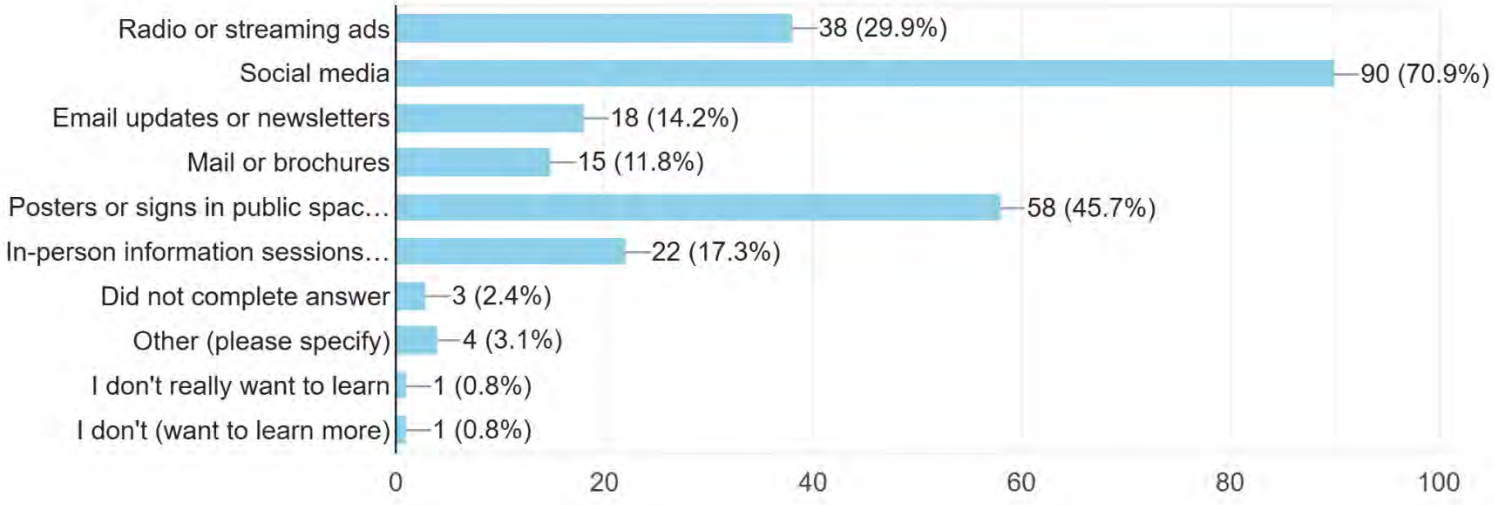
Get money

more easy access recycling facilities

Some materials aren't longer accepted at our local recycling centre and where we have to take them is quite far away and I would need a car to get it there.

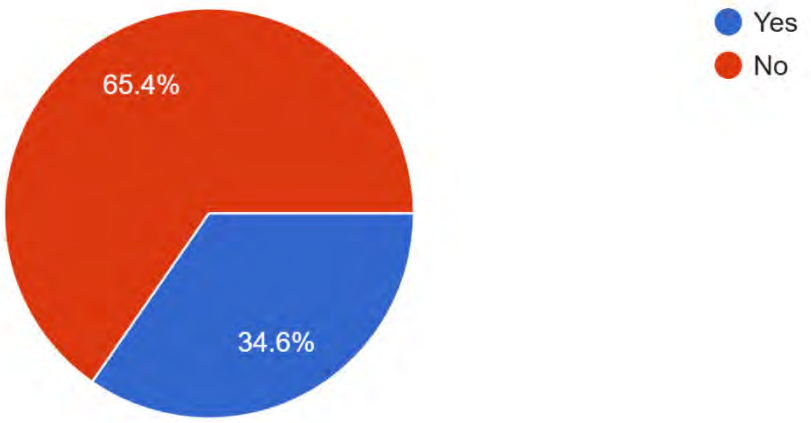
Education and Resources Question 12. How would you like to learn more about recycling, reuse, and repair programs? (Select all that apply)

127 responses



Multi-Family Homes Question 13. Do you live in an apartment, condo, or townhouse? (yes/no)

127 responses



Question 14.

(If yes to question 13) What would make it easier to recycle food waste in your building? [Open answer]

31 responses

Use different colour bag to differentiate that kind of food waste

easier instructions

put a bigger recyclingbins in a fixed position

more bins

Not an issue currently

more proper place to keep bins (townhomes) not just garages

The food waste collection is awful in my complex and in many others. There is a collection bin and that is ok, but people are not educated to select food scraps, and about what can go in the food collection. There is a lot of plastic, food is been dumped in plastic bags, plastic containers, take out not biodegradable containers. I also see lots of people dumping food scrapes and everything in the garbage. There is no education from the city of Surrey, nor from MetroVan about what to put/not to put in food collection, and in the recycle collection. There is a small poster down the stairs about recycling and that's it. For what I know

putting in the recycle and in the food scrap bin has become mandatory, but no one cares about educating residents. We have many newcomers (no ones educate them), but also many peope who have been here for years and many are canadian citizens don't recycle. No education provided, no implementation, no accountability. I'm very upset because I collect all recyclables, including plastc wraps (very invasive in our lives now - even food that could be sold without has plastic wrapping), glass and the little styrofoam I get, which I deliver to the depot.
Glass should be collected in a bin with residential collection too. It's not collected in Surrey and it has to be brought to the depot. Many put it in the recycle.
In every building we need capillar education, mandatory for every unit. Attached to it we need a container to collect food scraps in every apartment.
Selling styrofoam should be prohibited. Everything that is not recyclable or is not efectively recycled should be prohibited in stores and in packaging.
Fake compostables (from "compostable" plastic bags to compostable food containers containing plastic) should be prohibited, they contain plastic and you transfer plastic to the environment and to food if you compost them. Also the composition of coffee cups is unclear. Everything containing plastic mixed with paper and additives should go to the landfill, and should be clearly written on the items. Substitute them with reusable items.
Only biodegradable items are compostable. Plastic is not biodegradable and when fragments in composters it goes to add to the microplastic in the environment. Plastic "compostable" bags in stores should not be labelled as compostable, we need some regulation and to apply such a regulation. They fragment and produce microplastic. Those companies have been allowed to trick and misinform consumers.
Building owners and managers should be educated and should be held responsible for recycling. Big companies owning buildings should be taken accountable and should be pushed to recycle and to inform residents.
Who is responsible for the education of renters and owners in buildings or townhouses? Is it the municipality, is it MetroVancouver, is it the building owner? That should be clear and should do it work. Who is accountable for the missing education? I'm really curious and I can be contacted with answers by Mero Vancouver at my email.

more places to dispose stuff

clear guidelines on how to recycle

I don't know

A compost bin

N/A

Having the garbage truck come more often for food waste

Nothing

More frequent waste ... (illegible: taken?)

Organics program - no green waste disposal at Murrayville House

put them in special trash can

Appropriate food

If they make an easier pathway to get rid of waste

I dont know to be honest

Small recycling station

A tube? Collect together

not sure

required compost routes everywhere

We are already good with food waste

A big trash can

know what can I make with it

nothing

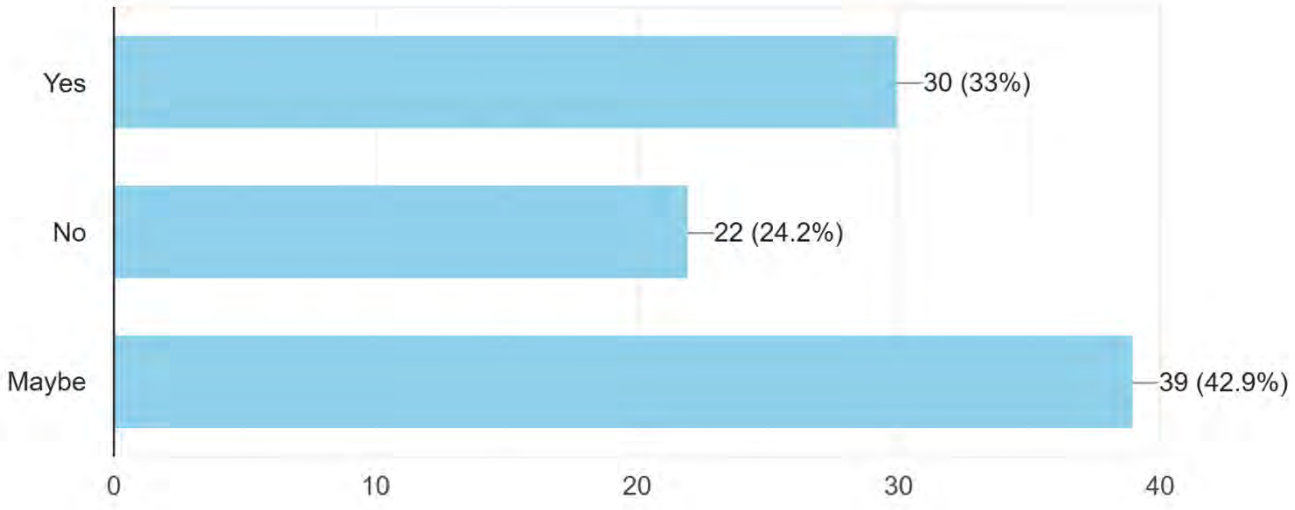
More often trash pick up

a turtle

Compost (Usually never waste food)

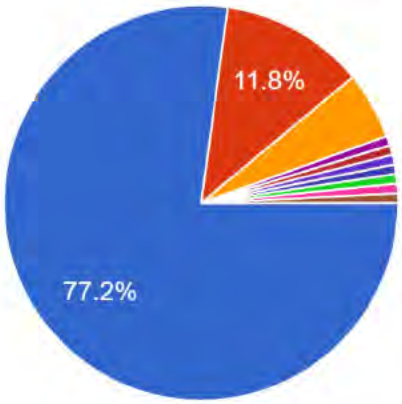
(If yes to question 13) Would you be interested in a short learning series about recycling and waste if it was offered in your building or online?

91 responses



Tell us about you Metro Vancouver aims to seek feedback from a broad range of people across the region. The information provided below will not be linked directly to you. Where do you live?

127 responses



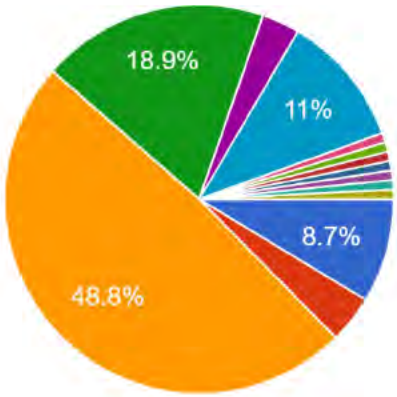
- Township of Langley
- City of Langley
- Surrey
- Anmore
- Belcarra
- Bowen Island
- Burnaby
- Coquitlam

1/4

- Port Moody
- Richmond
- Tsawwassen First Nation
- Vancouver
- West Vancouver
- White Rock
- Electoral Area A
- Outside Metro Vancouver
- Delta
- Village of Lions Bay
- Maple Ridge
- New Westminster
- City of North Vancouver
- District of North Vancouver
- Pitt Meadows
- Port Coquitlam
- Prefer not to say

What type of home do you live in?

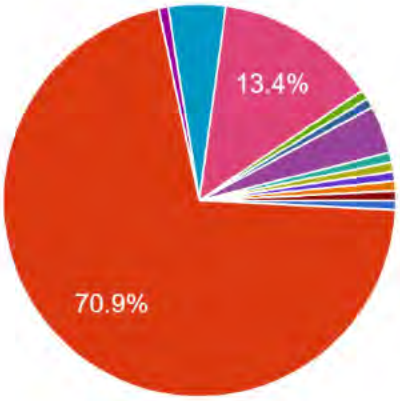
127 responses



- Apartment/condo
- Secondary suite in home
- Detached house, duplex, or triplex
- Townhouse or other multi-unit complex
- Manufactured or mobile home
- Prefer not to say
- house (might be 2)
- homeless
- home
- House
- Tree
- a farm
- (not specified)

What primary language do you speak at home?

127 responses

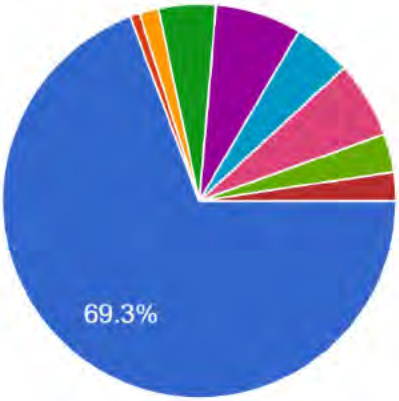


Cantonese
English
Farsi
French
German
Korean
Mandarin
Spanish
Tagalog
Punjabi
Prefer not to say
Other (please specify)
Portuguese
Russian
Japanese
Chinese

1/2

How old are you?

127 responses



16-18
19-24
25-34
35-44
45-54
55-64
65-74
75 and older
Prefer not to say

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity:	
Activity Date	October 29th
Organization/group name	Mind Your Plastic
Time/Duration	One hour
Location	Virtual
Format	*One-on-one virtual interview*
# of Participants	1
Strategies and Actions Discussed	Selected Strategies for Discussion by Mind Your Plastic in One-on-One Interviews: Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source Action ID100: Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations Strategy 3.3 Foster the broad adoption of reuse, refill, and repair Action ID047: Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.

Appendix

Please Include the following in the appendix:

- ✔ **Raw data/notes from engagement activities** (i.e. survey data, focus group and interview detailed notes)
- ✔ **Digital files and photos from the engagement activities** (Please include any digital files and/or photos of focus group products, such as visual brainstorming activity boards)
- ✔ **Engagement survey data**, preferably in editable form (i.e. word document or spreadsheet)
- ✔ **Participants demographic information** (optional)
- ✔ **Participant evaluation forms**

Detailed Interview Notes for Interview #1 attached.

Selected Strategies for Discussion by Mind Your Plastic:

Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source

- Action ID100: Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations

Strategy 3.3 Foster the broad adoption of reuse, refill, and repair

- Action ID047: Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.

Other actions discussed:

Strategy 1.2. Support the transition to a more circular regional economy through waste prevention

- Action ID041: Identify and work with industry event organizers to include circular built environment success stories, communication, and learning sessions that
- Action ID079: Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.

Strategy 3.4 Work with event organizers, business, and institutions to increase reuse

- Action ID050: Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.

Strategy 3.5 Increase access to reuse, refill, and repair

- Action ID058: Facilitate more community-based solutions like buy-nothing groups and shared fridges.
- Action ID059: Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.

Notes #1

Format : Virtual
Session Date: October 29th, 2025
# of Interviewees: 1 (One-on-one)

Section	Questions Asked by Participant	Feedback Heard
Strategy/Action #1		
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair • **Action ID100** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	-Where would these actions be hosted?	-If actions were hosted at participant's community library, it would be very easy to participate (e.g. in repair and borrowing initiatives) -It is difficult to find the personal time in participant's schedule to accommodate things like these actions unless there is something specific that the participant needs to borrow
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair • **Action ID100** What should Metro Vancouver consider to support your participation with this action?	-What kind of reuse and borrowing items would be made available?	-If these stations were accessible in the participant's community (Cloverdale) without needing a car -Participant suggested that initiatives such as buy-nothing groups or shared fridges may be abused or underused in this community -Participant would feel supported if the rules and regulations were clearly stated so that the participant knows how long they can borrow a specific item -If there were multiple sessions available for repair or swapping so that the participant could attend (in the case that the participant couldn't accommodate one specific date in their schedule) -Participant noted that they would be most interested in borrowing and reusing items such as lawn care, tools,

		cleaning equipment that they would only realistically need once a year and would not want to buy -Repair meet ups with an expert would also be valuable, especially for small electronics like lamps or alarm clocks, etc. -Participant has participated before in sewing workshops, which has helped them save a few clothing items -Participant mentioned that greater reuse/refill system support at events, schools, and bigger social gatherings would be valuable as the effort to clean and return items would be easier -Having more events and opportunities in general and doing things to market reuse/refill/repair to their local community -Having flyers at recreational centres or local libraries could help spread the word as well as posting on social media
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-Low as solid waste management is not something that the participant thinks about that much, but participant thinks it would be valuable to consider more if opportunities arise
Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Strategy/Action #2		
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source	-What businesses would be taking on these actions? Businesses that I already frequent?	-It would be fairly easy for the participant to participate if the initiatives are visible, well-defined, and well-integrated into everyday transactions at the businesses and institutions they frequent

• **Action ID047** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?		-Participant gave example of discounts for initial participation, staff that can explain how the process works if the participant has questions -Training or workplace resources could help employees understand how to manage waste correctly and communicate to customers, as participant has had experiences where staff do not understand the process or motivation behind special programs -If the business clearly explains how their waste reduction program works and it is convenient for the participant to take part, then they do not see why they would not participate -Consistency across businesses would also help right now, as every store seems to have a slightly different system or strategy to reduce waste (e.g. different waste sorting, different labels, different reuse options), which can get confusing -Education for businesses and consumers, sharing what has worked, and clear guidance could make participation easier -If there was a model business/consumer to help participant learn the correct behaviours it could also help make them more popular and promote consistent waste-reduction messaging/efforts across Metro Van
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source • **Action ID047** What should Metro Vancouver consider to support your participation with this action?		-Participant suggested that Metro Vancouver could create a directory or recognition program highlighting local businesses leading in waste reduction that would allow them to access vetted businesses more easily -Publicly celebrating business' efforts would help customers identify and support sustainable options. -Providing consistent signs in-store and ads online or on social media could also help businesses standardize the messaging on waste reduction to all Metro Van customers
Strategy Number: 2.1.		-Medium: participant thinks this action

Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		has potential to reduce waste into the future given that they see a lot of waste produced by businesses, -Participant mentioned that while it's not something they interact with daily, giving businesses to tools to lead by example may allow the participant the opportunity to participate in more waste reduction initiatives at the places they already shop
Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Other Strategies/Actions engaged on?		● Action ID058: Facilitate more community-based solutions like buy-nothing groups and shared fridges. ● Strategy 3.4 Work with event organizers, business, and institutions to increase reuse

Notes #1

Format : Virtual
Session Date: October 29th, 2025
# of Interviewees: 1 (One-on-one)

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Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Strategy/Action #2		
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source	-What businesses would be taking on these actions? Businesses that I already frequent?	-It would be fairly easy for the participant to participate if the initiatives are visible, well-defined, and well-integrated into everyday transactions at the businesses and institutions they frequent

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Strategy Number: 2.1.		-Medium: participant thinks this action

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Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Other Strategies/Actions engaged on?		● Action ID058: Facilitate more community-based solutions like buy-nothing groups and shared fridges. ● Strategy 3.4 Work with event organizers, business, and institutions to increase reuse

Notes #2

Format : Virtual
Session Date: October 29th, 2025
# of Interviewees: 1 (One-on-one)

Section	Questions Asked by Participant	Feedback Heard
Strategy/Action #1		
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	-How far away from my neighbourhood would the initiatives take place?	-The ease of a reuse, refill, repair initiative would depend on the distance of the initiative -As an example, if a furniture reuse location was far away from the participant's home, they would be less likely to participate -Participant's reluctance to participate in these initiatives may also be based on perceived cleanliness of the reusable items -In the case of furniture reuse, the participant would be worried about concerns such as bed bugs -Close proximity or organizing the initiative in a way where it is brought to the participant's home would make it easier to participate -It would also be valuable to know how such items were accepted and maintained to address cleanliness concerns -Participant would be particularly interested in rentals of items and community reuse options -Participant mentioned that they had previously seen an initiative where the library was offering fishing poles for rent, however, the information provided by the library about how to participate was confusing to navigate -Buy nothing groups may also be a great option that isn't limited by the location of the participant's home
Strategy Number: 3.3 Foster the broad adoption	-What kind of information could	-Consider making information as accessible as possible

of reuse, refill, and repair ● **Action ID100** What should Metro Vancouver consider to support your participation with this action?	Metro Van provide to ease participation?	-Participants should not have to investigate or depend on outside sources for information about how something works, the logic and purpose behind it, its usefulness and impact, etc. -Smaller communities and neighbourhoods have been trying to introduce these initiatives for a while and there are apps that will categorize you based on location for participation -Metro Vancouver can help by amplifying these resources or creating their own resources where people can access this information and opportunity based on location
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-Medium -Participant suggested there are initiatives out there that currently exist and potentially an alignment for Metro Van to assist with these initiatives instead of arranging a brand new action
Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Strategy/Action #2		
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will	-What actions are businesses currently taking that Metro Van can uplift?	-It would be easy -Participant is a small business owner and would be ecstatic to have such information available to them -Difficulty often comes from access -Access to what measures are included in the education tools and whether the resources have accessible language options are also important factors -People pay attention to business practices and if businesses are transparent about their sustainability practices, participant thinks that it would

it be for you to participate in it? If difficult, what is it that makes your participation easier?		give consumer more motivation to purchase -By transparency, participants clarified that they mean having a page on the business' website or highlight on their social media page that is dedicated to their sustainable practices -Businesses appreciate the direction because it is easy to not have sustainability practices at the forefront of their mind -Participant said that they think sustainability practices are often the sacrifice when it comes to running a business, so having an educational tool available is important -Bringing the awareness sooner rather than later helps to build practices early and makes a huge difference in maintaining sustainability over time -Participant is inspired when other small business owners share their sustainability practices, as it makes them think about what they should be implementing and what they should have available to their customers -As a consumer, the participant tries to be conscious of who they are purchasing from, but sometimes convenience may take priority -This is not always the case, and mostly the participant wants to ensure that they are purchasing from businesses with these tools available to them and who show they care about the environment
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** What should Metro Vancouver consider to support your participation with this action?		-Metro Van should consider giving a platform to those who are actively pursuing the increase in sustainability practices and are increasing consumer awareness of what other options are available -That way, these businesses are more apparent to consumers, and can offer a model for other business owners

Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-High -Participant believes there is not enough support for the efforts that are already established -Giving these opportunities more of a platform to reach people who are not actively thinking about sustainable practices is important
Is there anything else you'd like to add to the conversation on this ACTION?		-Participant uses the VarageSale app to help with waste reduction -App gives people the option to sell or giveaway their items to other people in their communities -There is a vetting process prior to ensure you are a part of that community -This helps with access because those who are looking to participate in waste reduction are nearby so transit efforts are not wasted -Consider involving more small business owners in the Solid Waste Management Plan update -Small business owners are passionate and often the participant finds are more mindful of contributing to sustainability practices
Other Strategies/Actions engaged on?		● Action ID058: Facilitate more community-based solutions like buy-nothing groups and shared fridges. ● Strategy 3.4 Work with event organizers, business, and institutions to increase reuse

Notes #2

Format : Virtual
Session Date: October 29th, 2025
# of Interviewees: 1 (One-on-one)

Section	Questions Asked by Participant	Feedback Heard
Strategy/Action #1		
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	-How far away from my neighbourhood would the initiatives take place?	-The ease of a reuse, refill, repair initiative would depend on the distance of the initiative -As an example, if a furniture reuse location was far away from the participant's home, they would be less likely to participate -Participant's reluctance to participate in these initiatives may also be based on perceived cleanliness of the reusable items -In the case of furniture reuse, the participant would be worried about concerns such as bed bugs -Close proximity or organizing the initiative in a way where it is brought to the participant's home would make it easier to participate -It would also be valuable to know how such items were accepted and maintained to address cleanliness concerns -Participant would be particularly interested in rentals of items and community reuse options -Participant mentioned that they had previously seen an initiative where the library was offering fishing poles for rent, however, the information provided by the library about how to participate was confusing to navigate -Buy nothing groups may also be a great option that isn't limited by the location of the participant's home
Strategy Number: 3.3 Foster the broad adoption	-What kind of information could	-Consider making information as accessible as possible

of reuse, refill, and repair ● **Action ID100** What should Metro Vancouver consider to support your participation with this action?	Metro Van provide to ease participation?	-Participants should not have to investigate or depend on outside sources for information about how something works, the logic and purpose behind it, its usefulness and impact, etc. -Smaller communities and neighbourhoods have been trying to introduce these initiatives for a while and there are apps that will categorize you based on location for participation -Metro Vancouver can help by amplifying these resources or creating their own resources where people can access this information and opportunity based on location
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-Medium -Participant suggested there are initiatives out there that currently exist and potentially an alignment for Metro Van to assist with these initiatives instead of arranging a brand new action
Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Strategy/Action #2		
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will	-What actions are businesses currently taking that Metro Van can uplift?	-It would be easy -Participant is a small business owner and would be ecstatic to have such information available to them -Difficulty often comes from access -Access to what measures are included in the education tools and whether the resources have accessible language options are also important factors -People pay attention to business practices and if businesses are transparent about their sustainability practices, participant thinks that it would

it be for you to participate in it? If difficult, what is it that makes your participation easier?		give consumer more motivation to purchase -By transparency, participants clarified that they mean having a page on the business' website or highlight on their social media page that is dedicated to their sustainable practices -Businesses appreciate the direction because it is easy to not have sustainability practices at the forefront of their mind -Participant said that they think sustainability practices are often the sacrifice when it comes to running a business, so having an educational tool available is important -Bringing the awareness sooner rather than later helps to build practices early and makes a huge difference in maintaining sustainability over time -Participant is inspired when other small business owners share their sustainability practices, as it makes them think about what they should be implementing and what they should have available to their customers -As a consumer, the participant tries to be conscious of who they are purchasing from, but sometimes convenience may take priority -This is not always the case, and mostly the participant wants to ensure that they are purchasing from businesses with these tools available to them and who show they care about the environment
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** What should Metro Vancouver consider to support your participation with this action?		-Metro Van should consider giving a platform to those who are actively pursuing the increase in sustainability practices and are increasing consumer awareness of what other options are available -That way, these businesses are more apparent to consumers, and can offer a model for other business owners

Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-High -Participant believes there is not enough support for the efforts that are already established -Giving these opportunities more of a platform to reach people who are not actively thinking about sustainable practices is important
Is there anything else you'd like to add to the conversation on this ACTION?		-Participant uses the VarageSale app to help with waste reduction -App gives people the option to sell or giveaway their items to other people in their communities -There is a vetting process prior to ensure you are a part of that community -This helps with access because those who are looking to participate in waste reduction are nearby so transit efforts are not wasted -Consider involving more small business owners in the Solid Waste Management Plan update -Small business owners are passionate and often the participant finds are more mindful of contributing to sustainability practices
Other Strategies/Actions engaged on?		● Action ID058: Facilitate more community-based solutions like buy-nothing groups and shared fridges. ● Strategy 3.4 Work with event organizers, business, and institutions to increase reuse

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity Date	October 30th
Organization/group name	Mind Your Plastic
Time/Duration	One hour
Location	Virtual
Format	*One-on-one virtual interview*
# of Participants	1
Strategies and Actions Discussed	Selected Strategies for Discussion by Mind Your Plastic in One-on-One Interviews: Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source Action ID100: Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations Strategy 3.3 Foster the broad adoption of reuse, refill, and repair Action ID047: Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.

Appendix

Please Include the following in the appendix:

Collaborative Engagement Toolkit Templates | **0**

- ✔ **Raw data/notes from engagement activities** (i.e. survey data, focus group and interview detailed notes)
- ✔ **Digital files and photos from the engagement activities** (Please include any digital files and/or photos of focus group products, such as visual brainstorming activity boards)
- ✔ **Engagement survey data**, preferably in editable form (i.e. word document or spreadsheet) ✔ **Participants demographic information** (optional)
- ✔ **Participant evaluation forms**

Detailed Interview Notes for Interview #2 attached.

Selected Strategies for Discussion by Mind Your Plastic:

Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source

- Action ID100: Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations

Strategy 3.3 Foster the broad adoption of reuse, refill, and repair

- Action ID047: Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.

Other actions discussed:

Strategy 1.2. Support the transition to a more circular regional economy through waste prevention

- Action ID041: Identify and work with industry event organizers to include circular built environment success stories, communication, and learning sessions that
- Action ID079: Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.

Strategy 3.4 Work with event organizers, business, and institutions to increase reuse

- Action ID050: Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.

Strategy 3.5 Increase access to reuse, refill, and repair

- Action ID058: Facilitate more community-based solutions like buy-nothing groups and shared fridges.
- Action ID059: Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.

Notes #3

Format : Virtual
Session Date: November 3rd, 2025
# of Interviewees: 1 (One-on-one)

Section	Questions Asked by Participant	Feedback Heard
Strategy/Action #1		
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	-Who would be participating?	-Participant would find it easy to participate in such initiatives if there are clear, realistic steps and easily accessible areas to implement -Spreading the news about the initiatives and adding some rules to get apartments and public areas to be involved -These steps are more likely to motivate people to partake -Participant suggested they would need to see others participate to feel like they are not making the effort on their own -Including the general public as mentioned using free or affordable workshops to teach people, even influencing figures like educators so school and youth are active members in this work -Having volunteers trained to spread awareness and model these actions would be a good step as well -Teaching people the benefits and how they're involved in this would make it more relatable to attract people into action -Participant would be interested in participating in libraries, refill at retail, and furniture reuse -Making these initiatives eco-friendly and more affordable than expensive brand -Working on an individual and local level is necessary but not sufficient for a significant change, so there is an importance in spreading messages across youth, families, neighbourhoods,

		and communities -Important for initiatives to be straightforward and practical
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** What should Metro Vancouver consider to support your participation with this action?		-More awareness activities/ads and inclusions in various areas (residential, educational, and occupational)
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-Medium -Solid waste management downstream is still a part of the solution
Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Strategy/Action #2		
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** If Metro Vancouver includes this action in the updated solid waste management	-What types of businesses would be taking part?	-It would depend on the means of advertisement and the sectors in which these initiatives are presented and taught -Modeling practices and engaging in education about them would be beneficial to motivate people to care -If businesses preach about an initiative they don't practice, people are quite unlikely to listen to them, especially with corporations and their current reputation on pollution, consumerism

plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?		reinforcement, and neglect/minimization of global warming -Education tools would be important but reinforcement of the initiatives throughout the community it also important to make sure that it isn't a short-lived trend -When policies can involve fines, businesses may also take it more seriously
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** What should Metro Vancouver consider to support your participation with this action?		-Participant suggested that accessibility, affordability, practicality, and education are essential to supporting their participation
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-Medium -Consistency is key to sustainability initiative and seeing others like businesses actively contribute would encourage the participant to do the same while inviting others to join them
Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Other Strategies/Actions engaged on?		● Action ID058: Facilitate more community-based solutions like

		buy-nothing groups and shared fridges. ● Strategy 3.4 Work with event organizers, business, and institutions to increase reuse

Notes #3

Format : Virtual
Session Date: November 3rd, 2025
# of Interviewees: 1 (One-on-one)

Section	Questions Asked by Participant	Feedback Heard
Strategy/Action #1		
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	-Who would be participating?	-Participant would find it easy to participate in such initiatives if there are clear, realistic steps and easily accessible areas to implement -Spreading the news about the initiatives and adding some rules to get apartments and public areas to be involved -These steps are more likely to motivate people to partake -Participant suggested they would need to see others participate to feel like they are not making the effort on their own -Including the general public as mentioned using free or affordable workshops to teach people, even influencing figures like educators so school and youth are active members in this work -Having volunteers trained to spread awareness and model these actions would be a good step as well -Teaching people the benefits and how they're involved in this would make it more relatable to attract people into action -Participant would be interested in participating in libraries, refill at retail, and furniture reuse -Making these initiatives eco-friendly and more affordable than expensive brand -Working on an individual and local level is necessary but not sufficient for a significant change, so there is an importance in spreading messages across youth, families, neighbourhoods,

		and communities -Important for initiatives to be straightforward and practical
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** What should Metro Vancouver consider to support your participation with this action?		-More awareness activities/ads and inclusions in various areas (residential, educational, and occupational)
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-Medium -Solid waste management downstream is still a part of the solution
Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Strategy/Action #2		
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** If Metro Vancouver includes this action in the updated solid waste management	-What types of businesses would be taking part?	-It would depend on the means of advertisement and the sectors in which these initiatives are presented and taught -Modeling practices and engaging in education about them would be beneficial to motivate people to care -If businesses preach about an initiative they don't practice, people are quite unlikely to listen to them, especially with corporations and their current reputation on pollution, consumerism

plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?		reinforcement, and neglect/minimization of global warming -Education tools would be important but reinforcement of the initiatives throughout the community it also important to make sure that it isn't a short-lived trend -When policies can involve fines, businesses may also take it more seriously
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** What should Metro Vancouver consider to support your participation with this action?		-Participant suggested that accessibility, affordability, practicality, and education are essential to supporting their participation
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-Medium -Consistency is key to sustainability initiative and seeing others like businesses actively contribute would encourage the participant to do the same while inviting others to join them
Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Other Strategies/Actions engaged on?		● Action ID058: Facilitate more community-based solutions like

		buy-nothing groups and shared fridges. ● Strategy 3.4 Work with event organizers, business, and institutions to increase reuse

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity Date	November 5th, 2025
Organization/group name	Mind Your Plastic
Time/Duration	One hour
Location	Virtual
Format	*One-on-one virtual interview*
# of Participants	1
Strategies and Actions Discussed	Selected Strategies for Discussion by Mind Your Plastic in One-on-One Interviews: Strategy 2.1. Collaborate with businesses and institutions to reduce waste at the source Action ID100: Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations Strategy 3.3 Foster the broad adoption of reuse, refill, and repair Action ID047: Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.

Appendix

Please Include the following in the appendix:

- ✔ **Raw data/notes from engagement activities** (i.e. survey data, focus group and interview detailed notes)
- ✔ **Digital files and photos from the engagement activities** (Please include any digital files and/or photos of focus group products, such as visual brainstorming activity boards)
- ✔ **Engagement survey data**, preferably in editable form (i.e. word document or spreadsheet)
- ✔ **Participants demographic information** (optional)
- ✔ **Participant evaluation forms**

Detailed Interview Notes for Interview #4 attached.

Notes #4

Format : Virtual
Session Date: November 5th, 2025
# of Interviewees: 1 (One-on-one)

Section	Questions Asked by Participant	Feedback Heard
Strategy/Action #1		
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	-What information is going to be provided to participants about the handling and cleaning procedures for reusable items?	-Relatively easy, as the participant doesn't mind the extra effort -Concerns would be hygiene with reuse, so participant would be selective in what products to reuse or refill -It would be easiest to participate if opportunities were more convenient across locations and availability -Process to participate should be simple and easy to understand -There should be an easy way to clearly view stock and what's available in terms of reuse/refill/repair -It would be easier to participate if there were cleaning process assurances that were clearly communicated to the public and increased transparency about how items are handled -Participant has tried rentals and furniture reuse systems before and found them to be a great opportunity, but still had concerns about the cleanliness and quality of the products
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** What should Metro Vancouver consider to support your participation with this action?		- Participant was unsure about what Metro Van could do to support their participation in this action -Participant suggested that they thought it would be beneficial to expand offerings and support to reuse/refill systems such as foodware, shopping bag sharing at events, schools and elsewhere -Participant would utilize community-based solutions such as buy nothing groups, but would likely not utilize shared fridges if they were available in

		the participant's neighbourhood
Strategy Number: 3.3 Foster the broad adoption of reuse, refill, and repair ● **Action ID100** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-Medium -Participant suggested that it is important, but likely not the top priority when it comes to waste management
Is there anything else you'd like to add to the conversation on this ACTION?		-Community curbside pick up systems could also be a great opportunity to explore
Strategy/Action #2		
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?		-It would be very easy to participate -To have businesses take care of waste reduction at the source makes the process more convenient for the consumer -Easier access to businesses taking on these actions would be great, so that the participant knows exactly what steps the business has taken -Clear instructions on how the participant can engage and reduce waste through the business or its programs -As long as there are guidelines on what needs to be carried out, participation should be possible -Education tools would be key to help businesses do this and to help consumers understand the business' actions -If participant had learned more about waste reduction or circular economy through school programs, they might be better equipped to identify where businesses are already making changes, so educational programming in schools could be helpful

Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** What should Metro Vancouver consider to support your participation with this action?		-Participant was not sure how Metro Van could best support their participation in this action -Participant mentioned that helping businesses develop and communicate their success stories in waste reduction would not necessarily be helpful, as they would not be sure where or how to access those stories in a timely way while ensuring there is no greenwashing
Strategy Number: 2.1. Collaborate with businesses and institutions to reduce waste at the source ● **Action ID047** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?		-Medium -Participant found it difficult to answer how this action would impact them as a consumer -Participant was not able to identify the business practices they would like to see from businesses to reduce waste or what would engage them the most as a consumer -Participant mentioned that they did not know of any businesses offering special waste reduction initiatives and engaging customers in that process, so it was difficult to say how important this action would be without a reference point to understand how effective it could be -Participant suggested ad campaigns about these actions could help as well as a timeline for consumers on what to expect and when in order to ease the transition
Is there anything else you'd like to add to the conversation on this ACTION?		-N/A
Other Strategies/Actions engaged on?		● Action ID058: Facilitate more community-based solutions like buy-nothing groups and shared fridges. ● Strategy 3.4 Work with event organizers, business, and institutions to increase reuse

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity Date	October 1st-November 4th, 2025
Organization/group name	Mind Your Plastic
Time/Duration	Throughout the month of October/first week of November
Location	Virtual
Format	*Online surveys*
# of Participants	83
Strategies and Actions Discussed	An online survey was conducted throughout October to gather community feedback for Metro Vancouver's Solid Waste Plan Update. A multi-channel outreach strategy was used to maximize participation, including targeted Meta (Facebook and Instagram) ads, recruitment through community social media groups, and collaborations with local small businesses to promote the survey. Staff were also engaged as ambassadors, encouraging participation across university campuses and within their personal and professional networks. These coordinated efforts ensured broad regional reach and diverse input, helping to inform the updated Solid Waste Management Plan with meaningful community perspectives. There were some challenges in recruiting the 200+ goal stated in our engagement proposal, as this was our first attempt at a Metro Van Solid Waste Management Plan Update engagement that was entirely virtual. In the last week, we were able to almost double our response rate with more follow ups to potential survey-takers. Ultimately, we ended with 83 total participants.

Appendix

Please Include the following in the appendix:

Collaborative Engagement Toolkit Templates | 0

- ✔ **Raw data/notes from engagement activities** (i.e. survey data, focus group and interview detailed notes)
- ✔ **Digital files and photos from the engagement activities** (Please include any digital files and/or photos of focus group products, such as visual brainstorming activity boards)
- ✔ **Engagement survey data**, preferably in editable form (i.e. word document or spreadsheet)
- ✔ **Participants demographic information** (optional)
- ✔ **Participant evaluation forms**

Raw survey data attached.

Post-engagement Activity Summaries

Activity: Park clean-up	
Activity date	Oct 19, 2025
Organization name	NatureKids BC
Time/duration	1 pm to 3:30 pm (2.5 hours)
Location	Renfrew Ravine Park
Format	Focus group
# of participants	14
Strategies and Actions Discussed	Strategy 3.5: Increase access to reuse, refill, and repair Action ID 058 and ID 059 discussed

Activity: Member survey	
Activity date	Oct 9, 2025
Organization name	NatureKids BC
Time/duration	Oct 9, 2025 to Oct 24, 2025 (16 days)
Location	Virtual
Format	Questionaire
# of participants	24
Strategies and Actions Discussed	N/A

Appendix

Note: We modified the action IDs from Strategy 3.5 to incorporate several examples of what community-based solutions could look like to inspire generative conversation with our audience. Here are the 2 restructured action IDs for your reference:

Action ID 058: Facilitate more community-based solutions like buy-nothing groups, shared fridges, refill at retail, and packaging reuse systems.

1. **Buy-nothing groups**: hyper-local online communities where members can borrow, receive, give away, or exchange services for free. (ex. Buy Nothing Burnaby South East group on Facebook)

2. **Shared fridges**: a fridge with donated food that's for public use, or fridges in shared housing like dorms or apartments (ex. Collingwood Neighborhood house outdoor fridge)

3. **Refill at retail**: Customers bring in their own packaging such as bottles, glass jars, and containers to fill up and reuse (ex. The Soap Dispensary and Kitchen Staples, who refill bulk hygiene products)

4. **Packaging reuse systems:** Durable containers or packaging that is returned to a business or collection point and are repurposed instead of discarded after single use. (ex. Avalon Dairy, where customers return empty glass bottles, receive a cash deposit, and then the containers are cleaned and refilled with milk)

Action ID 059: Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups

1. **Repair cafes**: Free periodic events where you can bring items like small kitchen appliances, clothing, or electronic devices to be fixed by volunteers (ex. Kitsilano Community Centre, Oct 11, 2025)

2. **Free swap events:** Events where people donate portable items that are in working condition and can browse the tables for an item of their choice. (ex. Halloween free swap event, Oct 25 at Renfrew Community Centre)

3. **Reuse centres**: Vancouver tool library, a library that loans various tools for home repair, gardening, and bike maintenance, along with offering affordable workshops that teach you repair skills

4. **Community gardens**: shared space for people to cultivate fruits and vegetables, which is a good opportunity to support food security, learn about composting practices, decrease food waste as what's grown is being locally consumed, and transform vacant land into productive green spaces (Ex. David Thompson Secondary School greenhouse)

Feedback from focus group

Format: In-person

Session date: Oct 19, 2025

# of participants registered: 6 families

# of actual participants: 4 families (14 participants)

# of event promotions: 2

Note: We had difficulties in gathering detailed feedback for Action ID 058 and 059 as participants were confused by the original solid waste strategy packet questions. Our modified wording and local examples provided context. However, it still took active rephrasing for families to understand each question. Some struggled because English was a second language, and others struggled because the language was too formal.

Despite these issues, the videography team was able to capture unique and valuable information in interviews with 5-7 year old child participants, who shared their views on the importance of sustainable initiatives as emerging nature stewards.

Section	Questions asked by participants	Feedback heard
Strategy Number: 3.5 **Action ID: 058** ***Facilitate more community-based solutions like buy-nothing groups, shared***	• "What is a buy nothing group?" A concise description of a buy nothing group was offered, but further	• The government should promote buy-nothing groups • More advertising and communication of

fridges, refill at retail, and packaging reuse systems. If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	clarification was needed for one family who had not heard of this before	when and where sustainability events are happening would be helpful
Strategy Number: 3.5 **Action ID: 058** What should Metro Vancouver consider to support your participation with this action?		• Location of events or programs must be central to transit and also have parking • Support increased sustainability events through commitments like funding and providing the space
Strategy Number: 3.5 **Action ID: 058** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		• Low to medium priority

Section	Questions asked by participants	Feedback heard
Strategy Number: 3.5 **Action ID: 059** ***Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups*** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	• "What is a repair cafe?" A few Asian participants stated that this was new for them. One family has held on to their fan for 2 years even though it does not work as they don't know what is wrong with it – the fan is in good condition and they can not find affordable, if any, repair businesses that will help fix it	• The government should create better advertisements for repair cafes to make participation easier

Strategy Number: 3.5
 	
Action ID: 059
 	
What should Metro Vancouver consider to support your participation with this action?
		• Community centres can be far away from home, so it would be convenient if more repair cafes or recycling centres are part of local stores as well
		
		  • Preference for accessible information on where and how to repair and recycle items like electronic devices or cooking pans
		
		  • A hybrid sign-up and drop-in system for electronic repair cafes would be beneficial, so that the people running the event would be able to get a sense of the questions and problems ahead of time

Strategy Number: 3.5 **Action ID: 059** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		• Low to medium priority • More government support for community centres and other social hubs was preferred regarding facilitation of regular repair cafe events

Metro Vancouver Solid Waste Management Plan
Options Analysis

Collaborative Engagement
Final Report to Metro Vancouver

Introduction

The Recycling Council of British Columbia (RCBC) has partnered with Metro Vancouver in their collaborative engagement process to increase the reach of consultations taking place to inform the Options Analysis phase of the Solid Waste Management Plan update process. In order to do so, RCBC has sought to consult with RCBC Members in the non-profit and business/industry sectors that interact with and are impacted by solid waste management in the Metro Vancouver region, as well as residents who interact with RCBC Information Services (such as the BC Recycling Hotline). This consultation has taken the form of a targeted survey, constructed to enable these stakeholders to provide feedback that is specific to their sectors and areas of work, and a general public survey for interested residents.

Survey Design

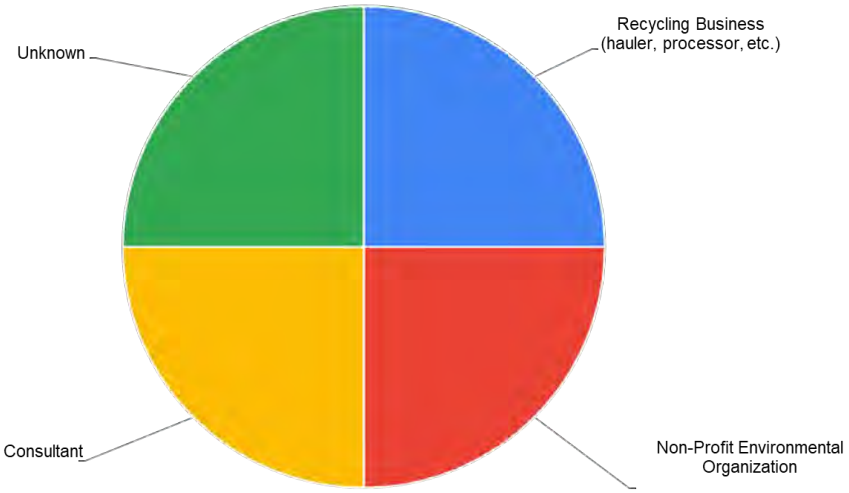
The surveys were developed based on the public survey materials provided by Metro Vancouver. For the RCBC Member survey, some questions were omitted or altered in order to ensure that they were relevant to the target member audience. The public survey was created as a duplicate of Metro Vancouver's public survey.

On September 23, 2025 the tailored survey was distributed to RCBC Member contacts in the Industry and Non-Profit sectors operating in the Metro Vancouver region, totaling 118 recipients. The survey closed on October 22, 2025, and reminders were sent two days prior to the close of the survey, as well as in RCBC's Member Newsletter, ReCap, which was distributed October 15, 2025. Simultaneously, a public survey was conducted through RCBC's Information Services channels to reach members of the public who engage with RCBC programs and services. The link to the public survey was provided in RCBC's public newsletter, The Circular, which was distributed October 3, 2025 to 1,366 subscribers, in 6 total social media posts across Facebook, Instagram, and X, and was also included in email responses to residents in the region at the discretion of RCBC Environmental Advisors.

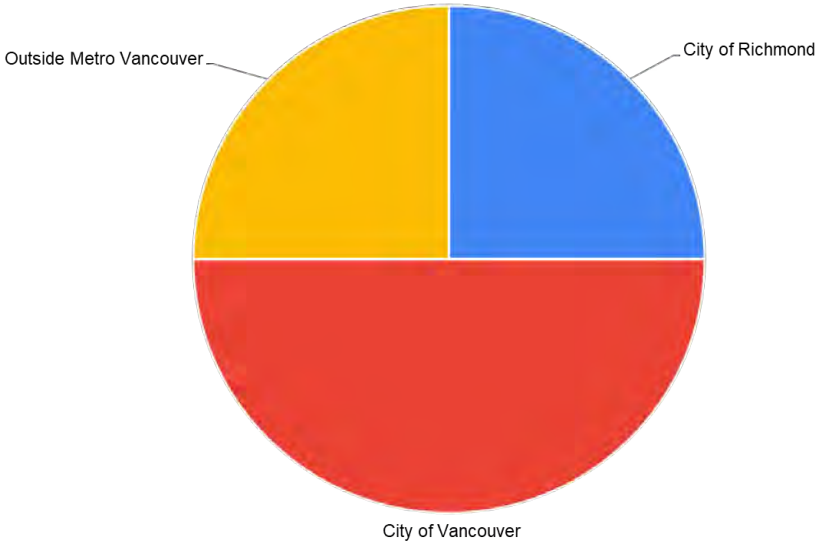
The Member Survey received four responses and the public survey received three responses.

Member Survey Results

Member Survey respondents represented a range of organization types. One identified themself as a Consultant, one as a Recycling Business like a hauler, and one as a Non-Profit Environmental Organization. A final respondent did not specify the nature of their organization.



The largest share of respondents (50%) were based in the City of Vancouver. One respondent was located in Richmond, and another outside of Metro Vancouver. Of these respondents, three of four indicated that they do not operate outside of the Metro Vancouver Region.



Rethink

How do you decide what you really need before buying something? [Please select your top three considerations]

How do you decide what you really need before buying something?	Number of responses
The cost of the item and my budget	4
Advice or recommendations from friends or family	1
If I would use it everyday	1
The environmental or ethical impact of the item	3
The quality or how long it will last	3
It would bring me joy or make me feel good	1

A number of potential areas of interest were presented, and ranked from “very interested” to “not at all interested”, the results follow:

How interested are you in learning about the following?	Very interested	Somewhat interested	Not at all interested
Buying fewer things or mindful buying	2		2
Choosing better quality items that last longer	2		2
Using reusable items (bags, cups, containers, cutlery, etc.)	2		2
Going to repair events to fix broken items	3		1
Taking worn clothing for repair or learning to repair them myself	3		1
Gifting experiences instead of items	1	1	2

A number of potential actions to be taken in the next year were presented, and ranked from “very likely” to “very unlikely”, the results follow:

How likely are you to try the following in the next year?	Very likely	Somewhat likely	Somewhat unlikely	Very unlikely
Buying fewer things or mindful buying	4			
Choosing better quality items that last longer	4			
Using reusable items (bags, cups, containers, cutlery, etc.)	4			
Going to repair events to fix broken items	3	1		
Taking worn clothing for repair or learning to repair them myself	3	1		
Gifting experiences instead of items	4			

Reduce

Respondents were asked to indicate which types of waste they find challenging to avoid, the results follow:

What types of waste do you find challenging to avoid?	Number of responses
Plastic packaging (food wrappers, plastic wrap)	4
Paint, cleaners, or chemicals	2
Furniture or home items	2
Electronics (old phones, chargers, batteries)	3
Packaging from cosmetics and toiletries (shampoo bottles, makeup containers)	2
Home renovation debris and materials (drywall, tiles, wood scraps)	2
Old clothes or fabric	1
Coffee cups and takeaway containers	2

In response to the question, “What types of waste reduction programs would you be most interested in?” the following responses were received:

What types of waste reduction programs would you be most interested in?	Number of responses
Bulk stores or refill stations	3
Clothing repair workshops	2
Community swap events or buy-nothing groups	3
Recycling programs for used electronics	2
Recycling programs for packaging	1
Bulk buying groups that help minimize shipping materials and waste	2
Cup or dishware sharing program that allows you to “borrow” dishware for takeaway instead of using single-use items	2
Recycling programs for packaging	1

Reuse and Repair

Participants were asked, “What motivates you most to reuse items?” and asked to select their top 2 options.

What motivates you most to reuse items?	Number of responses
It helps me save money	3
I enjoy learning how to fix or repurpose things	1
I care about reducing my environmental impact	3

In response to, “Is there anything else that’s not listed above that motivates you to reuse an item?” the following response was submitted:

- *“Being a conscious consumer”*

Respondents were asked, “Some communities have “sharing libraries” where people borrow various items instead of buying them. If there was a “sharing library” in your neighbourhood, what would you borrow?”

Some communities have “sharing libraries” where people borrow various items instead of buying them. If there was a “sharing library” in your neighbourhood, what would you borrow?	Number of responses
Sewing machines	4
Games and puzzles	2
Small kitchen appliances	2
Electric bikes or scooters	2
Tools	3
Electronics (like tablets or laptops)	1
Clothes	1

Recycle

Respondents were asked to indicate “What would make it easier for you to recycle more?”

What would make it easier for you to recycle more?	Number of responses
Clear instructions on what can be recycled and how	3
More drop-off locations	3
Tips on how to prepare recyclables (e.g., do I remove the labels from cans? Do containers need to be clean?)	3
Knowing what happens to recycled items	3
More types of materials accepted in residential recycling pick-up	2
More recycling bins in public that accept more materials	1
More space or larger bins at home to collect recyclables	1

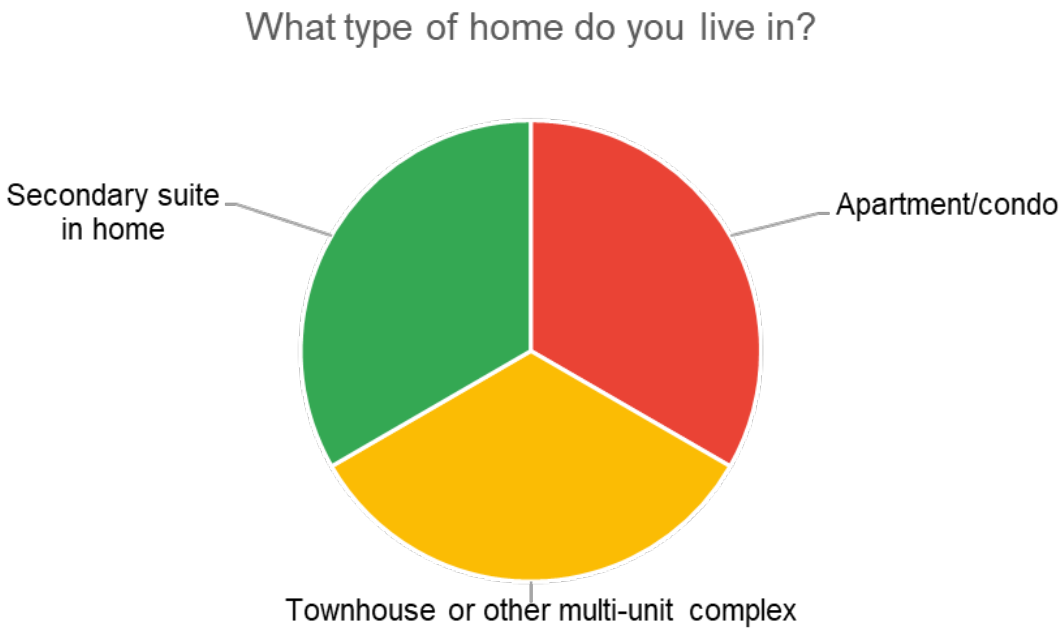
Respondents were asked, “How would you like to learn more about recycling, reuse, and repair programs?”

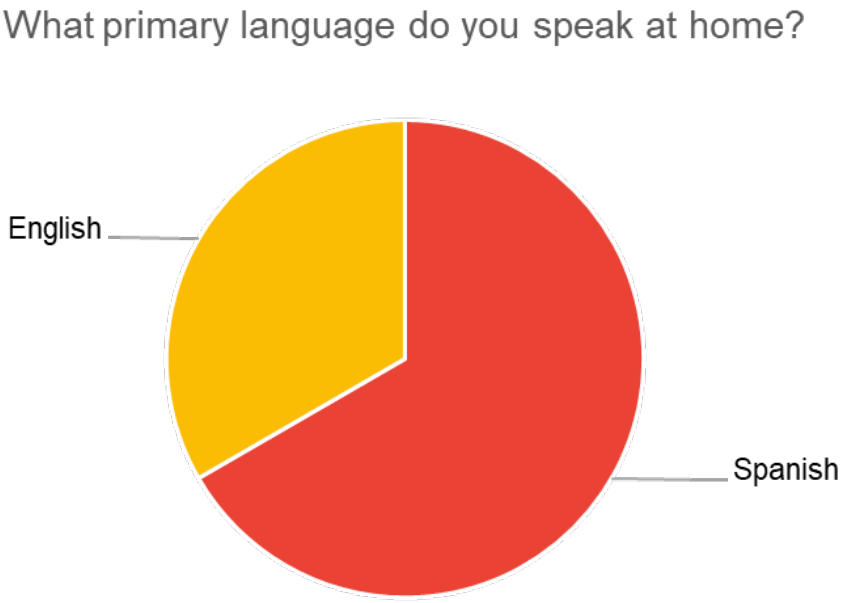
How would you like to learn more about recycling, reuse, and repair programs?	Number of responses
Social media	1
Radio or streaming ads	1
Short online learning sessions or videos	3
Social media, Mail or brochures	1
Email updates or newsletters	2
Mail or brochures	1
Posters or signs in public spaces and buildings	2

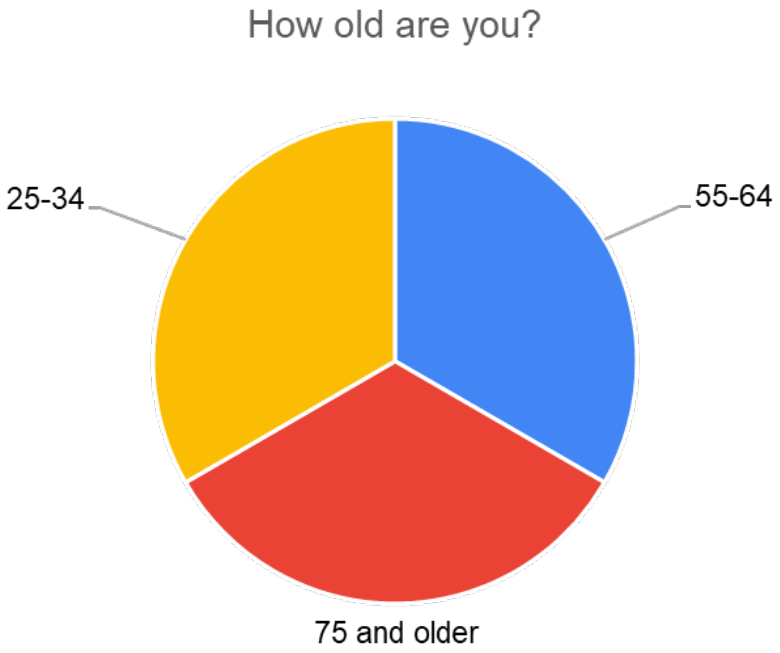
No additional comments were received.

Public Survey Results

The public-facing survey received three total responses. Of the respondents, 100% indicated that they live in the City of Vancouver. The breakdown of dwelling type, primary language spoken at home, and age groups of respondents are displayed below:







Rethink

How do you decide what you really need before buying something? [Please select your top three considerations]

How do you decide what you really need before buying something?	Number of responses
The cost of the item and my budget	3
Advice or recommendations from friends or family	1
If I would use it everyday	2
The environmental or ethical impact of the item	2
The quality or how long it will last	1

A number of potential areas of interest were presented, and ranked from “very interested” to “not at all interested”, the results follow:

How interested are you in learning about the following?	Very interested	Somewhat interested	Not at all interested
Buying fewer things or mindful buying	3		
Choosing better quality items that last longer	3		
Using reusable items (bags, cups, containers, cutlery, etc.)	1	2	
Going to repair events to fix broken items	3		
Taking worn clothing for repair or learning to repair them myself	3		
Gifting experiences instead of items	2	1	

A number of potential actions to be taken in the next year were presented, and ranked from “very likely” to “very unlikely”, the results follow:

How likely are you to try the following in the next year?	Very likely	Somewhat likely	Somewhat unlikely	Very unlikely
Buying fewer things or mindful buying	3			
Choosing better quality items that last longer	3			
Using reusable items (bags, cups, containers, cutlery, etc.)	3			
Going to repair events to fix broken items	2	1		
Taking worn clothing for repair or learning to repair them myself	1	1		1
Gifting experiences instead of items	1	1	1	

Reduce

Respondents were asked to indicate which types of waste they find challenging to avoid, the results follow:

What types of waste do you find challenging to avoid?	Number of responses
Plastic packaging (food wrappers, plastic wrap)	3
Old clothes or fabric	3
Paint, cleaners, or chemicals	2
empty propane tanks for barbeques	1
Electronics (old phones, chargers, batteries)	2
Home renovation debris and materials (drywall, tiles, wood scraps)	2
Furniture or home items	1
Packaging from cosmetics and toiletries (shampoo bottles, makeup containers)	1

In response to the question, “What types of waste reduction programs would you be most interested in?” the following responses were received:

What types of waste reduction programs would you be most interested in?	Number of responses
Community swap events or buy-nothing groups	3
Bulk stores or refill stations	2
Recycling programs for packaging	2
Recycling programs for used electronics	2
Bulk buying groups that help minimize shipping materials and waste	1
Clothing repair workshops	1
Cup or dishware sharing program that allows you to “borrow” dishware for takeaway instead of using single-use items	1

Reuse and Repair

Participants were asked, “What motivates you most to reuse items?” and asked to select their top 2 options. Several respondents chose to select more than 2 options.

What motivates you most to reuse items?	Number of responses
It helps me save money	3
I enjoy learning how to fix or repurpose things	3
I care about reducing my environmental impact	3
It helps me reduce clutter at home	2
Some items hold memories or sentimental value	2
I’ve seen inspiring local success stories	1

Respondents were asked, “Some communities have “sharing libraries” where people borrow various items instead of buying them. If there was a “sharing library” in your neighbourhood, what would you borrow?”

Some communities have “sharing libraries” where people borrow various items instead of buying them. If there was a “sharing library” in your neighbourhood, what would you borrow?	Number of responses
Electronics (like tablets or laptops)	1
Books and multimedia	2
Small kitchen appliances	1
Tools	1

Recycle

Respondents were asked to indicate “What would make it easier for you to recycle more?”

What would make it easier for you to recycle more?	Number of responses
More recycling bins in public that accept more materials	1
Clear instructions on what can be recycled and how	2
More drop-off locations	1
More types of materials accepted in residential recycling pick-up	2
Tips on how to prepare recyclables (e.g., do I remove the labels from cans? Do containers need to be clean?)	1
More recycling bins in public that accept more materials	1

Respondents were asked, “How would you like to learn more about recycling, reuse, and repair programs?”

How would you like to learn more about recycling, reuse, and repair programs?	Number of responses
Social media	3
Radio or streaming ads	1
Email updates or newsletters	2
Posters or signs in public spaces and buildings	3
Short online learning sessions or videos	1
In-person information sessions in my neighbourhood	1

No additional comments were received.

Observations & Recommendations:

Engagement in this process was lower compared to the 2024 survey on Idea Generation. As a result, respondents represented a narrower range of age groups, municipalities, and organization types in the case of the RCBC Member survey. Last year, it was noted that in the public survey 100% of respondents selected English as the primary language spoken at home. This is contrasted by this survey which saw ⅔ of respondents indicate Spanish as their primary language. This suggests that this public survey may have reached a different audience than has been engaged in previous surveys.

Conclusions:

This survey aimed to solicit feedback both from RCBC Members in the Business/Industry and Non-Profit sectors and from members of the public who interact with RCBC Information Services. Overall, there is a high degree of interest in actions like participating in repair cafes and learning to repair, and a high likelihood of trying activities like mindful consumption and choosing reusable options. The two audiences expressed differing preferences in terms of how they would like to receive information about recycling, reuse, and repair programs. RCBC Members showed a preference for short online learning sessions or videos, while the public survey respondents preferred social media and Posters or signs in public spaces and buildings.

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity:	
Activity Date	September 23, 2025 – October 22, 2025
Organization/group name	Recycling Council of BC
Time/Duration	Ongoing
Location	Virtual
Format	Survey – Public
# of Participants	3
Strategies and Actions Discussed	-

Appendix

Please Include the following in the appendix:

- ✓ **Raw data/notes from engagement activities** (i.e. survey data, focus group and interview detailed notes)
- ✓ **Digital files and photos from the engagement activities** (Please include any digital files and/or photos of focus group products, such as visual brainstorming activity boards)
- ✓ **Engagement survey data**, preferably in editable form (i.e. word document or spreadsheet)
- ✓ **Participants demographic information** (optional)
- ✓ **Participant evaluation forms**

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Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity:	
Activity Date	September 23, 2025 – October 22, 2025
Organization/group name	Recycling Council of BC
Time/Duration	Ongoing
Location	Virtual
Format	Survey – RCBC Members
# of Participants	4
Strategies and Actions Discussed	-

Appendix

Please Include the following in the appendix:

- ✓ **Raw data/notes from engagement activities** (i.e. survey data, focus group and interview detailed notes)
- ✓ **Digital files and photos from the engagement activities** (Please include any digital files and/or photos of focus group products, such as visual brainstorming activity boards)
- ✓ **Engagement survey data**, preferably in editable form (i.e. word document or spreadsheet)
- ✓ **Participants demographic information** (optional)
- ✓ **Participant evaluation forms**

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Metro Vancouver SWMP Collaborative Engagement Activities Fall 2025
Options Analysis Engagement Activity Summary

Activity: Engagement Survey	
Activity Date / Duration	Survey open for responses Aug 25 to Oct 31, 2025
Organization/group name	Master Recycler Vancouver (MRV) of SPEC (Audience includes SPEC newsletter mailing list, nine years of MRV cohorts 2015-2025, social media audience on Instagram, Facebook and LinkedIn for MRV, SPEC and MRV founders)
Location	Virtual
Format	Google Form
# of Participants	82
Strategies and Actions Discussed	**N/A, template questions provided by Metro Vancouver and used as-is.**

Activity: Focus Group 1	
Activity Date	Wednesday, October 8, 2025
Organization/group name	Master Recycler Vancouver of SPEC
Time/Duration	6:30 - 8:00 pm
Location	Virtual
Format	Focus Group
# of Participants	8
Strategies and Actions Discussed	**Strategy 3.3 Foster the broad adoption of reuse, refill, and repair** Action ID159: Show where waste goes and how it's processed to provide more transparency in the recycling system. **Strategy 4.7. Increase transparency of what happens to materials from recycling and green bin** Action ID159: Show where waste goes and how it's processed to provide more transparency in the recycling system.

Activity: Focus Group 2	
Activity Date	Thursday, October 16, 2025
Organization/group name	Master Recycler Vancouver of SPEC
Time/Duration	6:30 - 8:00 pm

Location	Virtual
Format	Focus Group
# of Participants	7
Strategies and Actions Discussed	**Strategy 3.3 Foster the broad adoption of reuse, refill, and repair** Action ID159: Show where waste goes and how it's processed to provide more transparency in the recycling system. **Strategy 4.7. Increase transparency of what happens to materials from recycling and green bin** Action ID159: Show where waste goes and how it's processed to provide more transparency in the recycling system.

See included:

- **Doc**: Focus Group Notes from Master Recycler Vancouver 2025 (this contains separate notes for each of the 2 focus groups)
- **Spreadsheet**: 2025 MVSWMP Engagement Survey Responses from Master Recycler Vancouver (82 responses)
- **Spreadsheet**: 2025 Focus Group Feedback Form Responses from Master Recycler Vancouver (5 responses out of 15 participants across 2 focus groups)

Metro Vancouver Solid Waste Management Plan (SWMP) Collaborative Engagement Activities Fall 2025
Options Analysis Focus Group Notes from Master Recycler Vancouver / SPEC

FOCUS GROUP 1

Format: Virtual
Session Date: Oct 8 , 2025
# of Participants Registered: 11
# of Actual Participants: 8
# of event promotions: 6

Session	Questions asked by Participants	Facilitator Notes/Observations
Opening Notes	**Questions asked:** • How did SPEC get the opportunity to participate in this Collaborative Engagement? I was delighted when I saw this. **Comments:** • Thank you for sending out the survey simultaneously with the invitation tonight; it was helpful to prime me for things that I want to say in the group, feedback I want to give, and to feel prepared for the event. **What roles did this group introduce themselves with?** • Retired but active coordinating recycling. Build Local Communities organization, to give Vancouver residents. Has four pop-up recycling spots. Works with City of Vancouver to support the program. It's easy, he wants to make certain they can get more people to volunteer to do this, it keeps a lot of stuff out of landfill. • I engage because I really worry about the future, and want to do what I can.	**The participants are heavily engaged in reuse, recycling, repair behaviours and volunteer in their communities or workplaces to advocate for and promote these behaviours.**

Session	Questions asked by Participants	Facilitator Notes/Observations
	• Works in Riley Park Community Garden. Master Gardener, Master Composter from the UK, and Master Recycler Vancouver 2023. Gives talks on composting. Did a long involved session today on worm composting. A colleague brought her microscope along and they were able to see all the microorganisms in the liquid. This was a special session for Master Gardeners in training. They all took baby worms with them. • Part of a sustainability class and club at her university. The professor told her about the workshop. Interested in learning more about local recycling. • Not actively volunteering in anything right now, but all things sustainable, for the longest time. What she tries to do is a lot of influencing in her circle; her family, her friends. She's typically the person to ask "does this go into the compost? The recycling? How do I deal with this? And she tries to do little education pieces about things like Amazon Prime days - try to convince people to buy nothing, or buy local. ○ I live in Coquitlam - my neighbours include bears. I am hyper aware of how to manage my compost and recycling and garbage. When we interact, it can be a disaster for the bears. • Retired from the printing industry; they created so much waste, he got concerned about how much they waste. **What are people's favourite items to reuse?** • Jokes! • Stand up pouches with the zipper. It seems I cannot avoid buying foods that I need and want, ALL in bulk, and I predominantly buy in these stand up zipper pouches. I wash and reuse them. I haven't bought a ziplock bag in about 20 years. I reuse them several times before they go into my flexible plastic recycling. • Plastic bags, because inevitably you end up with them. Ziploc bags as well, we reuse over and over. at least they're not one use. • Tote bags, especially when grocery shopping or going somewhere.	

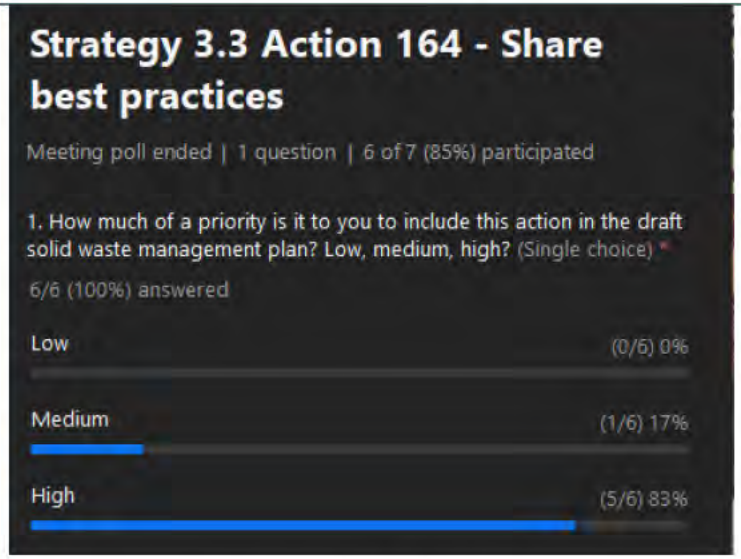
Session	Questions asked by Participants	Facilitator Notes/Observations
	• One, plastic bags. I haven't acquired a new plastic bag in years. I reuse the ones I have. ○ Two, clothes. I use them, reuse them, mend them, repurpose them, do new things with them. • Plastic bags; both the disposable kind and the supposed ones you use for years. I've got a whole bunch of them stuffed under the car seat, and in my bike panier. Everywhere I go I have my own bag.	

Strategy Number: 3.3
 	
Action ID: 164
 	
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it?
 	
If difficult, what is it that makes your participation easier?
	Comments
	
	• They should define what the low hanging fruit are. We assume they've been communicated and dealt with - as you say, we have a really high recycling rate. But, they should pick one thing - say, for the next couple of years - one thing that they think would make the biggest impact on reducing or reusing. They should communicate that.
	  ○ I see things from RecycleBC in my Instagram feed, and elsewhere. I see various things from the City, but not very much from Metro.
	
	Additional prompt question for participants; how familiar are you already / how much are you using reuse, refill and repair services?
	
	• The Refillery closed in my neighbourhood, and I have not been refilling anymore.
	• I would refill everything honestly, and I used to, but I'm in the same boat as (the previous speaker). NADA closed down, another one that had a refill station closed, the one in Port Moody ended their refill program a week ago. It used to be more accessible, now it's really difficult to find where to refill things. **For me, I would do it (refill) if more places were available. I would use it, I really miss it.**
	  ○ **In terms of repair, the accessibility is where, and how often do they do the Repair Cafes, and how well they advertise to the public?**
		It's noted that Metro Vancouver's marketing on waste / recycling don't have the same reach that the City of Vancouver or RecycleBC have. Where is Metro already sharing resources, via social media?
		
		COVID health concerns changed the refill landscape. Could Metro collaborate on publicizing the Health advisories that reassure businesses that refill can still be safe and sanitary?
		
		It's reiterated a few times that businesses need to be reassured that they can refill and reuse, from restaurants to pharmacies.
		
		Small businesses offering refill struggle to stay open. Many have closed in recent years.

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ A quick thing - typically refill places are your local small business; what I hear from my friends is they mostly go to Costco, especially ones with big families. So they have said - **if Costco had that (refill) option, I would use it.** So if I have to go to Costco AND the refill place, I don't have the time, it's very inconvenient. So if we could take supermarkets, Costco, big places to set up a station, that would maybe entice people who are already going there. • One thing with my Build local Community is I send out a newsletter twice a month with fun things, good news in Vancouver. The most recent one I sent out was the next 3 Repair Cafes. ○ **I think we should be doing Repair Cafes a LOT more frequently. It's only once a year in most of the community places.** ○ **One of the things I found with pop-up recycling is I do it the same time EVERY week. If you try to do it once a month, people always miss it. So, we've got to be much more accessible that way.** ○ The other thing is, the refill part, people have to really change to want to be able to do that. If we could recycle the containers more effectively, that would be great. Like single use coffee cups, **why doesn't the city have the municipal (recycling) bins for containers on Commercial Dr. where we have all these coffee shops?** They're on the West side, but not where we really need it. ○ I know many of the stores I have gone to used to have refillery, and they don't know. Safeway used to have bulk foods, and now they package everything in hard plastic. ■ **Refilling is a great idea but doesn't work that well in practice *(due to the health & safety issues)*.** • Some kind of incentive from the municipality to open businesses like that (refill) is necessary. They create foot traffic and are great for the economics of a neighbourhood; when you refill you're walking by other stores. It makes good sense for the other businesses and services.	**This makes the behaviour less accessible, even for people who strongly identify with and advocate for refilling.** **Boutique refill / small business refill offerings don't make a dent in the purchasing at bigger box stores, e.g. families who shop at Costco need refill options at Costco.** **More frequent and more publicity for Repair Cafes. Do one every week, at the same time.** **Can libraries participate in hosting refill / reuse programs?**

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ To go back to repair and reuse; I've heard some libraries don't get used much anymore. There may be space there. **Could some of our underused libraries accommodate reuse and tool sharing, and hosting of the repair programs?** Maybe not large things, but the small things. ■ *Facilitator note - in Europe, quite a few of the book libraries also have tool libraries.* • Most people look for convenience and unfortunately, refilling takes an extra effort that not everybody is willing to do ○ before Covid, refill was getting some momentum but people and businesses got scared and there were also regulations to prevent containers from being reused • It bothers me that every time I finish a pill bottle, nothing is happening with these perfectly reusable pill bottles. Surely they could be sanitized and reused without being melted down, rebuilt, everyday. ○ *Facilitator note - Recycling in health is much more complicated.* • Before COVID, my pharmacy would actually take my empty container and refill the pills for me. After COVID they said they can't even touch those.	
Strategy Number: 3.3 **Action ID:** 164 What should Metro Vancouver consider to support your participation with this action?	• What is MOST important is to communicate what's available. It's really difficult to get that out. But if Metro Vancouver can get this on a webpage, ad directory, all the places you can repair and refill. And everyone else can point to that. • I say this every time we have this discussion - why are there not more recycling facilities at public meeting places, like the Plaza at Riley Park? Which has a farmer's market every year. NO recycling facilities - so what do they do? They put it in my compost bin. ○ *We need to talk to the Parks Board rather than Metro.* • Consistency - Metro improving consistency - in public areas, the inconsistency between what's available for recycling at, say, the Sheraton Wall Convention Centre - no organics - whereas at the Canada Place Convention Center there's organics recovery.	**There are public meeting places with no recycling bins. How can the region or municipalities work with venues to implement better recycling accessibility? This is named as absolutely necessary in the streetscape.** **Consistency is touted as an important strategy; e.g.**

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ It's just the availability, and always - having a consistent message out there. ○ Also, coffee shops. It's very upsetting that coffee shops with ceramic mugs give their drink-in customers disposable cups still. ○ You can be sitting inside a coffee shop and more than half the people have the disposable cups in hand instead of the ceramic ones available. • Advertise Repair Cafes on social media. • **Ceramic mugs should be the default at cafes** • Bylaws mandating coffee shops to use ceramic / reusable as opposed to single use, as default, and things like that. Things with a little more teeth, a bit more action in them. • The recruitment of one of the local coffee chains, not thinking corporate e.g. Starbucks is international - JJ Bean is still very local, for example. It would be great to see the person taking the order bring out a ceramic mug first, so the customer can say oh no, I want a disposable. But if the ceramic is offered first, they'll (the customer) probably take it if they're staying in. • It's really important to get the City to accept the single-use containers. They do have the blue (Streetscape) bins. They should have them at every block on Commercial Drive. ○ At Continental Coffee at 2nd and Commercial, they had a big garbage bin, and people were just throwing their stuff in there. ○ I talked to them and said, if I have a blue bin here and collect these things, would that be okay with you? ○ I've been doing that for months now, and I get hundreds of these things. And that's just me doing it because I can't emotionally see all that stuff going into the landfill. ○ The City, gosh darnit, should have single use container bins in all of these places. I tried to do it myself, personally, to set up the bins, and JJ Bean, really thought it was a great idea. But the city said no, there's tripping hazards, what do we do about keeping	**organics recycling both at businesses and home.** **More advertisement of Repair Cafes is mentioned, in particular on social media.** **Ceramic coffee mugs should be the default at cafes. Can this be regulated? Can Metro evaluate what makes it difficult for cafes to implement ceramic mugs as the default, and share best practices for how to do it?** **One participant has a pop-up recycling initiative they've been doing on Commercial Drive to divert coffee cups, and they've collected thousands of cups with fairly nominal but consistent effort. How can Metro Vancouver recognize, incentivize and promote this kind of volunteerism?**

Session	Questions asked by Participants	Facilitator Notes/Observations
	things clean. They're more interested in not having to worry about it than doing the right thing. ○ I'm telling you, it's the waste management that is not yet doing the right stuff. I'm really trying to get the City of Vancouver to work on this, because people love what I've been doing on Commercial Drive.	
Strategy Number: 3.3 **Action ID:** 164 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	 • Does this mean marketing the best practices? ○ I am in support of it if they're marketing them. • The action should be more specific - what does sharing look like, how will it be tangible? • It's so difficult to identify the priority on it, there's 200 strategies, and we're only looking at 2 of them ○ I can't say the priority, I can't answer this poll. **Comments on votes**	**There's strong encouragement for this action, although participants ask for more information on what it is being prioritized against.** **Participants want more specificity in the action; where will they be shared? How will reach be measured, how will success be measured?** **There can never be too much publicity about reuse, refill and repair. Engage with community centres, neighbourhood houses, libraries, businesses to reshare and promote the best practices.** **Try to have consistent messages shared everywhere from sports clubs to churches, etc.**

Session	Questions asked by Participants	Facilitator Notes/Observations

	• It's important to get the information out to the widest range possible. The more people who knew about it, the better. There can never be too much publicity about reuse, refill and repair.
	  ○ How to go about that, I don't quite know.
	• The sharing has to go hand in hand with not thwarting anyone's efforts either. If you learned it, want to do it, but can't figure out how or where. It's frustrating and you won't try again.
	  ○ It's expensive - the advertisements on the sides of buses.
	
	Add-on question: How could this (content Metro would share) reach you better? Where does the messaging matter most? Any other considerations to add?
	
	• I don't know about me, but I do wonder about the children.
	  ○ This is a long-term project, we should think of those who are living with the mess
	  ○ Generally curriculum is not directed municipally, it's a provincial thing, but if Metro Vancouver can introduce and reiterate the importance
	  ■ No non-reusables in schools.
	• I think this should be a high priority because these programs are essential if we want to reduce waste long-term. Especially younger generations who are not aware. Many youth are opening up small businesses like coffee shops or matcha shops, and are only using single-use plastic not offering re-usable cups.
	• I don't think enough people know about reuse, repair, and refill. But, if we can convince the community centers and the neighbourhood houses to advertise repair, and the reuse events that are going on.
	  ○ If we had a schedule at each community center, so people would know what's going on, that could help.
	  ○ I want to add in, we should do the pop-up recycling so when people are bringing in recycling things we can say, AND, do you see the schedule of repair and reuse that's going on	

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ Get them started with the easy stuff - bringing in your plastic bags or batteries, and we naturally educate them on the next level they could go to. • Further to (the other person)'s point; anywhere people gather - Churches, sport clubs, the education is consistent, and ever-present.	
Strategy Number: 4.7 **Action ID: 159** If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	**How easy or difficult would it be to engage in this? What makes participation easier?** • I get a lot of experience with the pop up recycling, people say "I'm told this all goes to Asia or is put in the landfill anyway" ○ I find that the plastic is turned into pellets they can use for 3D printing. The styrofoam is processed for construction material. ○ The batteries, 95% of the elements can be reused, and the batteries are much more valuable than the ore where the original elements come from. ○ If we had a list of all these things, how they were used, and what happens, that would help. ○ People are frequently willing to LISTEN to what I say, but whether they really believe it? If we were privy to that, and it was very available, "this is what we're doing currently" - and the wonderful thing is technology is improving all the time, so we can do more with these materials ○ People are getting more optimistic. I'm really extroverted and am trying to get people into it, but people are feeling the excitement that things are getting better. You can't just listen to the news that says here are all the bad things that are happening. • Metro Vancouver, carry on with the practice of making people aware of the composition of the materials - of solid goods that Metro Van purchases. ○ Here's an example - I really like it when I see labels say "this garment is made out of 30% recycled materials". Metro	**Transparency in the destination of recycled products is critical for consumer confidence. It will also help advocates and volunteers who are attempting to shift culture and encourage recycling behaviour.** **<u>There's no point recycling if there's no demand for recycled materials.</u>** **Extend transparency to the use of recycled content too - e.g. share statistics about the use of recycled materials in the region. E.g. if Metro Vancouver has a procurement policy for buying X% recycled, share that, share templates for that kind of procurement policy.** **Consumers want to know how their recycled items are actually used, and that it's**

Session	Questions asked by Participants	Facilitator Notes/Observations
	Vancouver is a purchaser of a LOT of things, at least if Metro Vancouver makes a point of displaying or stating on any large object that it purchases, how much of it is made of recycled material; people will get the message that recycling is worthwhile. ○ What if any new home has a new recycling tote, and the recycling tote itself says "this is made out of recycled materials" "your recyclables became this tote"	**actually being put to beneficial use.** **Demonstrate the use of recycled content in purchasing.**
Strategy Number: 4.7 **Action ID: 159** What should Metro Vancouver consider to support your participation with this action?	(Question clarification) How would you like Metro to show this? ● I thought, and I do see a lot from Recycle BC about what they collect, and they do tell you that a lot of it stays within British Columbia and gets recycled here, so I'm not sure what Metro Vancouver should perhaps be concentrating on the compostables that they collect, and how that gets processed. ● There's very, very few people who read RecycleBC newsletters, or Metro Vancouver newsletters. The messaging has to be more broadly shared. ● I do see RecycleBC all the time in my Instagram feed. Lately they've been talking more about where the things they collect go to. I'm assuming that all the stuff in the blue box, the yellow bag, and the grey box, and they've started collecting soft plastics in certain municipalities and putting them in a pink box. ○ *(Facilitator) It seems to be going in all around Metro now.* ○ So when you go into London Drugs and take your soft plastics; theoretically this is going to be turned into something useful next time I go to London Drugs, it will be in the chain to become something useful. ○ So, Recycle BC is telling me about that. So, where is Metro? They're involved beyond that, with what goes in the green bin, and where your paper goes. ■ It's just the green bin and garbage Metro uses.	**Metro Vancouver should evaluate and communicate success of the compostable organics that are collected; there's no or little information on that.** **It's noted folks have the perspective that the messaging is not accessible to the vast majority of people. What influential media businesses or individuals can Metro partner with to get the word out?** **Suggestion to share on the sides of waste pickup trucks what the destination of the waste / recycling is. They're "rolling billboards".** **Similarly, can businesses be encouraged to include messaging on e.g. the side of**

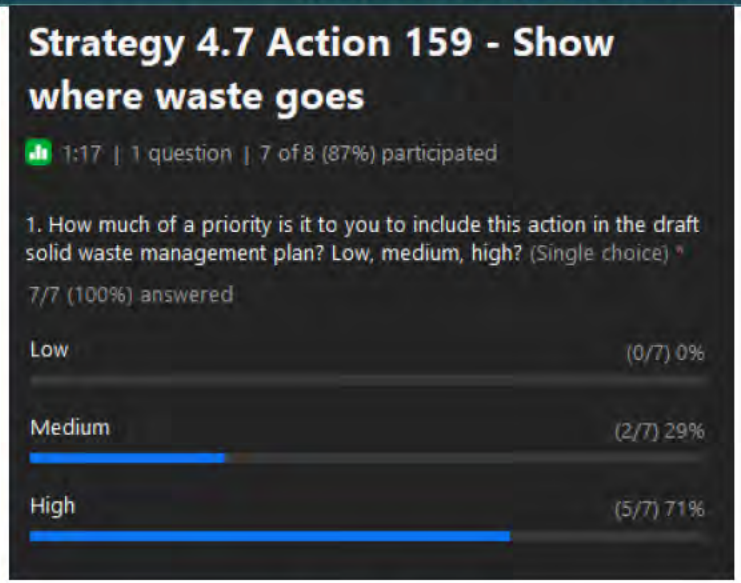
Session	Questions asked by Participants	Facilitator Notes/Observations

	• Could they put more specific information on the side of the trucks? The garbage trucks, recycling trucks, green bin trucks. Huge area, we see them every week, they could put a lot of information there. It's in a form that could be easily replaced, like stick-on posters.
	  ○ Give us up to date information on where it's going. What you've just put in their truck, where it's going.
	• When I think of downtown Vancouver, you see so many of those trucks. They're rolling billboards.
	• The new immigrant guides, having personally been on a bus and explained to new immigrants that we don't throw wrappers out. I can do this, because I'm Asian. I can go to Asian people and say "we actually keep our wrappers, and we wait until we get off the bus and go to the garbage can"
	  ○ It's so handy being a person of colour that way, because I've also approached people who aren't yellow like me, I've gone to brown people, white people who don't seem to speak english. I seem to have that kind of license.
	• Maybe Metro Vancouver can hire people to do these kinds of jobs as well.
	• This might be off topic, but can Metro mandate, say, Vancouver did put a 25 cent deposit on non-reusable coffee cups and cold beverage. If Metro did this - can Metro mandate, in addition to your logo, Starbucks or JJ Bean, can you put in 25 words in large type saying "this container can be recycled in British Columbia, just put it in your blue box"
	  ○ Going to what the other was saying - people don't believe that recycling actually happens - perhaps you put some link or a QR code to a website that tells you what the recycling process is, for different materials.
	  ○ It could save your municipality money and your taxes will go down,
	• Make the people who are using it, contribute somehow to the whole system, beyond making the money on it.
		branded coffee cups, that this material is recycled in BC?
		
		Can Metro Vancouver consider hiring people to be community educators, especially for immigrant communities?
		
		Metro Vancouver should be promoting how exceptional its recycling system is.

Session	Questions asked by Participants	Facilitator Notes/Observations

	• I missed telling you about REUSE stories. I'm going to do it quickly. I went to my cobbler and asked if I can fix my shoes to give them to charity; the cobbler said no, I think they're on their last legs.
	• I'm sorry, I am jokeless. But I'd really like to see Metro Vancouver point out our exceptionalism. Because, we are doing well compared to others, and it would be a way of refuting what is often seen by people in the media, that's actually national or international news, or even just not Metro Vancouver, about how badly things are done. Or how deceptive recycling is.
	  ○ Metro Vancouver is really trying hard, and we're not using deception when we share. We're not shipping to Asia our raw collected plastic water bottles. We're doing good.
	  ○ So why can't we brag about that? And refute what's not true?
	• Celebrate our wins.
	• Even CBC knows, bad news is selling news. Good news is not always selling great. All the TV stations and papers are looking to show how things are actually not good, and not going according to what they're supposed to.	

Session	Questions asked by Participants	Facilitator Notes/Observations

Strategy Number: 4.7
 	
Action ID: 159
 	
How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high?
 	
Is there anything else you'd like to add to the conversation on this ACTION?
	
	• I CAN respond to this one. The other one was not - this seems to be a much EASIER way to get the message out. It's a GOOD NEWS and educational component. I really want to see this.
	• It's easier to grasp. It's easier to hold. Of course we want to show you where your waste goes, and how it's processed.
	  ○ The first action is more general, more nebulous.
	• I think we have to take time to talk about volunteer, pop-up recycling. This is something we can really do effectively. I've got years of experience doing it. I even have a sticker station that I use to entice people to use coloured stickers to vote on different things. Things work out really well, we should be able, as volunteers, to do this. Because it's really simple to do. Especially if we can do it at a location like a community center, or neighbourhood houses.
	  ○ I don't know if we could do it at schools, but schools would be great as well.
		Greater transparency on the supply chain for recycling - where it goes, how it's processed, where it gets reused, and the use of recycled content - is seen as an important win, and a more tangible benefit than just sharing best practices (the prior action discussed).
		
		The participant with the pop-up recycling initiative is retired and interested in collaborating to propagate his model for collecting recyclables in community.

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ I'd love to communicate with Master Recycler and get this sorted out. I am retired and have lots of time to work on this.	
In closing, please say a few words not about the two actions only, but how important is the whole engagement? Is it valuable, is it something hopefully can promote a better solid waste management plan and so on?	• This is a much more effective event than I thought it was going to be. Thank you very much for doing this. • Ditto - I got a few things off my chest, and I had nowhere to put them before, so this was a really great opportunity. Thank you so much. ○ I'm also very curious what Metro Vancouver is going to conclude about the pilot program for the pink boxes. I understand in West Vancouver there's a curbside flexible plastic collection going on right now. Personally, I hope it works really well for them so that it becomes widespread. I run out of kitchen counter space for cleaning plastic bags. ○ *Facilitator - understand downtown and Kitsilano will get the pink box by March. And Recycling Alternative will be collecting it.* • I'm glad Metro Van is doing something. That's encouraging. I'm also waiting for what they're going to propose. ○ *Next Thursday, we're going to do the same session, you're welcome to register.* Question • Does the solid waste management plan relate back to climate action? ○ *Facilitators confirm, yes.*	**Folks are excited about the pink box for collecting soft plastics at the curbside. Everyone wants it in their neighbourhood.** **Folks are very glad for this opportunity for the focus group. They're encouraged that Metro Vancouver is engaging with community and getting input.**
Other Strategies/Actions engaged on?	n/a	
Next Steps	• I want to let you know I finished the survey as we were talking here, it's really quick and easy. It's not completely up to date - repair cafe count is listed as 2023.	

Session	Questions asked by Participants	Facilitator Notes/Observations
	• I am feeling really hopeful. I LOVE that Metro Vancouver is trying to do this, and engage with the community. A lot of these topics have been in my mind, and I didn't really know if anybody was doing about these things. This community outreach is great, you letting us know this is something that's a priority for Metro Vancouver, and that our voices are being heard, that's absolutely fantastic. • This session was helpful and I gained a lot of insight and I will spread the survey to my fellow peers as well!	

Metro Vancouver Solid Waste Management Plan (SWMP) Collaborative Engagement Activities Fall 2025
Options Analysis Focus Group Notes from Master Recycler Vancouver / SPEC

FOCUS GROUP 2

Format: Virtual
Session Date: Oct 16, 2025, 6:30 - 8:00pm
# of Participants Registered: 7
# of Actual Participants: 7
# of event promotions: 8

Session	Questions asked by Participants	Facilitator Notes/Observations

Opening Slides	• Very affirmative attitude about the addition of 'Rethink' to the waste prevention hierarchy.
	
	Questions
	
	• The 65% recycling rate from the opening slides - how much of that is actually still being shipped away? How much of that is still incinerated?
	• I don't understand how they got the 65% recycling rate; that sounds very good
	  ○ When we talk about the recycling that happens on a home by home basis, it seems pretty good, where plastic and paper goes. But I work at the port, and we go into a food court - they have these different containers.
	  ○ To me it's a hodgepodge, no one knows which goes where. I am curious about that percent.
		An uncaptured opening discussion affirmed that 'Rethink' is a welcome addition to the waste management hierarchy.
		
		Folks want to know how the 65% recycling claim from Metro Vancouver's slides and survey is calculated.

Introductions	**Comments about their interest in the topic:** • Participants from the Master Recycler course over various years • Microplastics research at the aquarium	**Participants are advocates and deeply interested in recycling, reuse and repair behaviours.**

Session	Questions asked by Participants	Facilitator Notes/Observations
	• Have always been interested in reducing, reusing; a value growing up in a rural area, needing to innovate. • Did the Master Composter program, and Master Recycler in Edmonton; would like to know more about how to recycle in Metro Vancouver • Retired pharmacist, had an interest in multi-family recycling though now living in single-family **Favourite things to reuse:** • Plastic bags (two people) • Tinfoil • Whatever she can see; anything - toys, plastic bag, she thinks about recycling and composting, whatever goes back to the earth • Everything and anything!	**The focus group session is seen as a way to get more information about recycling in Metro Vancouver for one participant.**

Strategy Number: 3.3
 	
Action ID: 164
 	
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it?
 	
If difficult, what is it that makes your participation easier?
	• What is Metro's communication strategy around this?
	  ○ Sometimes we get some little flyers 'this is how you recycle', and I find some greenwashing information on it
	  ○ What will the information look like- something we can actually use? E.g. use the reusable mugs, because even if you think you can recycle the cups, they have a plastic liner
	  ○ Refill - my focus on corporate plastic waste reduction - after years of researching refill options in offices, I've been hitting a wall. I can't find suppliers, hence why I'm going to try to start a company on my own with that issue.
	  ○ If you've noticed, a lot of the refill shops have been closing after COVID, or during COVID, so I find it harder to refill for our whole household unless I really take the time to go to places further away.
	  ○ How will they communicate that? Will there be actual actionable items - like MORE information on where can you refill, actually?
		COVID-related closure of refill shops is seen as a major hindrance to refill behaviour.
		
		More input could be provided if Metro Vancouver outlined what the communication strategy specifically is, and asked for feedback on the approach.
		
		Participant notes that the 'how to recycle' flyers seem to contain misinformation/greenwashing - how can the flyers correspond with 'deeper dive' information online to clarify messaging?

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ Are there QR codes that will immediately give you a map of refill shops in the Vancouver area? ○ Something EASY - people don't like to do hard things ○ When I speak to people in my office on recycling, everyone feels great that they're doing recycling and putting items in the blue bin ○ What we also know through the recycling program, comes with a bit of greenwashing. A certain portion of it doesn't get recycled, or is shipped overseas or burned. ○ So, refusing and reusing more efforts, rather than just making people feel okay about recycling. • I'd like to see the principle of the 15 minute city brought in. I'd like, within a 15 minute walk or transit of my home or workplace, to have these amenities available - for reuse, repair, refill. ○ I'd also like to see TEAMS that are SPONSORED by Metro Vancouver. ○ Part of the engagement process is looking for volunteers to organize an event. That's the hard bit. But if we had the package so Metro Vancouver sponsored a team of enthusiastic "Zero Waste Technologists" to zoom into your workplace, school, church, community center, and what the volunteers at the center do is just the venue and some kind of lure, like a free donut if you bring your own reusable mug - something like that could work for engagement. ○ There's a lot of negativity out in the world, and if these events could be associated with something fun and festive; people show up and feel good after they leave, I think that's a big help. ○ What the other said, it's REALLY hard to refill right now, and reuse and repair - even in North Van, I have to drive about 20 minutes to get to my Zero Waste center. ○ Make it easier for people; a 15 minute city - Metro is already embracing that	**Transparency in the effectiveness and destiny of recycling was mentioned as a requirement for effective communication to encourage recycling.** **People present ideas for businesses that could promote or enable refill behaviour; can Metro Vancouver provide case studies, example business models, or showcase successes as a part of its communication strategy to promote these behaviours?** **The link between individual desire and the easy "one-stop" access for refilling and/or reusing in the city is made again; sharing best practices for the consumer isn't enough if there isn't relatively easy access to businesses who can meet their needs.** **Marketing suggestion to target youth, and youth influencers - making it cool to reuse at school. Does Metro's existing superhero campaign reach younger audiences?** **An immigrant to the region who's lived in Metro Vancouver, who is**

Session	Questions asked by Participants	Facilitator Notes/Observations

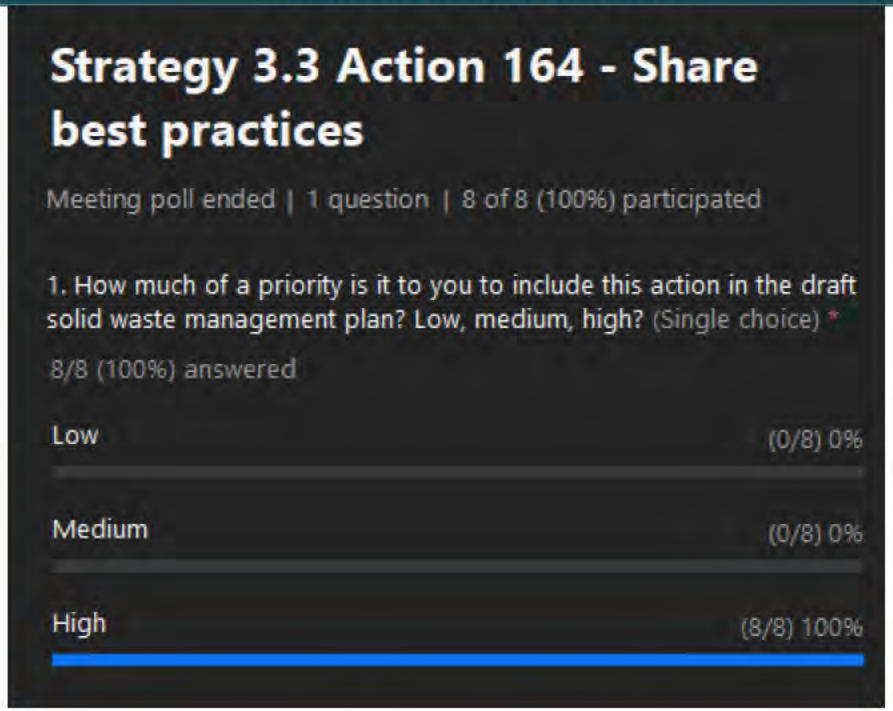
	• Just HAVE containers that, like in a food court, have containers that are clearly marked where you can put items.
	  ○ As far as getting the message out; the message would be defined by how well the practice is.
	• When people were talking about refilling - back in the day, it meant your milkman came and refilled your milk, and your cheese. Maybe, the possibility - people have gotten used to their groceries delivered, and their takeout food, and those prepackaged meals like Chef's Plate - it might be cool if the city or region started cultivating the practice of getting things refilled through door service.
	  ○ A lot of things people have embraced that were old school ideas that were back in our daily practices
	  ○ Also - thinking about youth, who have embraced and 'verbed' it, calling reuse 'thrifting' - a lot of people in the under 30 age group are really fired up about reusing clothing, thrifting.
	  ■ So, leveraging the thrifting movement to create an opportunity to have the youth not drinking coffee beverages in disposable cups. Everyday, I see a parade at 3:30/4 o clock of iced coffee. Just to make that correlation that reuse is across the board - why not have your coffee in a cup.
	  ○ I'd pick something specific, drilling in on the youth generation possibility here.
	  ○ I would say no, the demographic would be more inclined to learn things at school, make it cool, be part of the crowd that is not using a plastic cup to have your coffee. Understand it's not really recyclable when you drink coffee from a plastic-lined cup.
	  ○ They're really about the influencing culture, and the younger generation would influence the older generation who is actually used to drinking out of reusable / china cups.
	• Get statistics about how much you are saving by refilling or reusing
	• Living 10 years in Vancouver I didn't even know that
		interested in recycling and an advocate in her community, pointed out a lack of access to Farsi-based materials. We directed her to the multi-lingual resources on the Metro Vancouver website - and, her points made an impression, with questions about what Metro can do with local BIA's or community groups to get multi-cultural information out.

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ As an energy mentor with a company in the past; I communicate with many organizations like BC Hydro, Fortis BC, CleanBC, even educating someone about recycling, saving energy, saving money ○ I find it really, some point that we can work on the immigrants, because they don't have so much knowledge on exactly how they can compost, recycle or the other initiatives ○ I would be happy if I can share my experience, and if there's any opportunity to share and bring lots of my experience and ideas for Metro Vancouver. ○ There are MANY Persians or other immigrant groups who don't know any concept about recycling and reusing ○ That would definitely be her interest, if she had any chance to give her any connection, the best person for assistance. • The majority of my fellow citizens throw things in black containers that go into landfills; even conscious and wonderful friends. So, how to reverse that is the most challenging - we're obviously failing to a large extent. ○ I actually think we've got the best system, with all its flaws, aren't we further ahead than anywhere else in Canada? And is there any jurisdiction that's more ahead in recycling than BC? ○ The Reuse Revolution is the next goal, the next step in everything that Vancouver's already doing in the Reuse, Sharewares - people reusing containers from small companies. This is them going out ahead, and Metro is obviously trying to do their part, so advertising in ANY way, in ANY mode is going to show people that there's something BEYOND recycling. ○ A lot of people are not happy, they think recycling is a waste of time, so advertising REUSE and getting that message across is a good idea.	

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ How can they get the message across? The Return It cartoons that I thought were highly effective, where Metro has hired ad companies who are experts at targeting different groups, whether they're immigrants or old fogies with white hair, or they're young people who only go on Instagram. I think it's up to them to decide which are the groups that are most important to focus on, and an Ad agency would then be able to most effectively target which combinations of media would be the most effective.	
Strategy Number: 3.3 **Action ID:** 164 What should Metro Vancouver consider to support your participation with this action?	• I'm all into participating in reuse, I do as much as I can. I'm having a bit of trouble dissecting this question. ○ Seeing more readily available opportunities in everyday living; so, more restaurants and grocery stores ADVOCATING or having SYSTEMS IN PLACE that allow for reuse. ○ Like bringing my own containers to take food away from a grocery store, or a restaurant. ○ For me, I do it anyway, so I don't think Metro Vancouver sharing best practices will help me - but certainly for the larger population, I think tHEY'RE the ones that need to know. ○ For example, if I bring my own containers to a restaurant or bakery to go - the staff and employers thank me for doing that, but it's them wanting to take the initiative to do that, and then on the other side, the customer base needs to know that there's a space for them to have those options. ○ You see signs like "Safe place fo rLGBT community" - it's okay to be , something similar like "It's okay to bring your own container, at the deli, the restaurant, etc" ■ They value this, they're supporting me doing this ■ If I do it, someone next in line sees me doing it and it catches on like that ■ But it's about KNOWING that it's even an opportunity	**People struggled to understand the question; wondered whether the question was if Metro expects citizens to participate in sharing resources, or participate in the targeted behaviour (reuse).** **Having visibly obvious reuse/refill/repair systems in everyday life is the best communication.** **Provide best practices / advice for customers to bring their own containers, and guidance for businesses on how to handle customers bringing their own containers.** **In particular, restaurants have to be better informed about the**

Session	Questions asked by Participants	Facilitator Notes/Observations
	■ As an easy first step, so long as businesses are in support of it and are set up to wash tongs that touch containers, etc. • Number one, it's not clear to retail shops, butchers, and bakers that it's OK to refill people's personal containers. It's been inconsistent reception where I've been, until people recognize me because I'm a frequent visitor. ○ Also, the other speaker reminded me why I joined SPEC, which was about being a multi - family dweller. Here's something I'd wished for and now I think may be possible - the City of Vancouver has told developers that there is a regulation that there has to be a certain number of bicycle spots. ○ Now, why can't Metro Vancouver specify to developers that there needs to be a dedicated - not a GARBAGE room - call it something else? Maybe a "resource recycling and sharing room" = bit a specific building amenity with standards, maybe invite the interior design group of BC to say something, or the architectural institute to say something ○ Our kitchens have to have counters at a certain height, why can't the recycling room have a countertop at a certain height, with a wash basin, so you can wash your hands after? ○ An inviting room which maybe becomes recognized in some buildings as a gathering space ○ I know some buildings where there's a lot of single people, people love to go out and do their laundry because they meet other people in the building ○ Why can't we elevate the whole experience of separating our recyclables into something like that • One idea - I frequently hear from staff at food service places that "Oh, they can't accept a reusable container because of the HEALTH requirements"	**health guidance that says they can provide refill and reuse.** **Recommendation that multi-family building codes improve further around the requirements for common space to facilitate management of recycling destined for depots. Depot recyclables like soft plastics, etc, will be easier for the average person to participate in if there's a central collection in their building. The City of Vancouver's Zero Waste Ambassador program is cited as an example of a resource bank for activating and supporting volunteers in multi-family buildings, but it's irrelevant if the building doesn't have room for handling more streams. *Can recycling be made a social event?***

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ I often then say, well, what health requirement are you talking about? And they don't really know but they just are under the impression. Maybe it's a leftover from COVID. ○ My suggestion here, for Metro Vancouver to make a FORMAL request to the Vancouver Coastal Health, to rewrite the entire health requirements not from a point of view of let's - it seems its entirely written from a point of view of saving human lives - which obviously is admirable, but the fallout, and unintended consequences of that, is that our environment that supports the air and water and the things we need to live, are being seriously damaged because of the health department. ○ So, I would request of them that we need them to rewrite the health requirements so that the environment flourishes, and the humans flourish. This will be very difficult for them to think. They have to do some research. • Adding to the prior point - Prov BC does have protocols in place for resto's to accept reusable containers....it does exist...but to Brian's point, restaurant's don't A. follow it, B. know about it C. don't set themselves up to be successful at it. • Share best practices not just for residents and communities, but for businesses. The businesses will make it a norm through their own systems display.	

Session	Questions asked by Participants	Facilitator Notes/Observations
Strategy Number: 3.3 **Action ID:** 164 How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	 • It's quite vague, what they're proposing, so I have no idea if sharing best practices is going to BE effective or mean anything.	**Folks reiterated points made about needing more clarity on what kinds of best practices are shared, before they can** **Folks also comment that prioritizing is difficult when we're not covering all the other actions this is being compared against.** **Despite these caveats, all participants considered this a high priority.**

Strategy Number: 3.3
 	
Action ID: 164
 	
Anything to add?
	• Can I ask maybe - how can I find out about how much every business gets charged for the waste they produce?
	  ○ I'm asking because one of my pitches for selling up the refill station for offices would be to make a point that right now, business XYZ has to pay X amount of money to have those plastic bottles taken away every month.
	  ○ So yes, case studies about the savings cost.
	  ○ Also - stickers everywhere if reuse is welcome. But also, can coffee shops put stickers on their doors saying 'bring your
		There's interest in financial case studies that make the case for offices and businesses to initiate reuse - can Metro demonstrate the savings that are possible by wasting less?
		
		Consider what lessons have been learned from the reusable bag

Session	Questions asked by Participants	Facilitator Notes/Observations
	own cup' or 'we appreciate you bringing your own cup!' if you see that sticker in your face every time you open the door! It seems like such a simple little fix. ○ They pay for that disposal to take away anyway! ○ I want to start a sticker business now, for shops to put up these signs. • I want to think about examples that are working now... and there are many other municipalities in Metro Van, thinking about the reusable bag initiative, the scenario where we've started switching to reusable bags - there are a LOT of people who've been affected by that, especially in Vancouver,because we had a bylaw first,t and eventually the province ○ Is there a way for MEtro to leverage that experience that we collectively went through as the reusable bag being the example - it's a reusable item, it was uncomfortable at first, but when we changed our habits, now most of us are getting used to it, we don't complain that there's no plastic bags for garbage ○ What are the positive outcomes of that? Has there been less pollution found? Is it cleaning up the landfill a little bit? Is there less pollution in the water? ○ When we THINK about reuse - you guys have already DONE it with the reusable bag, already gotten on board, willingly or begrudgingly, but it seems to be working pretty well. So that shift in mentality; • We have tons of visitors/tourists all the time ○ Can we share something of our mindset, our intentionality around how we use things and reduce waste, with visitors?	**regulations and success, and translate those to other target reuse item replacements.** **Can Metro report any metrics on the impacts of the reusable bag strategies?** **Consider how to reach visitors to the region, both with success metrics and with mindset-shifts. What does Metro Vancouver say about itself as a region, how clear are these statements, and where are they stated?**
Strategy Number: 4.7 **Action ID: 159**	• I guess it would be easy for the transparency. I'm struggling a little bit with the question, too, because, not that anyone cares - a lot of people don't realize that a lot of the plastic gets shipped, who knows	**Participants struggled understanding the question; are they being asked to participate in communicating transparency**

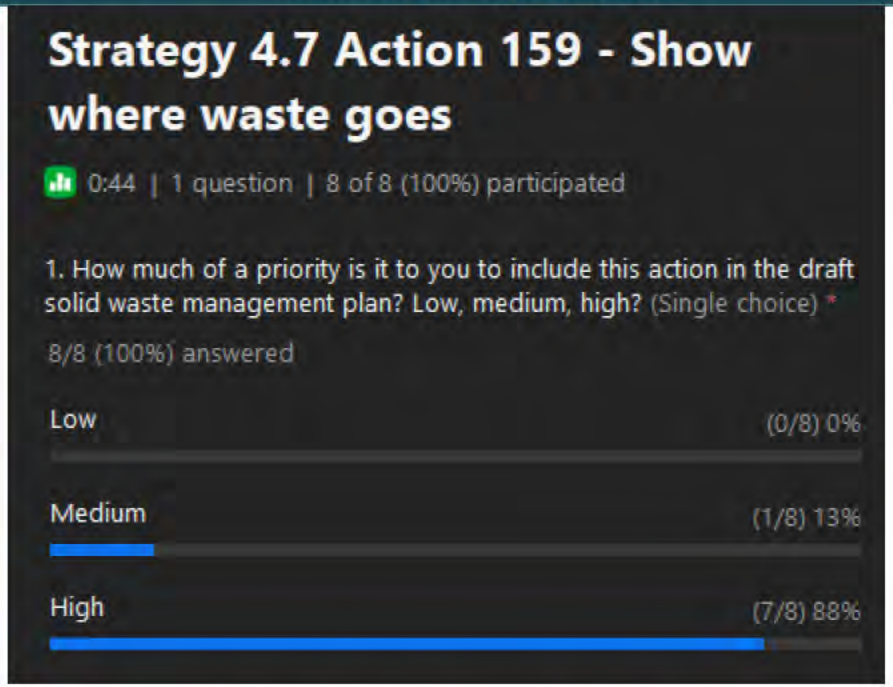
Session	Questions asked by Participants	Facilitator Notes/Observations
If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	where, so if they find out that the plastic gets shipped elsewhere, like the USA, and goes who knows where, they may not recycle as much. ○ It would be better if we fixed the system! ○ My first thought was, it's easy to share and be transparent- but if people find out it's not magically going off somewhere and becoming something lovely, that might be a disincentive. ○ People will throw their hands up if they don't trust. ○ I bought plums in a paper container, which was great. But i bought gatorade in a plastic bottle that was packaged in paper. • Maybe there will be a big kerfluffle and a change, if people disagree with recycled items going abroad. • To be honest, I don't consider myself stupid but I struggle with the questions, too. And I usually get things. So I find the questions difficult, the way they're worded. ○ I relate to the previous answer - if there's more transparency on where things go, they might not feel good about it, because it would show the percentage of what gets incinerated, what gets shipped away, what ends up in god knows where. ○ The truth would come out. ○ This would be most useful only if it also emphasized the REUSE and REDUCe as solutions to the problems, not just finding more local recycling markets. • For me I think it's easier if we're talking about recycling as in composting. I'd love to see an event at the peak of growing season in Metro Vancouver, July-August, a week dedicated to some kind of visible sign that says "local compost used here" ○ This is of course assuming that the organic composting is successful enough to be resold or redistributed as a fertilizer. ○ Let's say to my gardeners - your leftovers are growing my containers ○ To communicate that some good things are happening	**around the recycling supply chain, or being asked whether this transparency would make their recycling behaviours easier or more difficult?** **It's remarked there's a tradeoff with transparency, where communicating that recycling gets shipped overseas with uncertain outcomes for the material being repurposed, this can discourage / disincentivize recycling behaviour.** **Think about transparency and celebrating organics recycling in this action, not just plastics/glass/metal.** **Metro is encouraged to promote where local recycling is happening. Merlin Plastics is mentioned, but especially thinking about compost. A campaign for example for signs that say 'local compost used here' for land projects, or for residents using locally produced compost products.** **<u>Having greater transparency readily available from Metro Vancouver / other reliable sources will make it easier for community</u>**

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ As someone who volunteers for public outreach, I have found it really challenging to defend recycling sometimes, because I don't have the whole story. ○ For example, the only company that I know of locally that reprocesses is Merlin, and even so, I don't know exactly where they are, I've never been there, I haven't attended any workshops that explain what happens to Merlins' processed products, so it is a barrier for me. • Referencing the other speaker - I find what they were saying, dead on - people just put it in a black container ○ The other issue is; how ARE things being reprocessed? How many things ARE redone and recycled properly? ○ It's an informational gap that is HUGE, I think. ○ When you recycle plastic - DOES It get recycled, does it really become something else, another plastic? ○ All that information, I'd love to see. • Sharing information has pros and cons; it's best if things are being done right, more locally, and really turning into something new. • Definitely I agree; transparency is the best way forward for honesty of the customer and who produces waste ○ Honestly, as you mention it; the best way is transparency with REAL data and the exact, real information that you share - at least, on the website or on social media or whatever ○ So, when you make people educated with REAL data, it definitely affects their minds, and they change their thoughts. This is real, this is the concern, this is the wildfire every year - so something exactly; this is the reason behind that. ○ If we show them the real results of recycling, based on real exact data - definitely it can work for them. • I would recommend knowing information. The bottle depots added a few years ago - where each of these materials are getting recycled, and how.	**advocates to explain and defend the benefits of recycling.** **Can a tour of local recyclers be arranged, perhaps a video tour? People find it difficult that Merlin Plastics resists tours and publicity.** **Metro has cause to CELEBRATE the degree of local and in-BC processing. If we are really a world leader in this regard, we should be very clear, transparent and promote that. This will also contribute to an atmosphere of continuous improvement; being transparent means being more trackable.**

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ I don't know how many people read them, but for me it does make a difference. ○ I would highlight Merlin. I think Merlin is a huge, global success story, and to highlight that in BC, most people think that ○ I've been to Merlin. I think they're a very secretive company, because they're afraid that I'm working for one of their competitors who wants to steal their system, so they've been very strangely unwilling to talk to me. But, I think the facts have come out after; it took them years to finally announce what they were up to ■ So, to advertise - everyone thinks only 7% of plastics are recycled, because that's some north american average ■ And the fact RecycleBC is up to 56% and I think the recycling regulation wants them to up that to 75%; isn't that the system. ○ To CELEBRATE that WE'RE leading the WORLD in localizing, and plastics are getting recycled here. • There's a need to know, if you're being transparent, that what we're doing is actually good, and to celebrate where we are succeeding and doing a good job.	
Strategy Number: 4.7 **Action ID: 159** What should Metro Vancouver consider to support your participation with this action?	• I don't feel like it's going to help me because I do it anyway, but I think for the masses, transparency is going to help ○ I think RecyclEBC is one of the best ERPS out there ■ I find their website pretty good in terms of telling stories of where things go, telling the REAL story ■ I'd love to see that amount of information on the other EPR programs. I don't know if they do as good a job as RecycleBC on where their end markets go. ■ That would be a minimum requirement from all EPRS, including the stuff that's collected - RecycleBc is	**Explain not just where the end markets are, but how this relates to behaviour change - how the individual's choices impact the destination and quality of recycling efforts.**

Session	Questions asked by Participants	Facilitator Notes/Observations

	collected at home, but also the stuff you take at the depots, like electronics, styrofoam. Where are the end markets for ALL of the streams that we engage with, not just at home, but also at depots?
	• The other thing - I don't know if - if I know where all the end markets are going and how things are recycled- I don't know if that's compelling enough for some people to participate
	  ○ I think it has to be linked to behaviour change. How does it affect THEIR communities, how does it link to their local community? Is it worse off for the community, is money going outside of the community
	  ○ Is it providing more jobs or not?
	  ○ How is the way we engage with waste and its end destination, related to our personal lives, how is it relating to us locally that would compel us to want to shift our behaviour, knowing the impacts of the data, the implications .
	  ○ Not just how it's getting recycled, but why does it matter?	

Session	Questions asked by Participants	Facilitator Notes/Observations
Strategy Number: 4.7 **Action ID: 159:** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?	 • do you know if there's any indication of how much budget Metro Van is willing, capable and able to put at actually delivering this? There's a lot of IDEA generation, but the more money they have, the more money they're committed to this, the more actions they'll be able to take on? • Or is it more like, they'll take all the ideas and afford what they can • Or is it like, it's not an essential enough service that we can't afford it this far.	**Folks are interested in understanding how Metro will allocate budget towards all the actions; this would help them better provide input on prioritization.** **They want to see a side-by-side comparison of actions that are being considered, e.g. if this action is chosen, what is the tradeoff, what other action might be compromised?**
Other Strategies/Actions engaged on?	Recycling in general was discussed.	

Session	Questions asked by Participants	Facilitator Notes/Observations

Final Concluding Thoughts	• My contribution would be - I wonder, in my world, I feel that we're all like as scouts that go into the future and solve the problems that are coming at us, so when they are presented to the mainstream, we've worked out what does and doesn't work, so the mainstream can adopt them
	  ○ Partly this whole process is that way of trying this out, trying that out, and finding the way that people WILL accept, versus rolling it out in a way that they won't accept
	  ○ But to me, my zero waste world revolves around having a zero waste KIT WITH ME at ALL TIMES when I'm out in public
	  ○ And, to me, the idea of going out in the urban wilderness is the same as going camping.
	  ○ E.g. I'm living on the sunshine coast with grandchildren, and every time we go on the ferry, there's all those recycling bins, and the ferry people tell me they're so contaminated, they have to landfill everything
	  ○ I don't trust any business, any municipality to take care of recycling, so I think it's my responsibility to take it home, always.
	  ○ So if I have a backpack with me, then I've got my zero waste kit and I'm reusing it constantly, and finding out who will take items or reuse them, and if they don't, I just take it home and compost or recycle it at home - so, bingo, actual zero waste.
	  ○ The idea that Metro Vancouver could actually SAVE Money and not put things into recycling containers that are so contaminated
	  ■ Is it 80% are doing a good job, 20% contaminating, and it ends up =in the landfill?
	• Thank you for putting this on, it's been nice to see you gain after a few years!
	• If Metro is able to communicate that idea of Rethinking - what came to me, it would be called - "how to buy the clean future"
		Popularize having a zero waste kit. Explain how to go about reducing waste out in the 'urban wild'. (with regards to sharing best practices)
		
		Metro is encouraged to be creative around marketing the new RETHINK value.

Session	Questions asked by Participants	Facilitator Notes/Observations
	○ It would have a logo that was a four leaf clover, and the four leaf clover would have four actions - so, every time you approach a cash terminal, number one - stop - ■ Number 1 RETHINK! Don't approach the cash terminal. ■ Number 2 - REDUCE - don't buy it. ■ Number 3 - REthink it - is this clean and healthy, what I'm about to buy? Just reflect. ■ Number 4 (petal of the clover) - buy the clean future ○ This will just evolve one step at a time, forever, one purchase at a time. You'll find out - oh, this thing broke, maybe I heard there was something not clean about this. Maybe I don't know if it's clean. So maybe I can, can AI, right there in the store, tell us what's not clean, if you ask it?	
Next Steps	Survey reshared and participants encouraged to please share far and wide!	

Post-Engagement Activity Summary Template

Please use the following template to report on the engagement activities your organization has led on the solid waste management plan update this fall. Please send this summary along with your detailed notes and data from your engagement activities to zerowaste@metrovancouver.org by **October 31, 2025.**

Engagement Activity Summary

Activity:	
Activity Date	September 6 – October 20, 2025, with an in-person event on September 19th.
Organization/group name	Surrey & White Rock Board of Trade
Time/Duration	September 6 – October 20, 2025
Location	Online and in-person at the Civic Hotel, Surrey
Format	Online survey and in-person event: Environment and Business Awards/Environmental Innovation Forum
# of Participants	38 responses
Strategies and Actions Discussed	Survey questions modelled after the toolkit suggestions – responses noted in document.

Appendix

Please Include the following in the appendix:

- ✓ **Raw data/notes from engagement activities** (i.e. survey data, focus group and interview detailed notes)
- ✓ **Digital files and photos from the engagement activities** (Please include any digital files and/or photos of focus group products, such as visual brainstorming activity boards)
- ✓ **Engagement survey data**, preferably in editable form (i.e. word document or spreadsheet)
- ✓ **Participants demographic information** (optional)
- ✓ **Participant evaluation forms**

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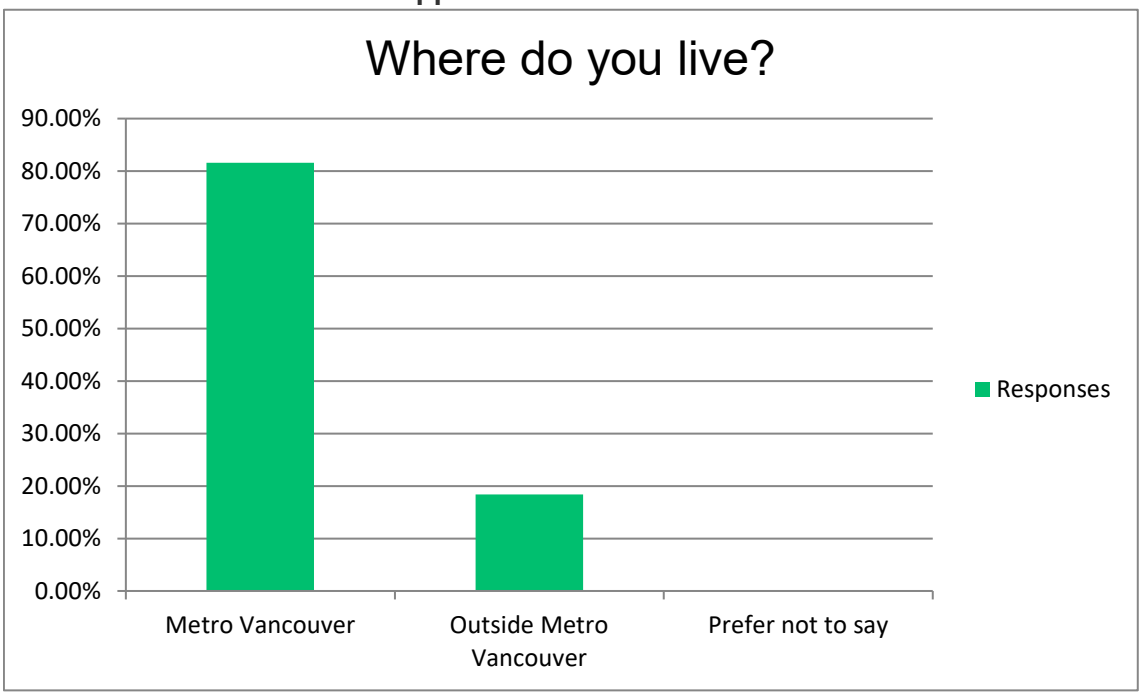
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Solid Waste

Where do you live?

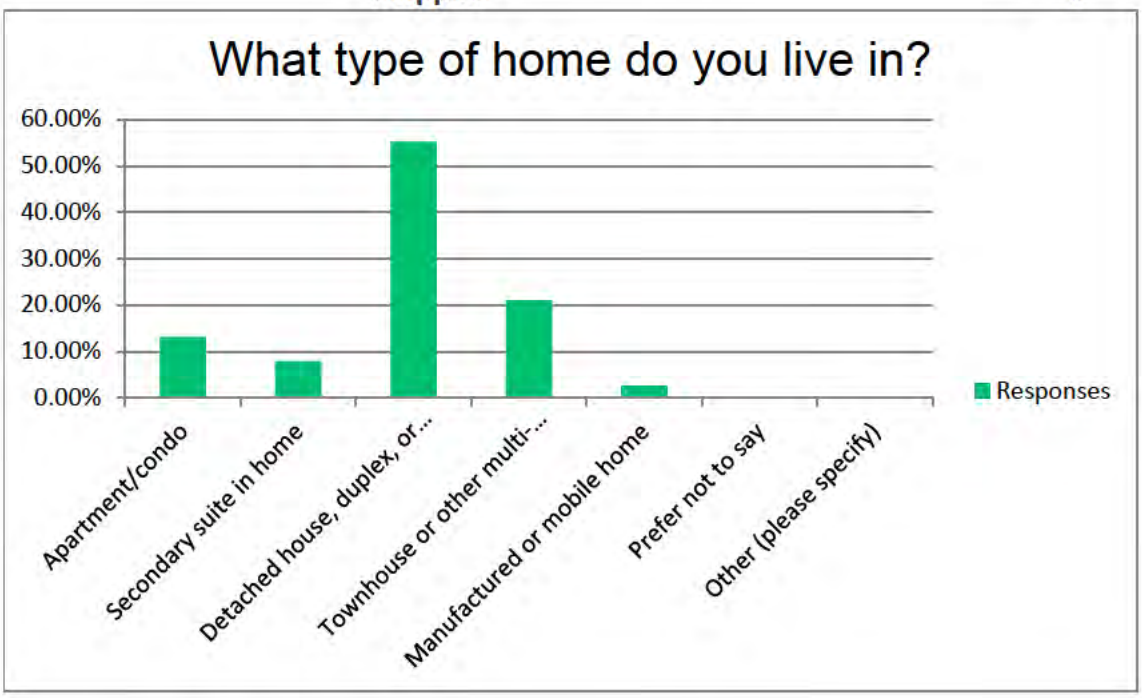
Answer Choices	Responses	
Metro Vancouver	81.58%	31
Outside Metro Vancouver	18.42%	7
Prefer not to say	0.00%	0
	Answered	**38**
	Skipped	**0**



Solid Waste

you live in?

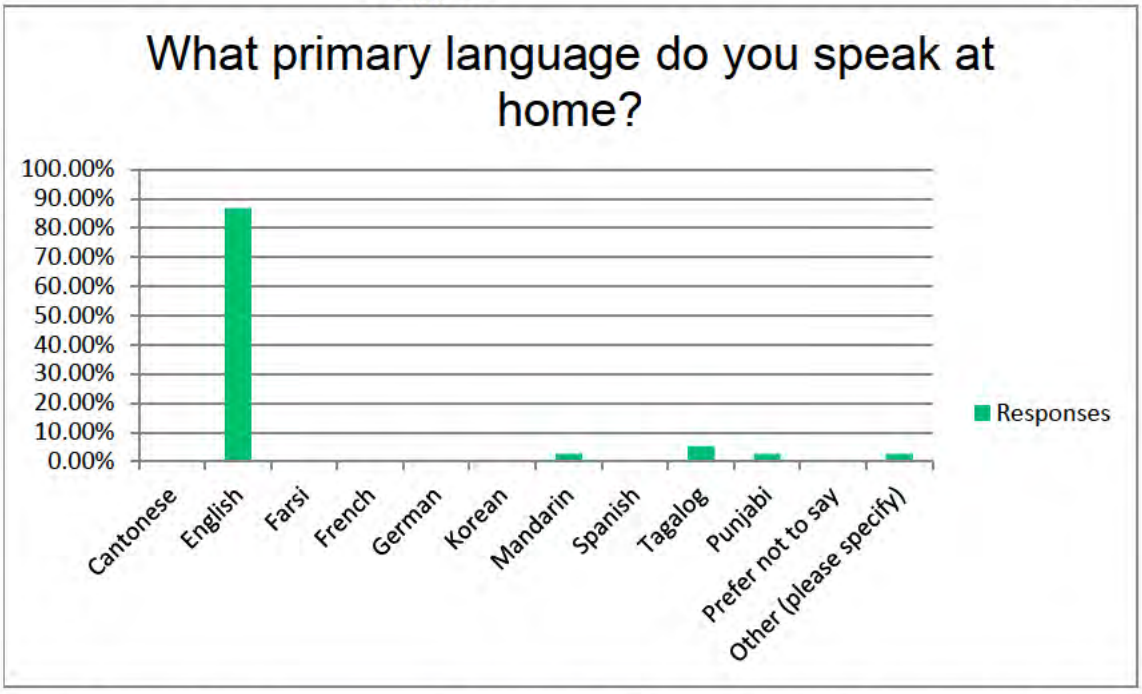
Answer Choices	Responses	
Apartment/condo	13.16%	5
Secondary suite in home	7.89%	3
or triplex	55.26%	21
unit complex	21.05%	8
home	2.63%	1
Prefer not to say	0.00%	0
Other (please specify)	0.00%	0
	Answered	**38**
	Skipped	**0**



Solid Waste

language do you

Answer Choices	Responses	
Cantonese	0.00%	0
English	86.84%	33
Farsi	0.00%	0
French	0.00%	0
German	0.00%	0
Korean	0.00%	0
Mandarin	2.63%	1
Spanish	0.00%	0
Tagalog	5.26%	2
Punjabi	2.63%	1
Prefer not to say	0.00%	0
Other (please specify)	2.63%	1
	Answered	**38**
	Skipped	**0**



Respondent ID	Response Date	Other (please specify)	Tags
114942406862	Sep 19 2025 12:51 PM	Malayalam	

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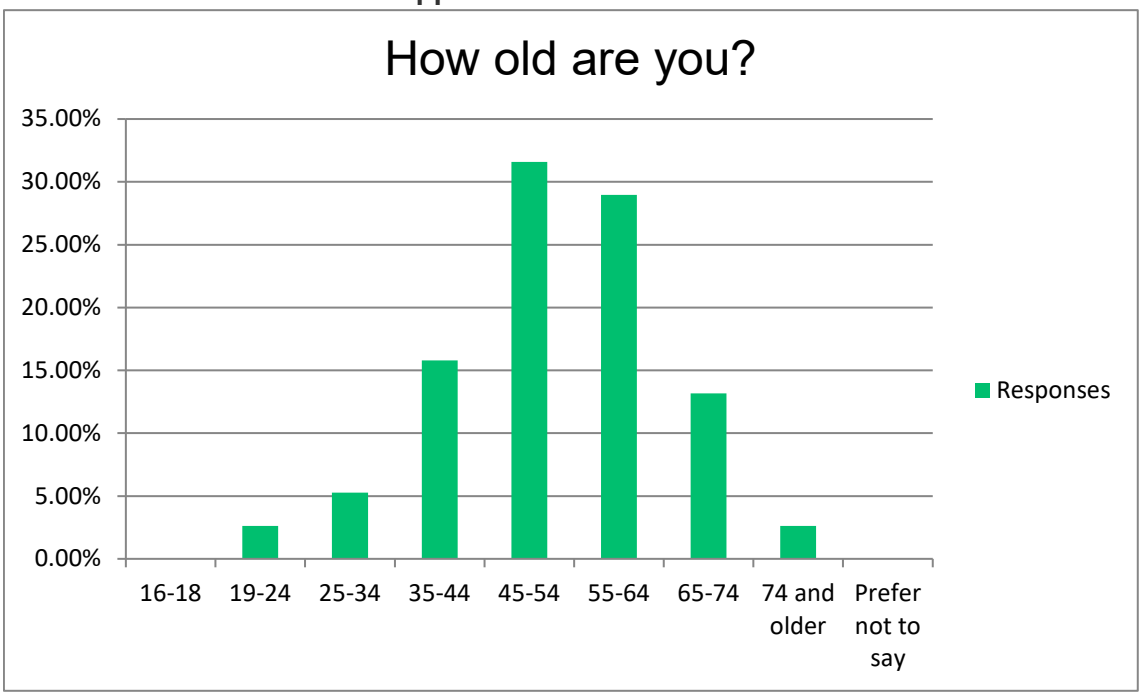
How old are you?

Answer Choices	Responses	
16-18	0.00%	0
19-24	2.63%	1
25-34	5.26%	2
35-44	15.79%	6
45-54	31.58%	12
55-64	28.95%	11
65-74	13.16%	5
74 and older	2.63%	1
Prefer not to say	0.00%	0
	Answered	**38**
	Skipped	**0**



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what you really need

Answer Choices	Responses	
my budget	64.71%	11
recommendations from	35.29%	6
If I would use it everyday	29.41%	5
easier or more convenient	47.06%	8
make me feel good	11.76%	2
getting new things	5.88%	1
If the latest version or has better features than what I already have	0.00%	0
I saw it on social media, a reality show, or online	11.76%	2
The environmental or ethical impact of the item	23.53%	4
The quality or how long it will last	47.06%	8
I usually buy things on impulse without thinking much	11.76%	2
Is there anything else that is not listed above that's important to you when deciding if you need something?	5.88%	1
Answered		**17**
Skipped		**21**

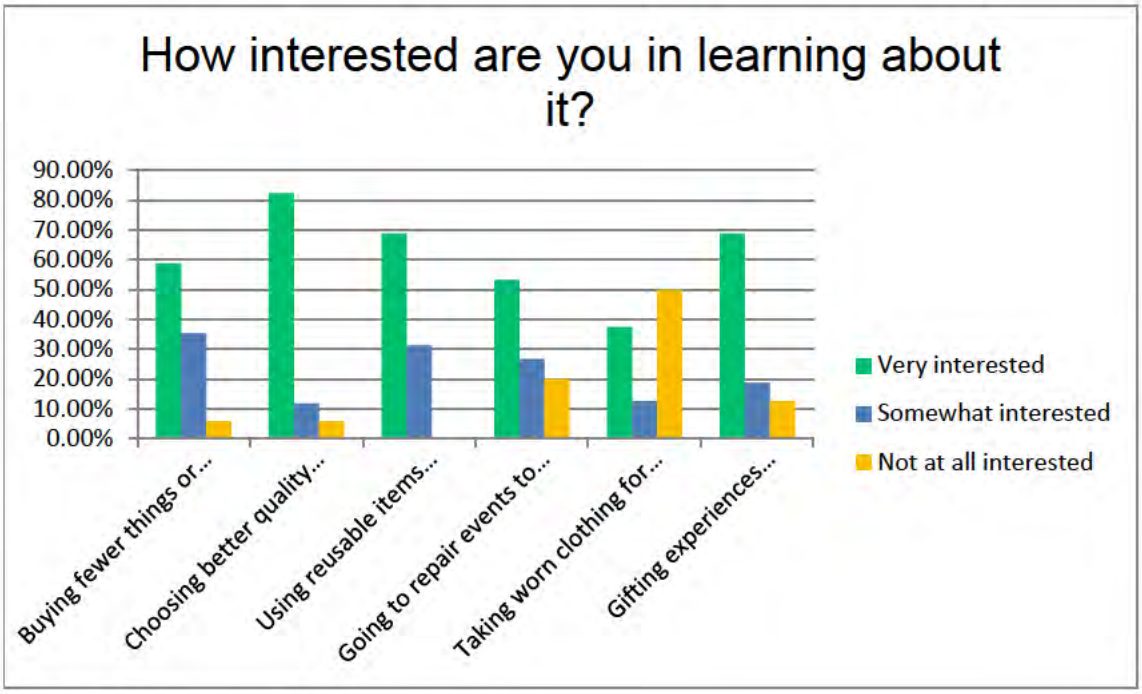


Solid Waste

following.

you in learning about

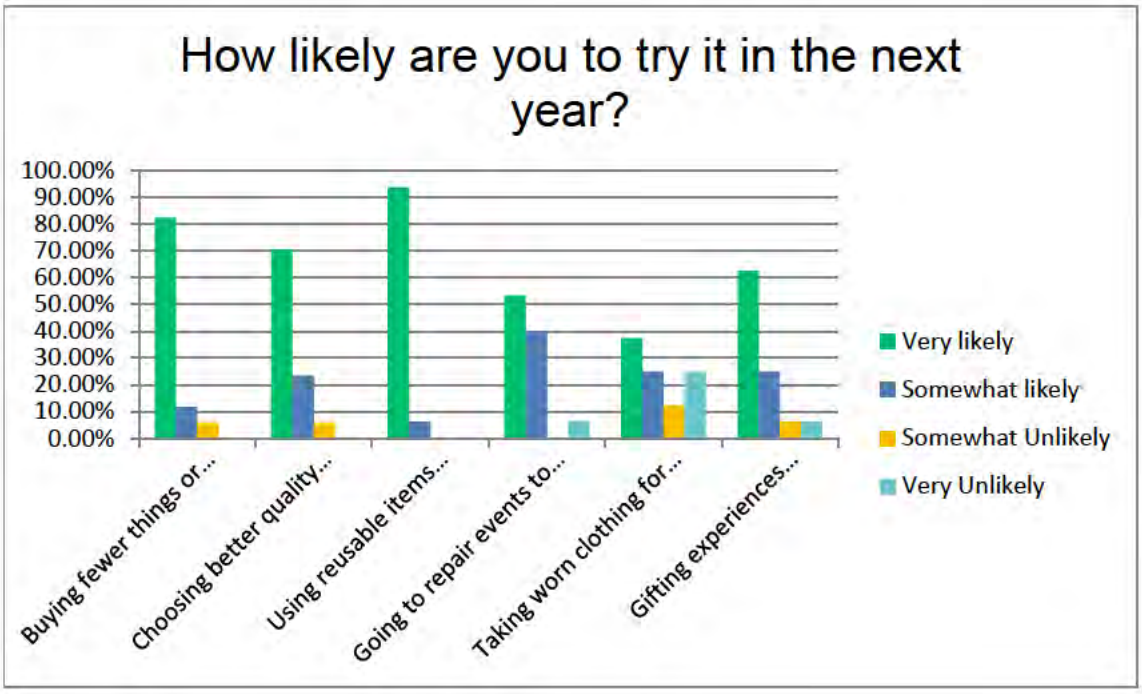
	Very interested		Somewhat interested
mindful buying	58.82%	10	35.29%
items that last longer	82.35%	14	11.76%
(bags, cups, containers,	68.75%	11	31.25%
fix broken items	53.33%	8	26.67%
repair or learning to repair	37.50%	6	12.50%
instead of items	68.75%	11	18.75%



try it in the next year?

	Very likely		Somewhat likely
mindful buying	82.35%	14	11.76%
items that last longer	70.59%	12	23.53%
(bags, cups, containers,	93.75%	15	6.25%
Going to repair events to fix broken items	53.33%	8	40.00%
Taking worn clothing for repair or learning to repair them myself	37.50%	6	25.00%

Gifting experiences instead of items	62.50%	10	25.00%



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do you find

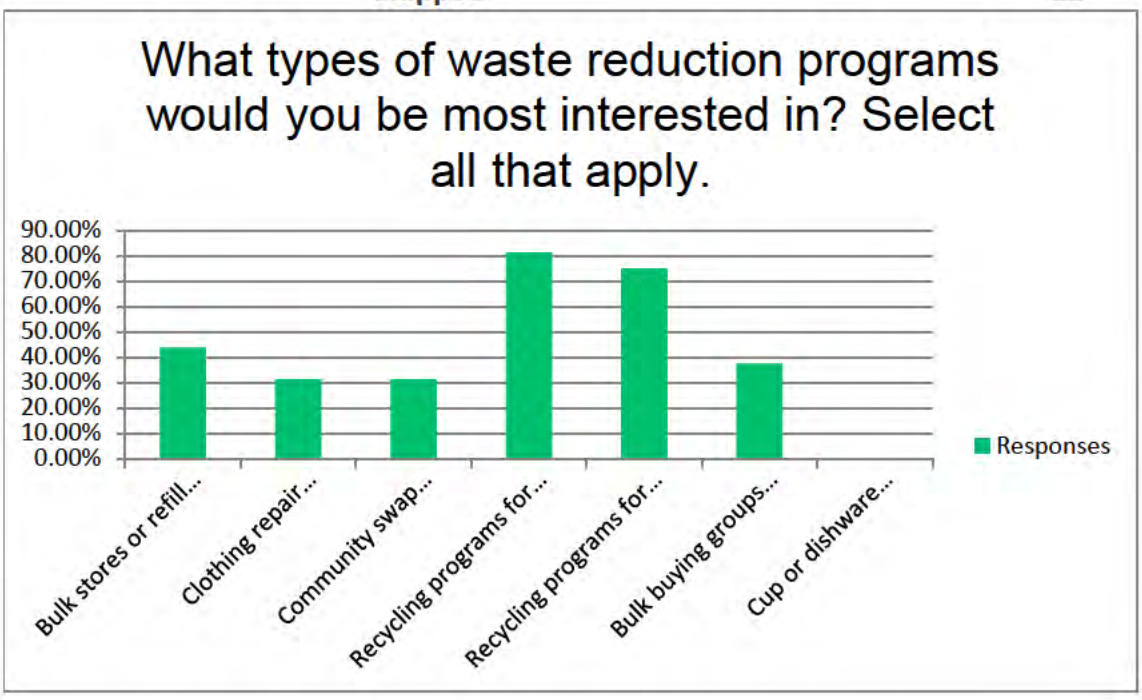
Answer Choices	Responses	
wrappers, plastic wrap)	75.00%	12
chargers, batteries)	62.50%	10
and toiletries (shampoo	50.00%	8
and materials (drywall,	18.75%	3
spoiled food)	18.75%	3
Old clothes or fabric	37.50%	6
Paint, cleaners, or chemicals	25.00%	4
Leftover medicine (prescription or over-the-counter)	6.25%	1
Coffee cups and takeaway containers	18.75%	3
Furniture or home items	31.25%	5
Other (please specify)	0.00%	0
Answered		**16**
Skipped		**22**



Solid Waste

reduction programs

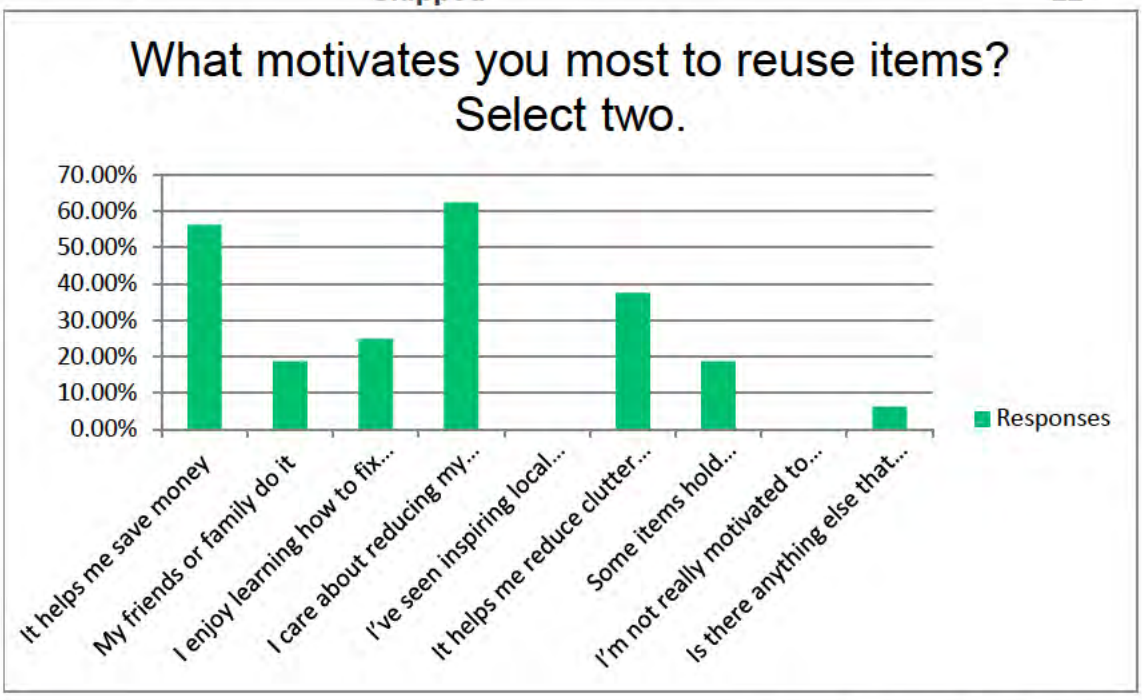
Answer Choices	Responses	
stations	43.75%	7
Clothing repair workshops	31.25%	5
or buy-nothing groups	31.25%	5
used electronics	81.25%	13
packaging	75.00%	12
Bulk buying groups that help minimize shipping materials and waste	37.50%	6
Cup or dishware sharing program that allows you to "borrow" dishware for takeaway instead of using single-use items	0.00%	0
Answered		**16**
Skipped		**22**



Solid Waste

most to reuse items?

Answer Choices	Responses	
It helps me save money	56.25%	9
My friends or family do it	18.75%	3
or repurpose things	25.00%	4
environmental impact	62.50%	10
I've seen inspiring local success stories	0.00%	0
It helps me reduce clutter at home	37.50%	6
Some items hold memories or sentimental value	18.75%	3
I'm not really motivated to reuse or repair things	0.00%	0
Is there anything else that is not listed above that's important to you when deciding if you need something?	6.25%	1
Answered		**16**
Skipped		**22**



Respondent ID	Response Date	Is there anything else that is not listed above that's important to you when deciding if you need something?	Tags

Solid Waste

Some communities have “sharing libraries” where people borrow various items instead of buying them. If there was a “sharing library” in your neighbourhood, what would you borrow? Select all that apply.

Answer Choices	Responses	
Games and puzzles	25.00%	4
Electronics (like tablets or laptops)	12.50%	2
Sewing machines	12.50%	2
Small kitchen appliances	25.00%	4
Electric bikes or scooters	37.50%	6
Tools	56.25%	9
Clothes	12.50%	2
Books and multimedia	62.50%	10
None of the above	6.25%	1
Other	6.25%	1
Answered		**16**
Skipped		**22**

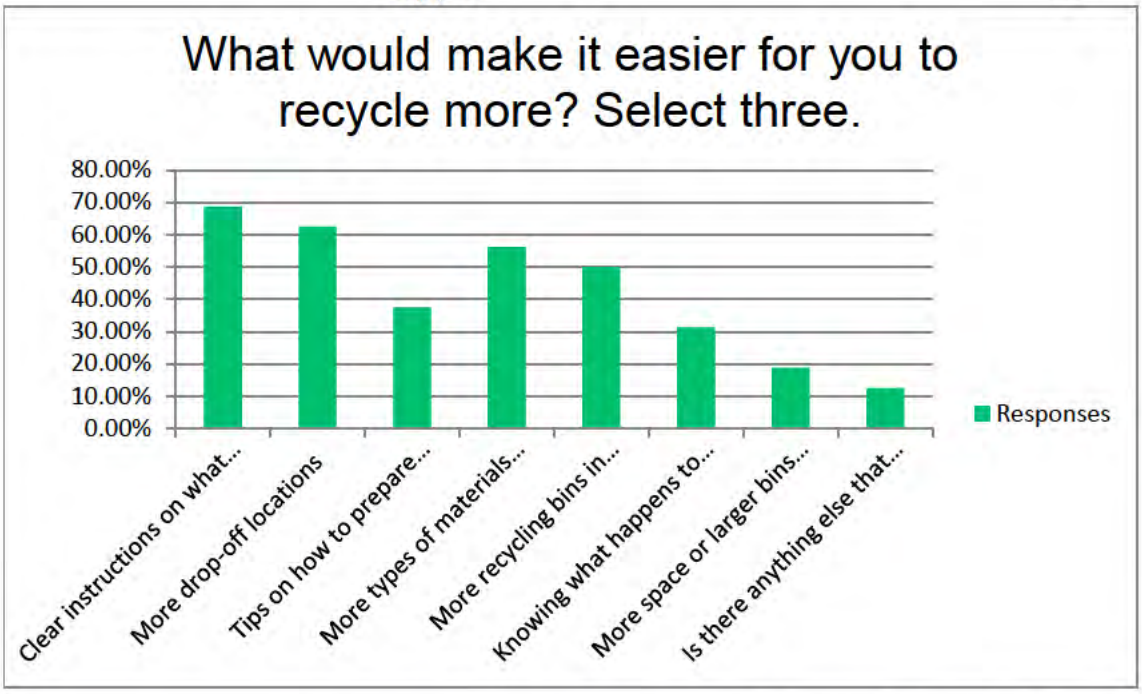


Respondent ID	Response Date	Other	Tags

Solid Waste

easier for you to

Answer Choices	Responses	
can be recycled and how	68.75%	11
More drop-off locations	62.50%	10
recyclables (e.g., do I	37.50%	6
accepted in residential	56.25%	9
public that accept more	50.00%	8
recycled items	31.25%	5
at home to collect	18.75%	3
Is there anything else that is not listed above that's important to you when deciding if you need something?	12.50%	2
Answered		**16**
Skipped		**22**

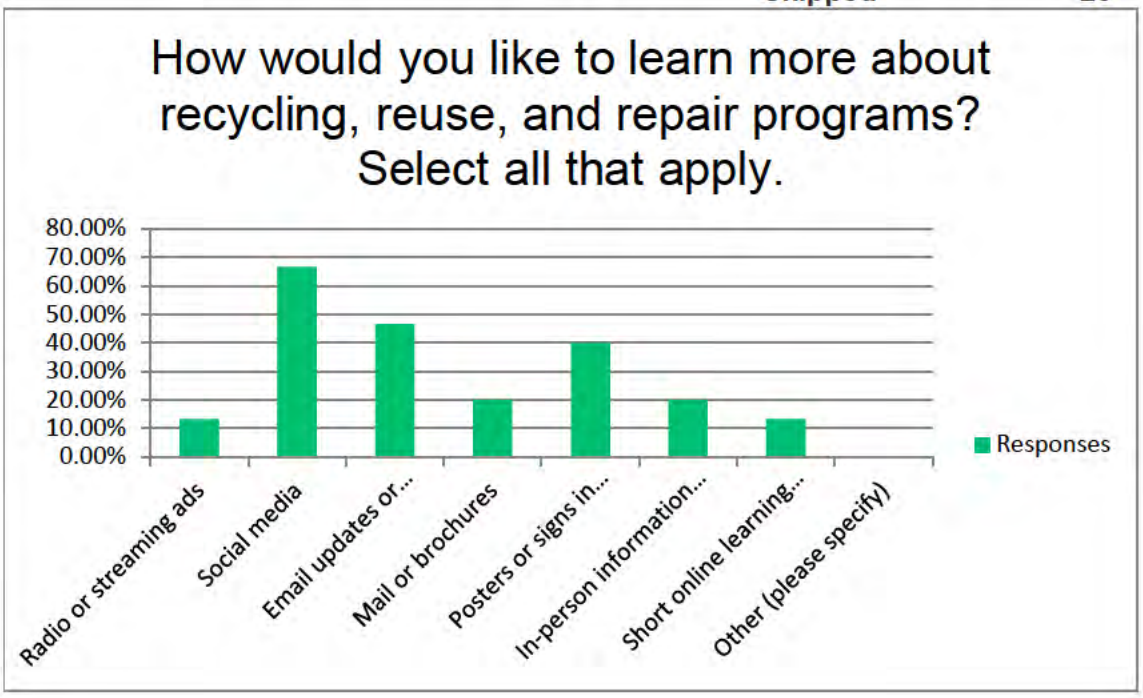


Respondent ID	Response Date	Is there anything else that is not listed above that's important to you when deciding if you need something?	Tags
114947925180	Sep 27 2025 05:22 PM	Have a place where people can have a job to rinse items and remove labels	

Metro Vancouver Solid Waste Management Plan Survey

How would you like to learn more about recycling, reuse, and repair programs? S

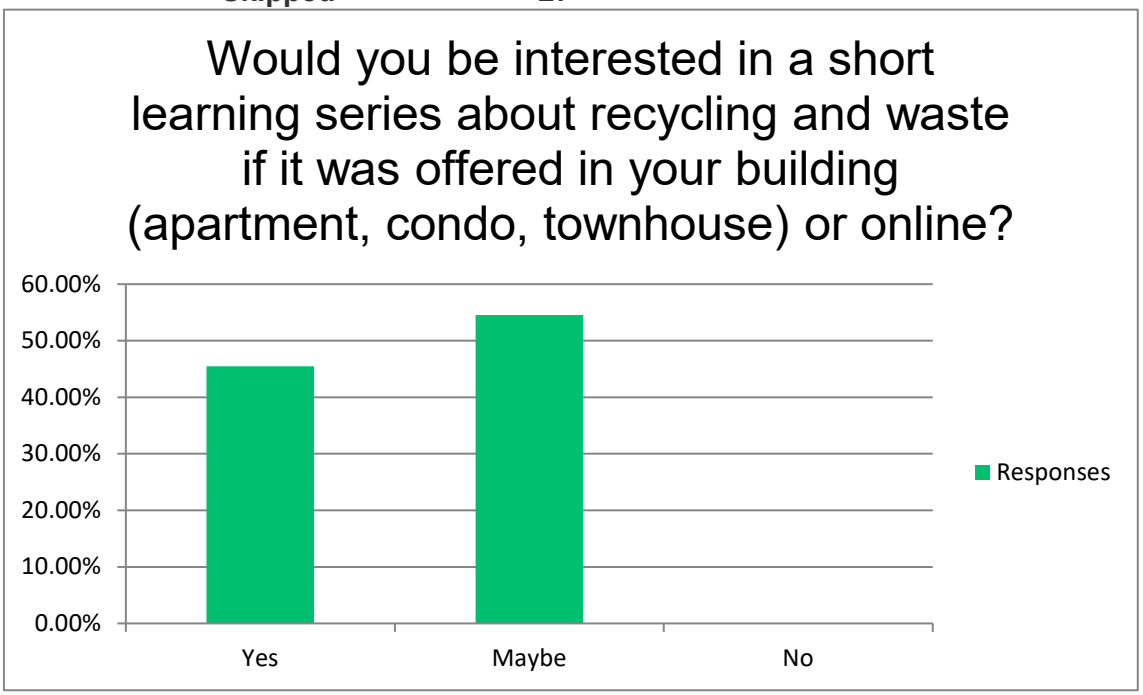
Answer Choices	Responses	
Radio or streaming ads	13.33%	2
Social media	66.67%	10
Email updates or newsletters	46.67%	7
Mail or brochures	20.00%	3
Posters or signs in public spaces and buildings	40.00%	6
In-person information sessions in my neighbourhood	20.00%	3
Short online learning sessions or videos	13.33%	2
Other (please specify)	0.00%	0
	Answered	**15**
	Skipped	**23**



Metro Vancouver Solid Waste Management Plan Survey

Would you be interested in a short learning series about recycling and waste if it

Answer Choices	Responses	
Yes	45.45%	5
Maybe	54.55%	6
No	0.00%	0
Answered		**11**
Skipped		**27**



Post-Engagement Activity Summary Template

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Engagement Activity Summary

Activity:	
Activity Date	October 16th, 2025
Organization/group name	Threading Change
Time/Duration	7:00-8:30pm
Location	Tufted with Love Art Studios
Format	*Button upcycling workshop + feedback session*
# of Participants	13
Strategies and Actions Discussed	ID166: Support increasing the size, number and frequency of repair and reuse events around the region. ID148: Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.

Appendix

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- ✓ **Participant evaluation forms**

• Take notes as close to the exact contributions as possible. Do not paraphrase without seeking permission. For example, it is better to say: “I have noted that you shared about the need for recycling programs and services to be accessible by providing information in multiple languages. Did I miss anything?”

After the session:

• Review your notes right away and clean them up to ensure accuracy and clarity.

• If you have a colleague who was also in the focus group, ask them to review them for accuracy.

Collaborative Engagement Toolkit Templates | 23 • Once finalized, please provide all session notes and feedback received to Metro Vancouver no later than October 31, 2025 at zerowaste@metrovancouver.org .

Notes Format : Virtual
Session Date: October 8
# of Participants Registered: ?
# of Actual Participants: 3
# of event promotions: 2

Section	Questions asked by Participants	Feedback heard
Strategy Number: Action ID: 25 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?		• Only great if you shop very local from brands that are available here. • Very easy to get a garment, but not so easy to send back to brands. • The sheer volume of clothes is such a large issue, feasibility might be an issue. Bringing it back to people who know what they’re doing (ex. sustainable organizations) would be a good idea.
Strategy Number:		• Metro Van can have more used

Action ID: What should Metro Vancouver consider to support your participation with this action?		clothing bins, which can be given to organizations that can reuse it. ● Putting the onus on the consumer, would encourage extending the lifecycle of clothing from the brand point.
Strategy Number: Action ID: How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		● Would be a medium priority.
Strategy Number: Action ID: 47 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?		● Would totally support, very high level of importance. ● Having it more centralized through libraries that would force you to think before buying something. ● Had to spend so much in furniture when moving, FB marketplace is iffy and not always reliable, if the city could have "thing borrowing" it would be good, but most right now are inaccessible. ● Vancouver doesn't have the flea market that other big cities have, if the city could provide something like this it would be great. ● This could reduce the mindset of one time use, would be a great implementation and is of high priority.

Strategy Number: Action ID: What should Metro Vancouver consider to support your participation with this action?		• Policies that make the use of single use packaging expensive, then it can incentivize the business to not purchase these, and instead encourage borrowing.
Strategy Number: Action ID: How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		• High priority; Builds the circular economy, not just for fashion, extends to other household items. • Root cause is policy.
Other Strategies/Actions engaged on?		
Next Steps		

Post-Engagement Activity Summary Template

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Engagement Activity Summary

Activity:	
Activity Date	October 8th 2025
Organization/group name	Threading Change
Time/Duration	60 minutes
Location	Online zoom
Format	*Focus group*
# of Participants	6 - 3 organizers and 3 participants
Strategies and Actions Discussed	**3.3. Foster the broad adoption of reuse, refill, and repair** **ID025 Encourage brands to take back garments from consumers for reuse and repair.** **ID047 Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as "thing borrowing" at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.**

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• Take notes as close to the exact contributions as possible. Do not paraphrase without seeking permission. For example, it is better to say: “I have noted that you shared about the need for recycling programs and services to be accessible by providing information in multiple languages. Did I miss anything?”

After the session:

• Review your notes right away and clean them up to ensure accuracy and clarity.

• If you have a colleague who was also in the focus group, ask them to review them for accuracy.

Collaborative Engagement Toolkit Templates | 23 • Once finalized, please provide all session notes and feedback received to Metro Vancouver no later than October 31, 2025 at zerowaste@metrovancouver.org .

Notes Format : In-Person]
Session Date: October 16, 2025
# of Participants Registered: 21
# of Actual Participants: 14
# of event promotions: 2

Section	Questions asked by Participants	Feedback heard
Strategy Number: Action ID: 166 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	Is there a budget in place?	- Barrier to participation as a student not that much, but social barriers. Having it at places where people go often, (cafes, libraries, local thriftstore,), monthly, frequent, - Subscribe for a ticket - essentially like a classroom so you see the same people again and again. - Hard to find advertising. Need to promote more. We never know. - Promote on social media and posters on bills. - Posters at the library, thrift stores, - Ads on city website - Open to families (have child care included, or make it such that children can also participate.

Strategy Number: Action ID: What should Metro Vancouver consider to support your participation with this action?		
Strategy Number: Action ID: How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		High 12 Medium 1 Swaps are easier and need to be prioritised. Not everyone needs to upcycle.
Strategy Number: Action ID: 148 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?		- Would be cool to partner with makers and upcycle artists. Way to highlight the local businesses. - Partner with fashion schools - There will need to be a range. Not really influencers, but some community artists, that way it can be accessible to community. - Create the infrastructure first, then do the influencing. - The city has good options for thrifting, consignment stores, - Suggest partnering with neighbourhood communities and centres. - People are more motivated to - If it's posted as a solution, if artists that can create public activation events to get the community involved?

Strategy Number: Action ID: What should Metro Vancouver consider to support your participation with this action?		
Strategy Number: Action ID: How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		- Medium (only if they are upcycle artists and can do public events. We want to be offline)
Other Strategies/Actions engaged on?		
Next Steps		

Post-Engagement Activity Summary Template

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Engagement Activity Summary

Activity:	
Activity Date	Friday, October 24th
Organization/group name	Threading Change (joined by Environmental Youth Alliance and Reverb)
Time/Duration	Planned for 90 minutes; Actual 60 minutes
Location	Online - Zoom
Format	*Focus Group*
# of Participants	11: 4 organizers and 7 participants
Strategies and Actions Discussed	

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WORLD CLIMATE ACTION DAY WEBINAR - raw feedback data
Threading Change
Metro Vancouver Collaborative Engagement Webinar
October 24th, 2025

Section	Questions asked by Participants	Feedback heard
Strategy Number: Action ID: 0047 Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as "thing rentals" at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database. If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? If difficult, what is it that makes your participation easier?	This is unclear to me: what does this mean? Sara: (facilitator) Should our local government proactively ask for these programs from the federal and provincial govs, such as rental libraries?	1 participant: "I think just at the beginning, it might be a little bit difficult to sort of build up like, all of these things that we would be renting from. So, you know, you could have people come and donate, but sort of to, like, create a collection of things where people can rent from, might be a little bit difficult, so to have some sort of government, government help with that, in terms of, like, monetary help or, like, actual in-kind donations, would probably be useful, at least at the beginning, to sort of get it running and off the ground." 1 participant: "I agree. I think for me, this is a medium one, because I think it's really important that we should be able to have access to things like libraries, like thing libraries. But what I find especially tends to happen where I live is, or, like, in Vancouver, it kind of depends on the neighborhood as well. Like, a lot of neighborhoods will have things like small book libraries, and they get really populated. Like, they tend to be really concentrated. So maybe just kind of introduce the ideas of what lending libraries are, and then once they're kind of understood everywhere, and they're not so, like, popular in one area, that they're more common everywhere, then start to advocate for it more. So it's like a medium one."

		1 participant (From out of town) “Oh, a tool library! Oh, I love that! You have a whole tool library! I don't know if Vancouver has tool libraries. Regarding participation: 1 participant: “To have some sort of government help with that, in terms of, like, monetary help or, like, actual in-kind donations, would probably be useful, at least at the beginning, to sort of get it running and off the ground.” Is this a priority? 1 participant: low priority 1 participant: medium 1 participant:

Post-Engagement Activity Summary Template

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Engagement Activity Summary

Activity:	
Activity Date	September 20th, 2025
Organization/group name	Tanah Air Project, Ritmos Climaticos, Threading Change
Time/Duration	2:45pm -3.45pm
Location	Vancouver City Hall
Format	*Belonging and art workshop + feedback session*
# of Participants	12
Strategies and Actions Discussed	ID058: Facilitate more community-based solutions (buy-nothing groups, shared fridges) ID086: Work with multi-family buildings to increase donation collection options for clothing/books ID166: Support increasing the size/number/frequency of repair & reuse events

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

- Once finalized, please provide all session notes and feedback received to Metro Vancouver no later than **October 31, 2025** at zerowaste@metrovancouver.org .

Notes

Format : [Virtual or In-Person]

Session Date: _____

# of Participants Registered: _____

# of Actual Participants: 12

# of event promotions: _____

Section	Questions asked by Participants	Feedback heard
Strategy Number: **Action ID:** 058 If Metro Vancouver includes this action in the updated solid waste management plan, how ~~easy~~ or ~~difficult~~ will it be for you to participate in it? *If difficult, what is it that makes your participation easier?*	If Metro Van includes "repair cafes" ...	→ available online access ↳ eg. online zoom groups for meeting ↳ maybe hybrid → low-cost, low-barrier, accessible ↳ in central locations ↳ local community centres → transit accessible
Strategy Number: **Action ID:** What should Metro Vancouver ~~consider~~ to support your participation with this action?	→ include elders ↳ lookup to them as knowledge keepers ↳ collab between	→ community based ↳ local ⇒ ex shop: mend, drink → regular hours → perhaps monthly meetups
Strategy Number: **Action ID:** How much of a ~~priority~~ is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION? ↳ overall high	seniors & youth, intergenerational	→ more capacity (workshops full) → "make it cool" (cool participants) ↳ bring interesting people for example known people

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Notes

Format : [Virtual or In-Person]

Session Date: _____

# of Participants Registered: _____

# of Actual Participants: 9

# of event promotions: _____

Section	Questions asked by Participants	Feedback heard
Strategy Number: **Action ID:** 166 If Metro Vancouver includes this action in the updated solid waste management plan, how easy or difficult will it be for you to participate in it? *If difficult, what is it that makes your participation easier?*	support increased size/number/frequency of repair/reuse event?	→ partnership w/ the libraries, repair ~~[illegible]~~ cafes for clothes → easy to participate
Strategy Number: **Action ID:** What should Metro Vancouver consider to support your participation with this action?		~~[illegible]~~ → more frequent → @ library → central → repair cafe @ library work ↳ easily accessible
Strategy Number: **Action ID:** How much of a priority is it to you to include this action in the draft solid waste management plan? Low, medium, high? Is there anything else you'd like to add to the conversation on this ACTION?		→ High / medium

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Engagement Activity Summary

Activity:	
Activity Date	1 – 26 October 2025 (time survey was open)
Organization/group name	Vancouver Food Runners Society
Time/Duration	Online survey
Location	Online
Format	**Online Food Donor Survey:** At Vancouver Food Runners, we took the Metro Vancouver survey that covered "rethink", "reduce", "reuse and repair", "upcycle and recover", "education & support" and "demographics" and adapted it for food businesses. Twenty-two food business partners completed the survey between 1 and 26 October 2025. In the folder, I have included: 1. The survey we developed 2. The raw data (which contains demographics) 3. The summary data (compiled by Google Forms)
# of Participants	22 food donors completed the survey

Strategies and Actions Discussed	N/A

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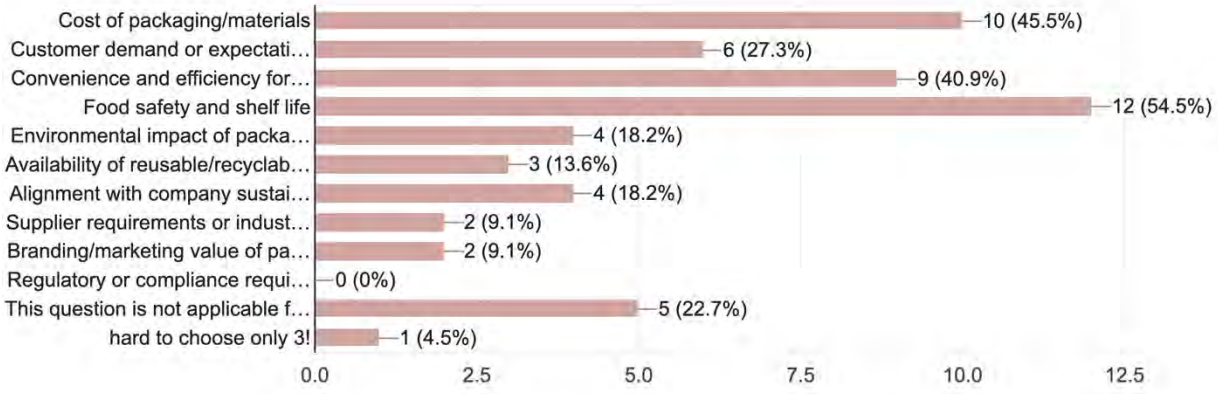
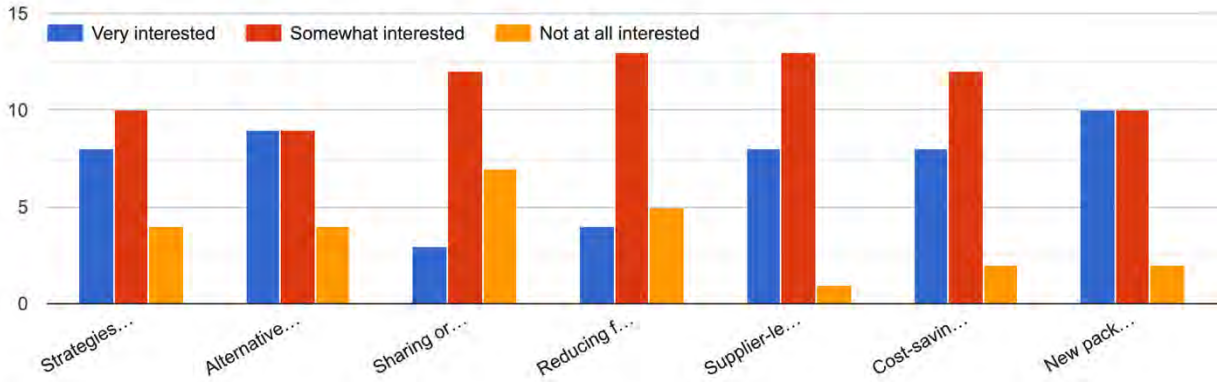
1. When deciding how to source or package food products, what are your TOP THREE considerations?

22 responses

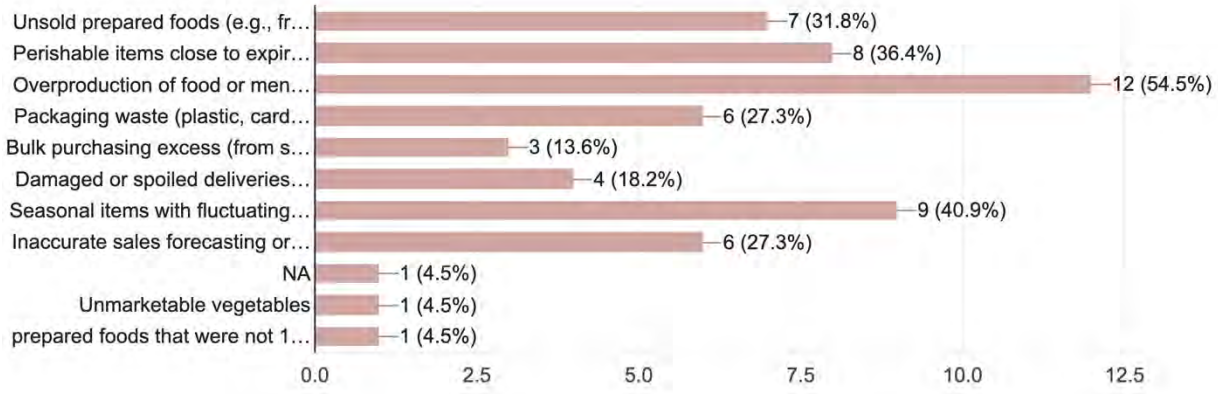


2. How interested would your business be in learning more about:



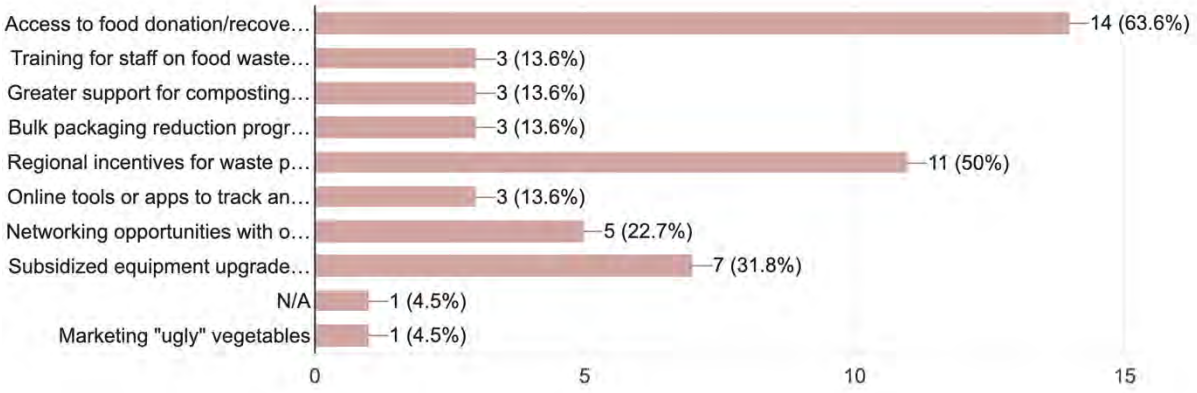
3. What types of food-related waste are most challenging for your business to avoid? (SELECT ALL THAT APPLY)

22 responses



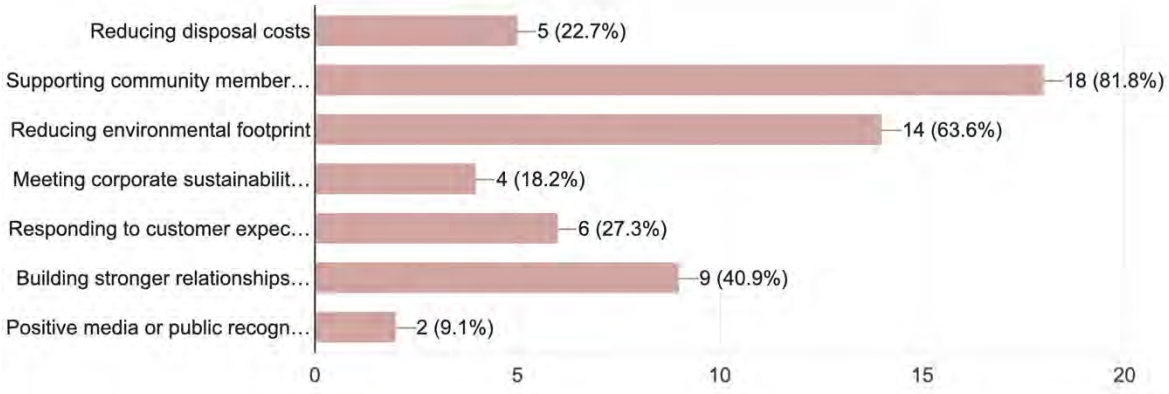
4. What types of waste reduction programs or supports would be most helpful for your business? (SELECT ALL THAT APPLY)

22 responses



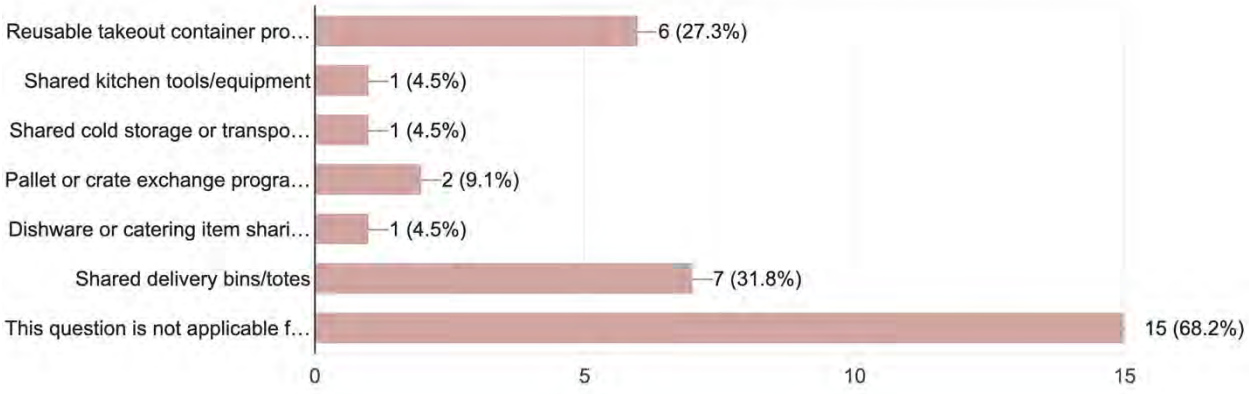
5. What motivates your business most to participate in food recovery or reuse initiatives? (SELECT TOP 2)

22 responses



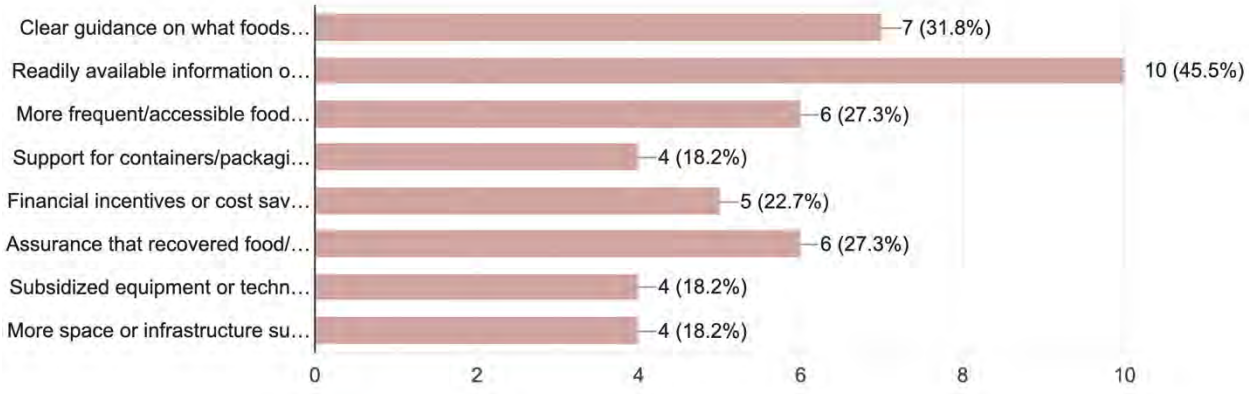
6. If Metro Vancouver expanded "sharing" or pooling programs (e.g., reusable containers, shared delivery totes, equipment libraries), what would ... business consider using? (SELECT ALL THAT APPLY)

22 responses



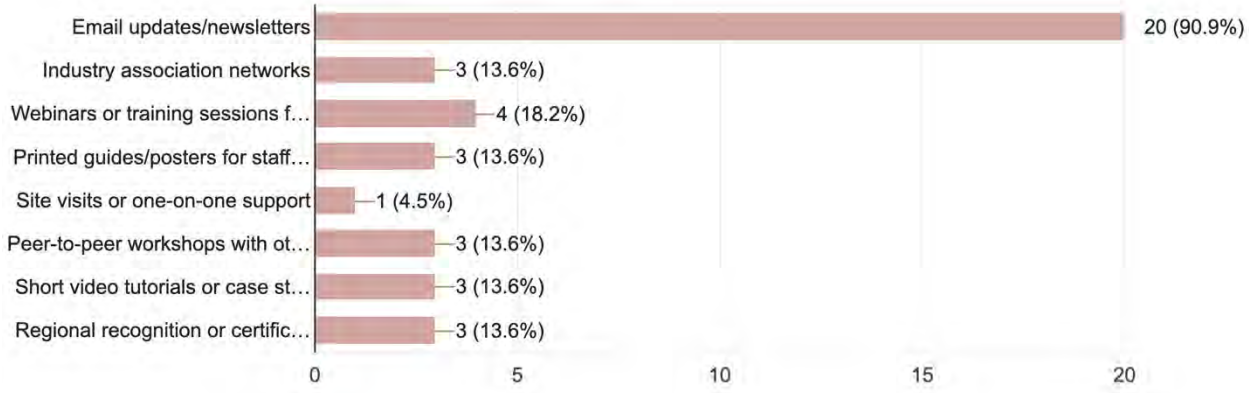
7. What would make it easier for your business to participate in food upcycling or recovery initiatives? (SELECT TOP THREE)

22 responses



8. How would your business prefer to receive updates and resources about food waste reduction, upcycling, and recovery programs? (SELECT ALL THAT APPLY)

22 responses



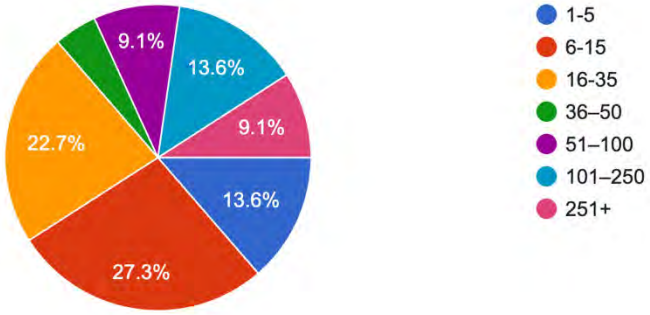
9. What type of food business do you operate?

22 responses



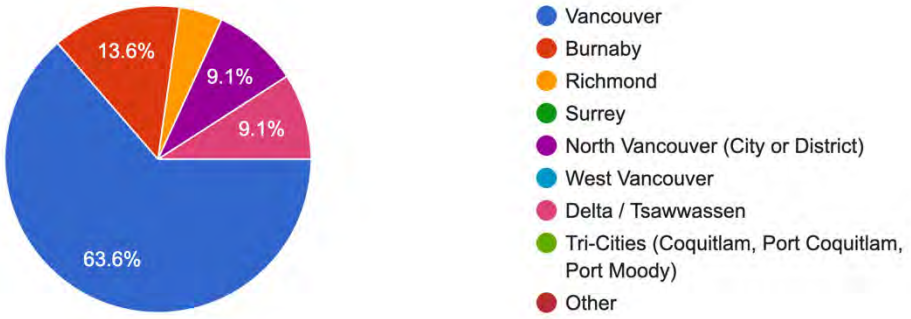
10. Approximately how many employees does your business have at your location?

22 responses



11. Where is your business located?

22 responses



Appendix I

Plan Initiation Notices

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From: Metro Vancouver Solid Waste <zerowaste@metrovancouver.org>
Sent: Thursday, April 29, 2021 12:33 PM
To:
Subject: Join the Conversation: Help Shape Solid Waste Policy in Metro Vancouver

Follow Up Flag: Follow up
Flag Status: Flagged

metrovancouver | SOLID WASTE



Join the Conversation:
Help Shape Solid Waste Policy in Metro Vancouver

You are receiving this message as you have subscribed to receive notifications about Metro Vancouver projects, services, and initiatives.

*To continue receiving updates, please click here to sign up or adjust your topics of interest to include "Solid Waste Management Plan Update". **Note that unless you are signed up to receive updates on this specific topic, you will not receive regular updates on this project.***

Metro Vancouver is responsible for waste reduction, recycling planning, and the operation of a series of solid waste facilities in the region. Metro Vancouver's solid waste

management plan is due for an update. This long-range plan guides the management of solid waste and recyclable materials in the region including key goals, targets and strategies.

Your voice matters

Help shape the public engagement process. Let us know how and how often you'd like to hear from us, and what information you would need from us to provide feedback on solid waste management topics and issues.

To learn more or provide feedback:

- Visit our engagement web page to learn more about this project and complete our 3-minute pre-engagement questionnaire. The questionnaire closes **May 28, 2021**.
- Email zerowaste@metrovancouver.org to set up an online meeting with our staff project team or consultant.
- Sign up for a timeslot on **May 17, 2021** to speak directly with members of the Consultation and Engagement Panel, by emailing zerowaste@metrovancouver.org. This is an independent panel of engagement experts established to advise and guide Metro Vancouver as we develop and implement an engagement program. Panel members are listed on our web page.
- Sign up here to receive future updates and invitations to engagement events and activities. Be sure to click "Solid Waste Management Plan update" as a topic of interest.

Chat with the Chair

Watch Jack Froese, Chair of Metro Vancouver's Zero Waste Committee and host Jaeny Baik, a former CBC broadcaster, as they discuss how 'zero waste' can be achieved by working towards a circular economy.



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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Executive Offices
Tel. 604 432-6215 or via email
CAOAdministration@metrovancouver.org

April 27, 2021

File: PE-13-01

Mayor [redacted] and Council
[redacted]
VIA EMAIL: [redacted]

Dear Mayor [redacted] and Council:

Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, and would like to learn how [redacted] would like to be engaged in the development of the new plan over the next two to three years.

The *Integrated Solid Waste and Resource Management Plan* was approved by the Provincial Government in 2011 and requires an update. By applying a framework of resilience, equity and prosperity, the updated plan will build on the current plan's strengths and identify opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.

A comprehensive engagement program involving a broad range of stakeholders and perspectives will be critical in the development of an updated solid waste management plan. Metro Vancouver's engagement on this project is guided by an Independent Consultation and Engagement Panel, a group of engagement experts established to advise and guide Metro Vancouver staff and Board.

Seeking Your Feedback

Metro Vancouver would like to learn how [redacted] would like to be notified of engagement opportunities and provide input at various stages in the plan development process (e.g. preferred channels of communication, level and frequency of updates). The information we receive will help shape an engagement program that describes engagement phases, methods and audiences, and strives to align with the priorities and preferences of a broad range of audiences. This pre-engagement phase will close on **May 28, 2021**.

44113443

Metro Vancouver will work closely with municipal staff through the REAC-Solid Waste Sub-Committee to understand and identify opportunities to advance waste reduction and recycling in key priority areas, such as single-use items, illegal dumping, and construction and demolition waste. Although the development of a new solid waste management plan is anticipated to be a two- to three-year process, Metro Vancouver and municipal staff will continue to work together in the interim to advance efforts in these key areas.

An engagement web page has been developed and is available here or at metrovancouver.org by searching 'solid waste management plan engagement'. The web page describes the project, outlines the phases of engagement, and links to a 3-minute questionnaire.

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule an online meeting or presentation with Metro Vancouver, a third party consultant that will summarize feedback, or the Consultation and Engagement Panel, please contact Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, by email at Sarah.Evanetz@metrovancouver.org or by phone at 778-995-3476.

Thank you in advance for your consideration.

Your sincerely,

Sav Dhaliwal
Chair, Metro Vancouver Board

Jack Froese
Chair, Zero Waste Committee

SD/JF/PH/sl

44113443

Executive Offices
Tel. 604 432-6215 or via email
CAOAdministration@metrovancouver.org

April 28, 2021

File: PE-13-01

Chair Jason Lum and Board of Directors
Fraser Valley Regional District
45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: jlum@fvrd.ca; jkinneman@fvrd.ca

Dear Chair Lum and Board of Directors:

Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan and would like to learn how the Fraser Valley Regional District would like to be engaged in the development of the new plan over the next two to three years.

The *Integrated Solid Waste and Resource Management Plan* was approved by the Provincial Government in 2011 and requires an update. By applying a framework of resilience, equity and prosperity, the updated plan will build on the strengths of the current plan and identify opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.

A comprehensive engagement program involving a broad range of stakeholders and perspectives will be critical in the development of an updated solid waste management plan. Metro Vancouver's engagement on this project is guided by an Independent Consultation and Engagement Panel, a group of engagement experts established to advise and guide Metro Vancouver staff and Board.

Seeking Your Feedback

Metro Vancouver would like to learn how the Fraser Valley Regional District would like to be notified of engagement opportunities and provide input at various stages in the plan development process (e.g. preferred channels of communication, level and frequency of updates). The information we receive will help shape an engagement program that describes engagement phases, methods and audiences, and strives to align with the priorities and preferences of a broad range of audiences. This pre-engagement phase will close on **May 28, 2021**.

45034640

An engagement web page has been developed and is available here or at metrovancouver.org by searching 'solid waste management plan engagement'. The web page describes the project, outlines the phases of engagement, and links to a 3-minute questionnaire.

In addition to the questionnaire, below are several other opportunities to provide feedback on the engagement process for the development of a new solid waste management plan:

- Presentation to the Fraser Valley Regional District Board
- Meeting with Metro Vancouver
- Meeting with a third party consultant that will summarize feedback
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan or would like to schedule one of the above opportunities, please contact Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, by email at Sarah.Evanetz@metrovancouver.org or by phone at 778-995-3476.

Thank you in advance for your consideration.

Your sincerely,

Sav Dhaliwal
Chair, Metro Vancouver Board

Jack Froese
Chair, Zero Waste Committee

SD/JF/PH/sl

45034640

Executive Offices
Tel. 604 432-6215 or via email
CAOAdministration@metrovancouver.org

April 28, 2021

File: PE-13-01

Chair Lori Pratt and Board of Directors
Sunshine Coast Regional District
1975 Field Road
Sechelt, BC V0N 3A1
VIA EMAIL: board@scrd.ca; Lori.Pratt@scrd.ca

Dear Chair Pratt and Board of Directors:

Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan and would like to learn how the Sunshine Coast Regional District would like to be engaged in the development of the new plan over the next two to three years.

The *Integrated Solid Waste and Resource Management Plan* was approved by the Provincial Government in 2011 and requires an update. By applying a framework of resilience, equity and prosperity, the updated plan will build on the strengths of the current plan and identify opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.

A comprehensive engagement program involving a broad range of stakeholders and perspectives will be critical in the development of an updated solid waste management plan. Metro Vancouver's engagement on this project is guided by an Independent Consultation and Engagement Panel, a group of engagement experts established to advise and guide Metro Vancouver staff and Board.

Seeking Your Feedback

Metro Vancouver would like to learn how the Sunshine Coast Regional District would like to be notified of engagement opportunities and provide input at various stages in the plan development process (e.g. preferred channels of communication, level and frequency of updates). The information we receive will help shape an engagement program that describes engagement phases, methods and audiences, and strives to align with the priorities and preferences of a broad range of audiences. This pre-engagement phase will close on **May 28, 2021**.

45034337

An engagement web page has been developed and is available here or at metrovancouver.org by searching 'solid waste management plan engagement'. The web page describes the project, outlines the phases of engagement, and links to a 3-minute questionnaire.

In addition to the questionnaire, below are several other opportunities to provide feedback on the engagement process for the development of a new solid waste management plan:

- Presentation to the Fraser Valley Regional District Board
- Meeting with Metro Vancouver
- Meeting with a third party consultant that will summarize feedback
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan or would like to schedule one of the above opportunities, please contact Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, by email at Sarah.Evanetz@metrovancouver.org or by phone at 778-995-3476.

Thank you in advance for your consideration.

Your sincerely,

Sav Dhaliwal
Chair, Metro Vancouver Board

Jack Froese
Chair, Zero Waste Committee

SD/JF/PH/sl

43748387

Executive Offices
Tel. 604 432-6215 or via email
CAOAdministration@metrovancouver.org

April 28, 2021

File: PE-13-01

Chair Jen Ford and Board of Directors
Squamish-Lillooet Regional District
Box 219, 1350 Aster Street
Pemberton, BC V0N 2L0
VIA EMAIL: jford@whistler.ca; info@slrd.bc.ca

Dear Chair Ford and Board of Directors:

Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan and would like to learn how the Squamish-Lillooet Regional District would like to be engaged in the development of the new plan over the next two to three years.

The *Integrated Solid Waste and Resource Management Plan* was approved by the Provincial Government in 2011 and requires an update. By applying a framework of resilience, equity and prosperity, the updated plan will build on the strengths of the current plan and identify opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy.

A comprehensive engagement program involving a broad range of stakeholders and perspectives will be critical in the development of an updated solid waste management plan. Metro Vancouver's engagement on this project is guided by an Independent Consultation and Engagement Panel, a group of engagement experts established to advise and guide Metro Vancouver staff and Board.

Seeking Your Feedback

Metro Vancouver would like to learn how the Squamish-Lillooet Regional District would like to be notified of engagement opportunities and provide input at various stages in the plan development process (e.g. preferred channels of communication, level and frequency of updates). The information we receive will help shape an engagement program that describes engagement phases, methods and audiences, and strives to align with the priorities and preferences of a broad range of audiences. This pre-engagement phase will close on **May 28, 2021**.

45031013

An engagement web page has been developed and is available here or at metrovancouver.org by searching 'solid waste management plan engagement'. The web page describes the project, outlines the phases of engagement, and links to a 3-minute questionnaire.

In addition to the questionnaire, below are several other opportunities to provide feedback on the engagement process for the development of a new solid waste management plan:

- Presentation to the Fraser Valley Regional District Board
- Meeting with Metro Vancouver
- Meeting with a third party consultant that will summarize feedback
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan or would like to schedule one of the above opportunities, please contact Sarah Evanetz, Division Manager, Strategy and Stakeholder Relations, by email at Sarah.Evanetz@metrovancouver.org or by phone at 778-995-3476.

Thank you in advance for your consideration.

Your sincerely,

Sav Dhaliwal
Chair, Metro Vancouver Board

Jack Froese
Chair, Zero Waste Committee

SD/JF/PH/sl

45031013

From: Metro Vancouver Solid Waste <zerowaste@metrovancouver.org>
Sent: Friday, October 20, 2023 12:04 PM
To:
Subject: Let's work together to rethink waste – Metro Vancouver wants to hear from you!

metrovancouver | SOLID WASTE



Help shape the future of how we purchase, use, reuse, recycle, and throw things away in Metro Vancouver.

Metro Vancouver is updating its solid waste management plan and has launched a public engagement process to listen and learn more about community values and interests. If you have an interest in helping us move towards reducing waste, lowering greenhouse gas emissions, and achieving a circular economy, we highly encourage you to participate.

By November 5, we want to hear your ideas about what is most important when considering the vision and guiding principles for the long-term management of solid waste in Metro Vancouver. Here's how you can participate in this public engagement process:

1. Attend an in-person workshop in Burnaby on October 24, 2023.
2. Visit us in Surrey on November 5 at Diwali Festival.
3. Register to speak directly with the Consultation and Engagement Panel in-person or virtually.
4. Share your feedback online by completing a 5-minute questionnaire.
5. Are you part of a not-for-profit organization? We have an opportunity to work collaboratively on engaging your audiences to ensure their input is heard. Funding is available. Please email zerowaste@metrovancouver.org if you are interested in learning more.

To participate in any of the above activities and to sign up to receive updates on the project, please visit the project web page.

You can also reach out to the project team at zerowaste@metrovancouver.org

CONTACT US:

Phone: 604-432-6200
Email: zerowaste@metrovancouver.org

Metro Vancouver is a federation of 21 municipalities, one electoral area, and one treaty First Nation that collaboratively plans for and delivers regional-scale services. It delivers regional scale water, wastewater, and solid waste utility services. Metro Vancouver also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The regional district is governed by a Board of Directors of elected officials from each member jurisdiction.

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Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

Click or tap to enter a date.

File: PE-13-01

Mayor [redacted] and Council
[redacted]
VIA EMAIL: [redacted]

Dear Mayor [redacted] and Council:

Vision and Guiding Principles Engagement:
Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. At this time, Metro Vancouver is launching engagement on the development of the vision and guiding principles for the updated plan. As a Metro Vancouver member jurisdiction, [redacted] is invited to provide input during all phases of the plan's development.

Solid Waste Management Plan Update
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan* that was approved by the Province in 2011, Metro Vancouver will be updating its solid waste management plan and identifying opportunities to accelerate waste reduction and diversion. In doing so, significant consideration will be given to reducing greenhouse gases and promoting a circular economy. In the meantime, work to advance waste reduction and recycling in the region will continue to progress during the solid waste management plan update process.

Metro Vancouver conducted pre-engagement work in 2021 and continues to actively engage with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan over the next 2-3 years. An Engagement Panel supports the development and implementation of the public engagement program. The two Advisory Committees, Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee, provide ongoing advice and support.

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org and search 'solid waste management plan engagement').

Seeking Your Feedback – Vision and Guiding Principles
The vision and guiding principles will set the plan's foundation as well as the direction, and reflect fundamental values that guide the plan's development and implementation. Inputs and inspiration will include existing vision statements and guiding principles from Metro Vancouver, the Province, and leading jurisdictions worldwide, complemented by engagement feedback.

Metro Vancouver has scheduled two upcoming engagement opportunities involving member jurisdiction representatives:

- March 30, 2023 – Member Staff Advisory Committee Workshop.
- April 13, 2023 – The Zero Waste Committee meeting will include a session on solid waste management plan vision and guiding principles. Climate Action Committee members have been invited to join this discussion.

In addition to receiving feedback through these scheduled channels, Metro Vancouver will engage with [redacted] at its preference.

If you have questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation, please contact Paul Henderson, General Manager, Solid Waste Services, by email at Paul.Henderson@metrovancouver.org

Thank you in advance for your consideration.

Yours sincerely,

George V. Harvie
Chair, Metro Vancouver Board

Sarah Kirby-Yung
Chair, Zero Waste Committee

GVH/SK/PH/sl

57981881

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

March 30, 2023

File: PE-13-01

Chair Jason Lum and Board of Directors
Fraser Valley Regional District
45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: jlum@fvrd.ca; jkinneman@fvrd.ca

Dear Chair Lum and Board of Directors:

Vision and Guiding Principles Engagement:
Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. At this time, Metro Vancouver is launching engagement on the development of the vision and guiding principles for the updated plan, and would like to invite Fraser Valley Regional District to provide feedback at this phase of the plan's development.

Solid Waste Management Plan Update
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan* that was approved by the Province in 2011, Metro Vancouver will be updating its solid waste management plan and identifying opportunities to accelerate waste reduction and diversion. In doing so, significant consideration will be given to reducing greenhouse gases and promoting a circular economy. In the meantime, work to advance waste reduction and recycling in the region will continue to progress during the solid waste management plan update process.

Metro Vancouver conducted pre-engagement work in 2021 and continues to actively engage with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan over the next 2-3 years. An Engagement Panel supports the development and implementation of the public engagement program. The two Advisory Committees, Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee, provide ongoing advice and support.

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org, and search 'solid waste management plan engagement').

Seeking Your Feedback - Vision and Guiding Principles

Metro Vancouver is engaging on the vision and guiding principles for the updated solid waste management plan. The vision and guiding principles will set the plan's foundation as well as direction, and reflect fundamental values that guide the plan's development and implementation. Inputs and inspiration will include existing vision statements and guiding principles from Metro Vancouver, the Province, and leading jurisdictions worldwide, complemented by engagement feedback.

Below are several opportunities available to provide feedback on the development of a vision and guiding principles for the updated solid waste management plan:

- Presentation to the Fraser Valley Regional District Board.
- Meeting with Metro Vancouver.
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel.

In addition to the above options listed, Metro Vancouver will engage with Fraser Valley Regional District at its preference.

If you have questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation with Metro Vancouver or the Engagement Panel, please contact Paul Henderson, General Manager, Solid Waste Services, by email at Paul.Henderson@metrovancouver.org.

Thank you in advance for your consideration.

Yours sincerely,





George V. Harvie
Chair, Metro Vancouver Board

Sarah Kirby-Yung
Chair, Zero Waste Committee

GVH/SK/PH/sl

58519201

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

March 30, 2023

File: PE-13-01

Chair Leonard Lee and Board of Directors
Sunshine Coast Regional District
1975 Field Road
Sechelt, BC V7Z 0A8
VIA EMAIL: info@scrd.ca

Dear Chair Lee and Board of Directors:

Vision and Guiding Principles Engagement:
Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. At this time, Metro Vancouver is launching engagement on the development of the vision and guiding principles for the updated plan, and would like to invite Sunshine Coast Regional District to provide feedback at this phase of the plan's development.

Solid Waste Management Plan Update
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan* that was approved by the Province in 2011, Metro Vancouver will be updating its solid waste management plan and identifying opportunities to accelerate waste reduction and diversion. In doing so, significant consideration will be given to reducing greenhouse gases and promoting a circular economy. In the meantime, work to advance waste reduction and recycling in the region will continue to progress during the solid waste management plan update process.

Metro Vancouver conducted pre-engagement work in 2021 and continues to actively engage with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan over the next 2-3 years. An Engagement Panel supports the development and implementation of the public engagement program. The two Advisory Committees, Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee, provide ongoing advice and support.

58516279

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org, and search 'solid waste management plan engagement').

Seeking Your Feedback - Vision and Guiding Principles
Metro Vancouver is engaging on the vision and guiding principles for the updated solid waste management plan. The vision and guiding principles will set the plan's foundation as well as direction, and reflect fundamental values that guide the plan's development and implementation. Inputs and inspiration will include existing vision statements and guiding principles from Metro Vancouver, the Province, and leading jurisdictions worldwide, complemented by engagement feedback.

Below are several opportunities available to provide feedback on the development of a vision and guiding principles for the updated solid waste management plan:

- Presentation to the Sunshine Coast Regional District Board.
- Meeting with Metro Vancouver.
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel.

In addition to the above options listed, Metro Vancouver will engage with Sunshine Coast Regional District at its preference.

If you have questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation with Metro Vancouver or the Engagement Panel, please contact Paul Henderson, General Manager, Solid Waste Services, by email at Paul.Henderson@metrovancouver.org.

Thank you in advance for your consideration.

Yours sincerely,





George V. Harvie
Chair, Metro Vancouver Board

Sarah Kirby-Yung
Chair, Zero Waste Committee

GVH/SK/PH/sl

58516279

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

March 30, 2023

File: PE-13-01

Chair Jen Ford and Board of Directors
Squamish-Lillooet Regional District
Box 219, 1350 Aster Street
Pemberton, BC V0N 2L0
VIA EMAIL: jford@whistler.ca; info@slrd.bc.ca

Dear Chair Ford and Board of Directors:

Vision and Guiding Principles Engagement:
Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. At this time, Metro Vancouver is launching engagement on the development of the vision and guiding principles for the updated plan, and would like to invite Squamish-Lillooet Regional District to provide feedback at this phase of the plan's development.

Solid Waste Management Plan Update
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan* that was approved by the Province in 2011, Metro Vancouver will be updating its solid waste management plan and identifying opportunities to accelerate waste reduction and diversion. In doing so, significant consideration will be given to reducing greenhouse gases and promoting a circular economy. In the meantime, work to advance waste reduction and recycling in the region will continue to progress during the solid waste management plan update process.

Metro Vancouver conducted pre-engagement work in 2021 and continues to actively engage with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan over the next 2-3 years. An Engagement Panel supports the development and implementation of the public engagement program. The two Advisory Committees, Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee, provide ongoing advice and support.

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org and search 'solid waste management plan engagement').

Seeking Your Feedback - Vision and Guiding Principles
Metro Vancouver is engaging on the vision and guiding principles for the updated solid waste management plan. The vision and guiding principles will set the plan's foundation as well as direction, and reflect fundamental values that guide the plan's development and implementation. Inputs and inspiration will include existing vision statements and guiding principles from Metro Vancouver, the Province, and leading jurisdictions worldwide, complemented by engagement feedback.

Below are several opportunities available to provide feedback on the development of a vision and guiding principles for the updated solid waste management plan:

- Presentation to the Squamish-Lillooet Regional District Board.
- Meeting with Metro Vancouver.
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel.

In addition to the options listed above, Metro Vancouver will engage with Squamish-Lillooet Regional District at its preference.

If you have questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation with Metro Vancouver or the Engagement Panel, please contact Paul Henderson, General Manager, Solid Waste Services, by email at Paul.Henderson@metrovancouver.org.

Thank you in advance for your consideration.

Yours sincerely,





George V. Harvie
Chair, Metro Vancouver Board

Sarah Kirby-Yung
Chair, Zero Waste Committee

GVH/SK/PH/sl

58515644

From: Metro Vancouver Solid Waste <solidwasteoperations@metrovancouver.org>
Sent: Monday, September 16, 2024 4:08 PM
To:
Subject: Let's work together to rethink waste — Metro Vancouver wants to hear from you!

Follow Up Flag: Follow up
Flag Status: Flagged

metrovancouver | SOLID WASTE

Help Shape the Future.
Share Your Ideas on How to Further Reduce Waste in Our Region.

Metro Vancouver is updating its solid waste management plan and has launched a public engagement process to hear your ideas about the future of solid waste management in our region. This is a multi-phase engagement process, and we are currently in the idea generation phase. There will be opportunities to participate in future phases of engagement.

Help us move towards reducing waste, increasing recycling, reducing greenhouse gas emissions, and achieving a circular economy.

Share your ideas and feedback by **November 8, 2024** by:

- Completing a five to ten minute questionnaire
- Saying hello at one of these community events:
    - Saturday, September 21, 2024 — Shipyards Festival, North Vancouver
    - Saturday, September 28 2024 — RiverFest, New Westminster
    - Monday, September 30, 2024 — Tsawwassen Mills Shopping Centre (visit our booth at the parking lot by the main entrance)
    - Sunday, October 20, 2024 — Diwali Downtown, Surrey
- Presenting to the Zero Waste Committee and Public/Technical Advisory Committee about your ideas for the future of waste management in the region. Register here.
- Presenting to the Consultation and Engagement Panel about your experience with the engagement process. Date to be confirmed. Complete this form to indicate your interest.
- Giving feedback on the phone. Are you a local champion working to reduce waste in your community? We would love to chat! Email us to schedule a call.

To participate in any of the above activities and sign up to receive updates, visit the project web page.

Questions? Reach out to the project team at zerowaste@metrovancouver.org.

Sign up to receive text message notifications for Metro Vancouver solid waste facilities by texting 778-655-9200 with the message JOIN, or use your phone camera to scan:

Contact Us:

Phone: 604-432-6200
Email: icentre@metrovancouver.org

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is governed by a Board of Directors of elected officials from each member jurisdiction.

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Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

July 22, 2024

File: PE-13-01

Mayor [redacted] and Council
[redacted]
VIA EMAIL: [redacted]

Dear Mayor [redacted] and Council:

Idea Generation Engagement:
Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. At this time, Metro Vancouver is launching engagement on idea generation – developing a set of potential actions and strategies for inclusion in an updated plan. As a Metro Vancouver member jurisdiction, [redacted] is invited to provide input during all phases of the plan's development.

Metro Vancouver is a North American leader in waste reduction and recycling, with a 65% recycling rate that is approximately double the Canadian average. However, much work remains to be done. The potential actions and strategies discussed at this phase of developing an updated plan will foster innovative and collaborative solutions and combine the strengths and resources of multiple parties across the region. These ideas will be fundamental to developing a plan that enables our region to advance its zero waste and climate goals.

Background and Timeline
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan,* Metro Vancouver will develop an updated plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

68080994

A vision statement and guiding principles for the plan update (Attachment 1) were developed as a result of engagement in 2023, and will serve as a foundation for work in upcoming phases, including informing criteria that will be used to assess potential strategies and actions.



While the plan is being updated, work to advance waste reduction and recycling in the region will continue to progress.

Metro Vancouver is committed to actively engaging with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan over the next 2-3 years. An Independent Consultation and Engagement Panel supports the development and implementation of the engagement program. Two key advisory committees, the Solid Waste Management Plan Public/Technical Advisory Committee and the Solid Waste and Recycling Industry Advisory Committee, provide ongoing advice and support.

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org and search 'swmp').

Seeking Your Feedback – Idea Generation
The objective of the idea generation phase is to develop a set of potential actions and strategies and to identify priority goals for the updated solid waste management plan. These ideas will be analyzed in the next phase of engagement: options analysis. Metro Vancouver has developed a set of discussion questions to serve as a framework for gathering and analyzing feedback collected during this phase (Attachment 2).

Metro Vancouver will be creating opportunities to engage with member jurisdiction representatives on idea generation in the fall of 2024. In addition to receiving feedback through these organized channels, Metro Vancouver is happy to engage with [redacted] at its preference. Please submit any feedback on the idea generation phase by **December 13, 2024**.

If you have questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation, please contact Paul Henderson, General Manager, Solid Waste Services, by phone at 604-432-6400 or by email at paul.henderson@metrovancouver.org.

Thank you in advance for your consideration.

Yours sincerely,



Mike Hurley
Chair, Metro Vancouver Board

Sincerely,



Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SK/PH/sl

Attachments:

1. Solid Waste Management Plan Vision and Guiding Principles
2. Idea Generation Issue/Opportunity Discussion Questions

68080994

Solid Waste Management Plan
Vision and Guiding Principles

Vision:

A thriving region where nothing is wasted and resources are valued.

Guiding Principles:

1. Accountability from residents, businesses, and governments to prevent waste.
2. A solid waste and recycling system that is affordable, convenient, and consistent across the region.
3. A solid waste system that is resilient to climate change and future challenges.
4. Environmental stewardship and climate action.
5. Inclusive solid waste services and programs.
6. Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
7. Transparency about what happens to garbage and recycling.

Solid Waste Management Plan
Idea Generation: Issue/Opportunity Discussion Questions

Since the Integrated Solid Waste and Resource Management Plan was approved in 2011, Metro Vancouver's waste generation rate has decreased 11%, while our recycling rate has increased from 57 to 65% – nearly twice the Canadian average recycling rate. As we update the plan, **what actions can build on our success to**:

1. Build confidence in recycling systems?
2. Develop more inclusive programs and services?
3. Enhance accountability for eliminating waste?
4. Improve infrastructure and systems for waste management across the region?
5. Increase participation and reduce contamination in organics and recycling programs?
6. Leverage knowledge and expertise through collaboration?
7. Rethink and prevent waste in the first place?

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

July 22, 2024

File: PE-13-01

Chair Jason Lum and Board of Directors
Fraser Valley Regional District
1 – 45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: info@fvrd.ca; lum@chilliwack.com; jkinneman@fvrd.ca

Dear Chair Jason Lum and Board of Directors:

Idea Generation Engagement:
Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. At this time, Metro Vancouver is launching engagement on idea generation – developing a set of potential actions and strategies for inclusion in an updated plan. We would like to invite Fraser Valley Regional District to provide feedback during all phases of the plan's development.

Metro Vancouver is a North American leader in waste reduction and recycling, with a 65% recycling rate that is approximately double the Canadian average. However, much work remains to be done. Potential actions and strategies discussed at this phase, including collaborative solutions involving multiple parties both within and outside of the region, will be key to developing a plan that enables Metro Vancouver to meet its zero waste and climate goals.

Background and Timeline
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan,* approved by the Province in 2011, Metro Vancouver will develop an updated plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

69047153

A vision statement and guiding principles for the plan update (Attachment 1) were developed as a result of engagement in 2023, and will serve as a foundation for work in upcoming phases, including informing criteria that will be used to assess potential strategies and actions.



Work to advance waste reduction and recycling in the region continues to progress, while the solid waste management plan update process proceeds.

Metro Vancouver is committed to actively engaging with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan over the next 2-3 years. An Independent Consultation and Engagement Panel supports the development and implementation of the engagement program, and two advisory committees provide ongoing advice and support.

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org, and search 'swmp').

Seeking Your Feedback – Idea Generation

The objective of the idea generation phase is to develop a set of potential actions and strategies and to identify priority goals for the updated solid waste management plan. These ideas will be analyzed in the next phase of engagement: options analysis. Metro Vancouver has developed a set of discussion questions to serve as a framework for gathering and analyzing feedback collected during this phase (Attachment 2).

Below are several opportunities available to provide feedback on the development of potential strategies and actions for an updated solid waste management plan:

- Presentation to the Fraser Valley Regional District Board
- Meeting with Metro Vancouver
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel

In addition to the above listed options, Metro Vancouver is happy to engage with Fraser Valley Regional District at its preference. Please submit any feedback on the idea generation phase by **December 13, 2024**.

If you have questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation with Metro Vancouver or the Engagement Panel, please contact Paul Henderson, General Manager, Solid Waste Services by email at paul.henderson@metrovancouver.org.

Thank you in advance for your consideration.

Yours sincerely,

Mike Hurley
Chair, Metro Vancouver Board

Sincerely,

Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SK/PH/sl

Attachments:
1. Solid Waste Management Plan Vision and Guiding Principles
2. Idea Generation Issue/Opportunity Discussion Questions

69047153

Solid Waste Management Plan
Vision and Guiding Principles

Vision:

A thriving region where nothing is wasted and resources are valued.

Guiding Principles:

1. Accountability from residents, businesses, and governments to prevent waste.
2. A solid waste and recycling system that is affordable, convenient, and consistent across the region.
3. A solid waste system that is resilient to climate change and future challenges.
4. Environmental stewardship and climate action.
5. Inclusive solid waste services and programs.
6. Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
7. Transparency about what happens to garbage and recycling.

Solid Waste Management Plan
Idea Generation: Issue/Opportunity Discussion Questions

Since the Integrated Solid Waste and Resource Management Plan was approved in 2011, Metro Vancouver's waste generation rate has decreased 11%, while our recycling rate has increased from 57 to 65% – nearly twice the Canadian average recycling rate. As we update the plan, **what actions can build on our success to**:

1. Build confidence in recycling systems?
2. Develop more inclusive programs and services?
3. Enhance accountability for eliminating waste?
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5. Increase participation and reduce contamination in organics and recycling programs?
6. Leverage knowledge and expertise through collaboration?
7. Rethink and prevent waste in the first place?

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

July 22, 2024

File: PE-13-01

Chair Leonard Lee and Board of Directors
Sunshine Coast Regional District
1975 Field Road
Sechelt, BC V7Z 0A8
VIA EMAIL: leonard.lee@scrd.ca; info@scrd.ca

Dear Chair Leonard Lee and Board of Directors:

Idea Generation Engagement:
Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. At this time, Metro Vancouver is launching engagement on idea generation – developing a set of potential actions and strategies for inclusion in an updated plan. We would like to invite Sunshine Coast Regional District to provide feedback during all phases of the plan's development.

Metro Vancouver is a North American leader in waste reduction and recycling, with a 65% recycling rate that is approximately double the Canadian average. However, much work remains to be done. Potential actions and strategies discussed at this phase, including collaborative solutions involving multiple parties both within and outside of the region, will be key to developing a plan that enables Metro Vancouver to meet its zero waste and climate goals.

Background and Timeline
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan,* approved by the Province in 2011, Metro Vancouver will develop an updated plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

69035156

A vision statement and guiding principles for the plan update (Attachment 1) were developed as a result of engagement in 2023, and will serve as a foundation for work in upcoming phases, including informing criteria that will be used to assess potential strategies and actions.



Work to advance waste reduction and recycling in the region continues to progress, while the solid waste management plan update process proceeds.

Metro Vancouver is committed to actively engaging with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan over the next 2-3 years. An Independent Consultation and Engagement Panel supports the development and implementation of the engagement program, and two advisory committees provide ongoing advice and support.

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org, and search 'swmp').

Seeking Your Feedback – Idea Generation

The objective of the idea generation phase is to develop a set of potential actions and strategies and to identify priority goals for the updated solid waste management plan. These ideas will be analyzed in the next phase of engagement: options analysis. Metro Vancouver has developed a set of discussion questions to serve as a framework for gathering and analyzing feedback collected during this phase (Attachment 2).

Below are several opportunities available to provide feedback on the development of potential strategies and actions for an updated solid waste management plan:

- Presentation to the Sunshine Coast Regional District Board
- Meeting with Metro Vancouver
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel

In addition to the above listed options, Metro Vancouver is happy to engage with Sunshine Coast Regional District at its preference. Please submit any feedback on the idea generation phase by **December 13, 2024**.

If you have questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation with Metro Vancouver or the Engagement Panel, please contact Paul Henderson, General Manager, Solid Waste Services by email at paul.henderson@metrovancouver.org.

Thank you in advance for your consideration.

Yours sincerely,



Mike Hurley
Chair, Metro Vancouver Board

Sincerely,



Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SK/PH/sl

Attachments:

1. Solid Waste Management Plan Vision and Guiding Principles
2. Idea Generation Issue/Opportunity Discussion Questions

69035156

Solid Waste Management Plan
Vision and Guiding Principles

Vision:

A thriving region where nothing is wasted and resources are valued.

Guiding Principles:

1. Accountability from residents, businesses, and governments to prevent waste.
2. A solid waste and recycling system that is affordable, convenient, and consistent across the region.
3. A solid waste system that is resilient to climate change and future challenges.
4. Environmental stewardship and climate action.
5. Inclusive solid waste services and programs.
6. Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
7. Transparency about what happens to garbage and recycling.

Solid Waste Management Plan
Idea Generation: Issue/Opportunity Discussion Questions

Since the Integrated Solid Waste and Resource Management Plan was approved in 2011, Metro Vancouver's waste generation rate has decreased 11%, while our recycling rate has increased from 57 to 65% – nearly twice the Canadian average recycling rate. As we update the plan, **what actions can build on our success to**:

1. Build confidence in recycling systems?
2. Develop more inclusive programs and services?
3. Enhance accountability for eliminating waste?
4. Improve infrastructure and systems for waste management across the region?
5. Increase participation and reduce contamination in organics and recycling programs?
6. Leverage knowledge and expertise through collaboration?
7. Rethink and prevent waste in the first place?

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

July 22, 2024

File: PE-13-01

Chair Jen Ford and Board of Directors
Squamish-Lillooet Regional District
1350 Aster Street
Pemberton, BC V0N 2L0
VIA EMAIL: jford@slrd.bc.ca; Info@slrd.bc.ca

Dear Chair Jen Ford and Board of Directors:

Idea Generation Engagement:
Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies and collective actions over the next decade and beyond. At this time, Metro Vancouver is launching engagement on idea generation – developing a set of potential actions and strategies for inclusion in an updated plan. We would like to invite Squamish-Lillooet Regional District to provide feedback during all phases of the plan's development.

Metro Vancouver is a North American leader in waste reduction and recycling, with a 65% recycling rate that is approximately double the Canadian average. However, much work remains to be done. Potential actions and strategies discussed at this phase, including collaborative solutions involving multiple parties both within and outside of the region, will be key to developing a plan that enables Metro Vancouver to meet its zero waste and climate goals.

Background and Timeline
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan,* approved by the Province in 2011, Metro Vancouver will develop an updated plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

69048530

A vision statement and guiding principles for the plan update (Attachment 1) were developed as a result of engagement in 2023, and will serve as a foundation for work in upcoming phases, including informing criteria that will be used to assess potential strategies and actions.



Work to advance waste reduction and recycling in the region continues to progress, while the solid waste management plan update process proceeds.

Metro Vancouver is committed to actively engaging with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan over the next 2-3 years. An Independent Consultation and Engagement Panel supports the development and implementation of the engagement program, and two advisory committees provide ongoing advice and support.

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org, and search 'swmp').

Seeking Your Feedback – Idea Generation

The objective of the idea generation phase is to develop a set of potential actions and strategies and to identify priority goals for the updated solid waste management plan. These ideas will be analyzed in the next phase of engagement: options analysis. Metro Vancouver has developed a set of discussion questions to serve as a framework for gathering and analyzing feedback collected during this phase (Attachment 2).

Below are several opportunities available to provide feedback on the development of potential strategies and actions for an updated solid waste management plan:

- Presentation to the Squamish-Lillooet Regional District Board
- Meeting with Metro Vancouver
- Meeting with Metro Vancouver's Independent Consultation and Engagement Panel

In addition to the above listed options, Metro Vancouver is happy to engage with Squamish-Lillooet Regional District at its preference. Please submit any feedback on the idea generation phase by **December 13, 2024**.

If you have questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation with Metro Vancouver or the Engagement Panel, please contact Paul Henderson, General Manager, Solid Waste Services by email at paul.henderson@metrovancouver.org.

Thank you in advance for your consideration.

Yours sincerely,

Mike Hurley
Chair, Metro Vancouver Board

Sincerely,

Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SK/PH/sl

Attachments:
1. Solid Waste Management Plan Vision and Guiding Principles
2. Idea Generation Issue/Opportunity Discussion Questions

69048530

Solid Waste Management Plan
Vision and Guiding Principles

Vision:

A thriving region where nothing is wasted and resources are valued.

Guiding Principles:

1. Accountability from residents, businesses, and governments to prevent waste.
2. A solid waste and recycling system that is affordable, convenient, and consistent across the region.
3. A solid waste system that is resilient to climate change and future challenges.
4. Environmental stewardship and climate action.
5. Inclusive solid waste services and programs.
6. Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
7. Transparency about what happens to garbage and recycling.

Solid Waste Management Plan
Idea Generation: Issue/Opportunity Discussion Questions

Since the Integrated Solid Waste and Resource Management Plan was approved in 2011, Metro Vancouver's waste generation rate has decreased 11%, while our recycling rate has increased from 57 to 65% – nearly twice the Canadian average recycling rate. As we update the plan, **what actions can build on our success to**:

1. Build confidence in recycling systems?
2. Develop more inclusive programs and services?
3. Enhance accountability for eliminating waste?
4. Improve infrastructure and systems for waste management across the region?
5. Increase participation and reduce contamination in organics and recycling programs?
6. Leverage knowledge and expertise through collaboration?
7. Rethink and prevent waste in the first place?

From: Metro Vancouver Solid Waste <zerowaste@metrovancouver.org>
Sent: Thursday, September 4, 2025 10:05 AM
To:
Subject: Let's work together to rethink waste — Metro Vancouver wants to hear from you!



Help shape the future. We want to hear your feedback on strategies and actions to include in our region's solid waste management plan.

Metro Vancouver is updating its solid waste management plan and wants to hear from you! We are looking ahead to the next decade and beyond to see how our region can manage solid waste. Together, we can continue to move towards reducing waste, increasing recycling, reducing greenhouse gas emissions, and achieving a circular economy.

In earlier engagement phases, you shared your values, challenges, and ideas — helping shape the options we are considering for inclusion in the draft plan. Now, we welcome your feedback on potential actions and strategies — the final step before the new plan is drafted.

Share your feedback before **October 31, 2025** by:

- Completing a quick 5 – 10-minute questionnaire to share your thoughts
- Saying hello at one of these community events:
    - Saturday, September 6, 2025 — Car Free Day, Port Coquitlam
    - Sunday, September 14, 2025 — Main Street Car Free Day, Vancouver
    - Saturday, September 27, 2025 — RiverFest, New Westminster
    - Sunday, October 5, 2025 — Diwali Downtown, Surrey
- Do you have more to say about the strategies and options being considered to reduce waste in your community? Email us to schedule a call — we would love to hear from you!

Interested in sharing feedback on the engagement process? Sign up to be notified when a date is set and present to the Consultation and Engagement Panel by completing this form.

To participate in any of the above activities and sign up to receive updates on additional opportunities as they become available, visit the project web page.

Questions? Reach out to the project team at zerowaste@metrovancouver.org.

Contact us:

Phone: 604-432-6200
Email: zerowaste@metrovancouver.org

    

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is governed by a Board of Directors of elected officials from each member jurisdiction.

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metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

September 11, 2025

File: PE-13-01

Mayor [redacted] and Council
[redacted]
VIA EMAIL: [redacted]

Dear Mayor [redacted] and Council:

Options Analysis Engagement: Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies, priorities, targets, and collective actions over the next decade and beyond. Metro Vancouver is launching engagement on the options analysis phase — gathering feedback and creating opportunities for dialogue around draft strategies and actions to include in the updated solid waste management plan. As a Metro Vancouver member jurisdiction, [redacted] is invited to provide input during all phases of the plan's development.

Metro Vancouver is a North American leader in waste reduction and recycling, achieving a 65% recycling rate — twice the Canadian average. However, while progress has been made, there is still considerable work to be done. Evaluating potential strategies and actions during this phase will be fundamental in developing the draft components of a plan that can enable our region to advance its zero waste and climate goals.

Background and Timeline
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan*, approved by the Province in 2011, Metro Vancouver is developing an updated plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

While the plan is being updated, work to advance waste reduction and recycling in the region continues to progress.

77812297

Work to update the solid waste management plan began in 2021 and is nearing completion, with a draft plan expected in 2026. A vision statement, guiding principles, goals, and a waste hierarchy were developed following research and engagement (Attachment 1). Idea generation research and engagement in 2024 resulted in the development of potential strategies and actions for an updated plan. During the upcoming options analysis phase, these potential strategies and actions will be considered using a set of evaluation criteria informed by feedback to date, the vision and guiding principles, and the Metro Vancouver Board Strategic Plan. Engagement will contribute to further refinement of the draft strategies and actions. Below is a timeline graphic of the solid waste management plan update.



Metro Vancouver is committed to actively engaging with governments — including First Nations and member jurisdictions — the waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan. An Independent Consultation and Engagement Panel supports the development and implementation of the engagement program, and two advisory committees provide ongoing advice and input.

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org and search 'swmp').

Seeking Your Feedback – Options Analysis
The objective of this phase of engagement is to evaluate ideas from the previous phase by applying decision-making criteria and gathering feedback to decide which strategies and actions will be included in the draft plan. This phase of engagement marks the final step before the new plan is drafted.

In spring 2025, Metro Vancouver staff held preliminary discussions with member jurisdiction staff at advisory committee meetings to explore potential member priority actions for inclusion in the updated plan. Metro Vancouver will continue to work with member jurisdiction staff to refine the member priority actions. In addition, a full list of potential strategies and actions will be made publicly available on the project webpage. A workshop on options analysis for member jurisdiction staff has tentatively been scheduled for early October, and Metro Vancouver will continue to bring relevant updates to the regularly scheduled member staff advisory committees. In addition to receiving feedback through these channels, Metro Vancouver is pleased to engage with [redacted] at its preference. Please submit any feedback on the options analysis phase by **October 31, 2025.**

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation, please contact Paul Henderson, General Manager, Solid Waste Services, by email at paul.henderson@metrovancouver.org.

Yours sincerely,

Mike Hurley
Chair, Metro Vancouver Board

Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SKY/PH/sl

Attachment 1: Metro Vancouver Solid Waste Management Plan Update – Options Analysis Backgrounder

77812297

metrovancouver | SOLID WASTE



Metro Vancouver Solid Waste Management Plan Update

Options Analysis

About Metro Vancouver

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is governed by a Board of Directors of elected officials from each member jurisdiction.

What is Solid Waste Management

Solid waste management is the term used to describe how packaging, construction and demolition materials, food scraps, yard and garden trimmings, and other materials from residential, commercial, and institutional sources are managed when they are no longer needed. It includes the decisions we make when reducing and preventing garbage, using recycling and green bins, and the services provided by companies, governments, and non-profits to collect, transport, and process these materials.

Metro Vancouver's Role in Solid Waste Management

Metro Vancouver is responsible for planning for waste reduction, reuse, and recycling, and managing and disposing of the remaining waste in an environmentally responsible manner. This work is guided by our commitment to environmental stewardship, and affordable and accessible waste management services. It would not be possible without the continued efforts of committed residents and innovative businesses across the region.

Metro Vancouver operates several recycling and waste centres in the region where residents and businesses can drop off recycling and garbage. Metro Vancouver also runs educational campaigns and initiatives to encourage waste reduction, reuse and repair, and recycling.



Updating the Solid Waste Management Plan

This important plan will guide solid waste management strategies, actions, targets, and priorities in the decade ahead. The updated plan will identify how our region can continue to reduce waste, increase reuse and recycling, reduce greenhouse gas emissions, and work towards a circular economy. Together as a region, we need to think about how we purchase, use, reuse, recycle, and throw things away in Metro Vancouver to better manage our solid waste.

Previous Work

Metro Vancouver has established a vision statement and guiding principles, as well as goals and a waste hierarchy, for the solid waste management plan update. These will guide plan development and implementation, and were created with direct input from First Nations, member jurisdictions, adjacent regional districts, advisory committees, interested parties, and the public.

Vision and Guiding Principles

Vision

A thriving region where nothing is wasted and resources are valued.

Guiding Principles

1. A solid waste and recycling system that is affordable, convenient, and consistent across the region.
2. A solid waste system that is resilient to climate change and future challenges.
3. Accountability from residents, businesses, and governments to prevent waste.
4. Environmental stewardship and climate action.
5. Inclusive solid waste services and programs.
6. Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
7. Transparency about what happens to garbage and recycling.

Hierarchy and Goals

Goals	Components
1. Enable circular systems that preserve resources	• Design waste-free systems • Transition to a circular economy
2. Minimize waste generation	• Prevent • Use less
3. Keep materials in use as long as possible	• Share/Donate • Repair/Refurbish • Repurpose
4. Make it easier to recycle effectively	• Recycle into new products • Compost and anaerobic digestion
5. Recover resources from non-recyclable materials	• Recover materials from the waste stream • Create alternatives to fossil fuels
6. Dispose only as a last resort	• Landfill and mass burn waste-to-energy



Project Timeline

The solid waste management plan update process is being supported by robust First Nations and public engagement. Work began in 2021 and is nearing completion with a draft plan expected in 2026.



Options Analysis

The objective of the current phase – options analysis – is to evaluate ideas that were generated in the previous phase by applying decision-making criteria that are grounded in the vision and guiding principles for the updated plan. The feedback we receive in this phase will help to decide what actions and strategies are included in the draft plan. This is the final step before the new plan is drafted.

How to Get Involved

Provide your feedback on the potential strategies and actions to include in the updated solid waste management plan by October 31, 2025.

For more information, please scan the QR code or visit **metrovancouver.org** and search "SWMP"

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

September 11, 2025

File: PE-13-01

Chair Patricia Ross
Fraser Valley Regional District
1 - 45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: pross@abbotsford.ca; info@fvrd.ca; lum@chilliwack.com; jkinneman@fvrd.ca

Dear Chair Patricia Ross and Board of Directors:

Options Analysis Engagement: Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies, priorities, targets and collective actions over the next decade and beyond. Metro Vancouver is launching engagement on the options analysis phase — gathering feedback and creating opportunities for dialogue around draft strategies and actions to include in the updated solid waste management plan. As a neighbouring regional district, we would like to invite Fraser Valley Regional District to provide feedback during all phases of the plan's development.

Metro Vancouver is a North American leader in waste reduction and recycling, acheiving a 65% recycling rate — twice the Canadian average. However, while progress has been made, there is still considerable work to be done. Evaluating potential strategies and actions during this phase, including collaborative solutions involving parties both within and outside of the region, will be fundamental in developing the draft components of a plan that can enable Metro Vancouver to meet its zero waste and climate goals.

Background and Timeline
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan*, approved by the Province in 2011, Metro Vancouver is developing an updated plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

While the plan is being updated, work to advance waste reduction and recycling in the region continues to progress.

77354089

Work to update the solid waste management plan began in 2021 and is nearing completion, with a draft plan expected in 2026. A vision statement, guiding principles, goals, and a waste hierarchy were developed following research and engagement (Attachment 1). Idea generation research and engagement in 2024 resulted in the development of potential strategies and actions for an updated plan. During the upcoming options analysis phase, these potential strategies and actions will be considered using a set of evaluation criteria informed by feedback to date, the vision and guiding principles, and the Metro Vancouver Board Strategic Plan. Engagement will contribute to further refinement of the draft strategies and actions. Below is a timeline graphic of the solid waste management plan update.



Metro Vancouver is committed to actively engaging with governments — including First Nations, member jurisdictions, and adjacent regional districts — the waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan. An Independent Consultation and Engagement Panel supports the development and implementation of the engagement program, and two advisory committees provide ongoing advice and input.

The engagement webpage contains information on previous and current phases of engagement (visit metrovancouver.org and search 'swmp').

Seeking Your Feedback – Options Analysis
The objective of this phase of engagement is to evaluate ideas from the previous phase by applying decision-making criteria and gathering feedback to decide which strategies and actions will be included in the draft plan. This phase of engagement marks the final step before the new plan is drafted.

A full list of potential strategies and actions will be made available on the project webpage. Metro Vancouver will provide opportunities to engage with adjacent regional district staff on options analysis in the fall of 2025, with a meeting tentatively scheduled for October 2025.

Additional opportunities available to provide feedback during the options analysis phase include:

- Presentation to the Fraser Valley Regional District Board
- Meeting with Metro Vancouver staff
- Meeting with the Solid Waste Management Plan Independent Consultation and Engagement Panel

In addition to the options listed above, Metro Vancouver is happy to engage with Fraser Valley Regional District at its preference. Please submit any feedback on the options analysis phase by **October 31, 2025.**

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation with Metro Vancouver staff or the Independent Consultation and Engagement Panel, please contact Paul Henderson, General Manager, Solid Waste Services, by email at paul.henderson@metrovancouver.org.

Yours sincerely,

Mike Hurley
Chair, Metro Vancouver Board

Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SKY/PH/sl

Attachment 1: Metro Vancouver Solid Waste Management Plan Update – Options Analysis Backgrounder

77354089

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

September 11, 2025

File: PE-13-01

Chair Alton Toth
Sunshine Coast Regional District
1975 Field Road
Sechelt, BC V7Z 0A8
VIA EMAIL: info@scrd.ca

Dear Chair Alton Toth and Board of Directors:

Options Analysis Engagement: Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies, priorities, targets and collective actions over the next decade and beyond. Metro Vancouver is launching engagement on the options analysis phase — gathering feedback and creating opportunities for dialogue around draft strategies and actions to include in the updated solid waste management plan. As a neighbouring regional district, we would like to invite Sunshine Coast Regional District to provide feedback during all phases of the plan's development.

Metro Vancouver is a North American leader in waste reduction and recycling, acheiving a 65% recycling rate — twice the Canadian average. However, while progress has been made, there is still considerable work to be done. Evaluating potential strategies and actions during this phase, including collaborative solutions involving parties both within and outside of the region, will be fundamental in developing the draft components of a plan that can enable Metro Vancouver to meet its zero waste and climate goals.

Background and Timeline
Regional districts are required by the Province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan*, approved by the Province in 2011, Metro Vancouver is developing an updated plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

While the plan is being updated, work to advance waste reduction and recycling in the region continues to progress.

77354089

Work to update the solid waste management plan began in 2021 and is nearing completion, with a draft plan expected in 2026. A vision statement, guiding principles, goals, and a waste hierarchy were developed following research and engagement (Attachment 1). Idea generation research and engagement in 2024 resulted in the development of potential strategies and actions for an updated plan. During the upcoming options analysis phase, these potential strategies and actions will be considered using a set of evaluation criteria informed by feedback to date, the vision and guiding principles, and the Metro Vancouver Board Strategic Plan. Engagement will contribute to further refinement of the draft strategies and actions. Below is a timeline graphic of the solid waste management plan update.



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Seeking Your Feedback – Options Analysis
The objective of this phase of engagement is to evaluate ideas from the previous phase by applying decision-making criteria and gathering feedback to decide which strategies and actions will be included in the draft plan. This phase of engagement marks the final step before the new plan is drafted.

A full list of potential strategies and actions will be made available on the project webpage. Metro Vancouver will provide opportunities to engage with adjacent regional district staff on options analysis in the fall of 2025, with a meeting tentatively scheduled for October 2025.

Additional opportunities available to provide feedback during the options analysis phase include:

- Presentation to the Sunshine Coast Regional District Board
- Meeting with Metro Vancouver staff
- Meeting with the Solid Waste Management Plan Independent Consultation and Engagement Panel

In addition to the options listed above, Metro Vancouver is happy to engage with Sunshine Coast Regional District at its preference. Please submit any feedback on the options analysis phase by **October 31, 2025.**

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation with Metro Vancouver staff or the Independent Consultation and Engagement Panel, please contact Paul Henderson, General Manager, Solid Waste Services, by email at paul.henderson@metrovancouver.org.

Yours sincerely,



Mike Hurley
Chair, Metro Vancouver Board



Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SKY/PH/sl

Attachment 1: Metro Vancouver Solid Waste Management Plan Update – Options Analysis Backgrounder

77354089

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

September 11, 2025

File: PE-13-01

Chair Jen Ford
Squamish-Lillooet Regional District
1350 Aster Street
Pemberton, BC V0N 2L0
VIA EMAIL: jford@slrd.bc.ca; info@slrd.bc.ca

Dear Chair Jen Ford and Board of Directors:

Options Analysis Engagement: Metro Vancouver's Solid Waste Management Plan Update

Metro Vancouver is updating its solid waste management plan, a long-term strategic plan that guides our region's policies, priorities, targets and collective actions over the next decade and beyond. Metro Vancouver is launching engagement on the options analysis phase — gathering feedback and creating opportunities for dialogue around draft strategies and actions to include in the updated solid waste management plan. As a neighbouring regional district, we would like to invite Squamish-Lillooet Regional District to provide feedback during all phases of the plan's development.

Metro Vancouver is a North American leader in waste reduction and recycling, acheiving a 65% recycling rate — twice the Canadian average. However, while progress has been made, there is still considerable work to be done. Evaluating potential strategies and actions during this phase, including collaborative solutions involving parties both within and outside of the region, will be fundamental in developing the draft components of a plan that can enable Metro Vancouver to meet its zero waste and climate goals.

Background and Timeline
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While the plan is being updated, work to advance waste reduction and recycling in the region continues to progress.

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A full list of potential strategies and actions will be made available on the project webpage. Metro Vancouver will provide opportunities to engage with adjacent regional district staff on options analysis in the fall of 2025, with a meeting tentatively scheduled for October 2025.

Additional opportunities available to provide feedback during the options analysis phase include:

- Presentation to the Squamish-Lillooet Regional District Board
- Meeting with Metro Vancouver staff
- Meeting with the Solid Waste Management Plan Independent Consultation and Engagement Panel

In addition to the options listed above, Metro Vancouver is happy to engage with Squamish-Lillooet Regional District at its preference. Please submit any feedback on the options analysis phase by **October 31, 2025.**

If you have any questions or comments about the review and update of Metro Vancouver's solid waste management plan, require additional information, or wish to schedule a meeting or presentation with Metro Vancouver staff or the Independent Consultation and Engagement Panel, please contact Paul Henderson, General Manager, Solid Waste Services, by email at paul.henderson@metrovancouver.org.

Yours sincerely,

Mike Hurley
Chair, Metro Vancouver Board

Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SKY/PH/sl

Attachment 1: Metro Vancouver Solid Waste Management Plan Update – Options Analysis Backgrounder

77354089

metrovancouver | SOLID WASTE

Metro Vancouver Solid Waste Management Plan Update

Options Analysis

About Metro Vancouver

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is governed by a Board of Directors of elected officials from each member jurisdiction.

What is Solid Waste Management

Solid waste management is the term used to describe how packaging, construction and demolition materials, food scraps, yard and garden trimmings, and other materials from residential, commercial, and institutional sources are managed when they are no longer needed. It includes the decisions we make when reducing and preventing garbage, using recycling and green bins, and the services provided by companies, governments, and non-profits to collect, transport, and process these materials.

Metro Vancouver's Role in Solid Waste Management

Metro Vancouver is responsible for planning for waste reduction, reuse, and recycling, and managing and disposing of the remaining waste in an environmentally responsible manner. This work is guided by our commitment to environmental stewardship, and affordable and accessible waste management services. It would not be possible without the continued efforts of committed residents and innovative businesses across the region.

Metro Vancouver operates several recycling and waste centres in the region where residents and businesses can drop off recycling and garbage. Metro Vancouver also runs educational campaigns and initiatives to encourage waste reduction, reuse and repair, and recycling.



Updating the Solid Waste Management Plan

This important plan will guide solid waste management strategies, actions, targets, and priorities in the decade ahead. The updated plan will identify how our region can continue to reduce waste, increase reuse and recycling, reduce greenhouse gas emissions, and work towards a circular economy. Together as a region, we need to think about how we purchase, use, reuse, recycle, and throw things away in Metro Vancouver to better manage our solid waste.

Previous Work

Metro Vancouver has established a vision statement and guiding principles, as well as goals and a waste hierarchy, for the solid waste management plan update. These will guide plan development and implementation, and were created with direct input from First Nations, member jurisdictions, adjacent regional districts, advisory committees, interested parties, and the public.

Vision and Guiding Principles

Vision

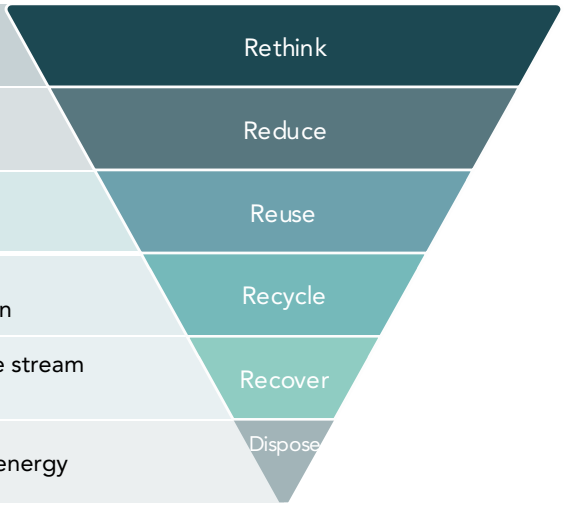
A thriving region where nothing is wasted and resources are valued.

Guiding Principles

1. A solid waste and recycling system that is affordable, convenient, and consistent across the region.
2. A solid waste system that is resilient to climate change and future challenges.
3. Accountability from residents, businesses, and governments to prevent waste.
4. Environmental stewardship and climate action.
5. Inclusive solid waste services and programs.
6. Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
7. Transparency about what happens to garbage and recycling.

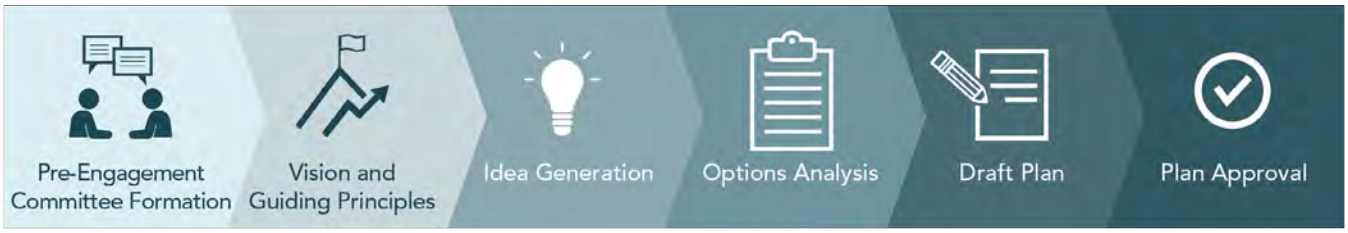
Hierarchy and Goals

Goals	Components
1. Enable circular systems that preserve resources	• Design waste-free systems • Transition to a circular economy
2. Minimize waste generation	• Prevent • Use less
3. Keep materials in use as long as possible	• Share/Donate • Repair/Refurbish • Repurpose
4. Make it easier to recycle effectively	• Recycle into new products • Compost and anaerobic digestion
5. Recover resources from non-recyclable materials	• Recover materials from the waste stream • Create alternatives to fossil fuels
6. Dispose only as a last resort	• Landfill and mass burn waste-to-energy



Project Timeline

The solid waste management plan update process is being supported by robust First Nations and public engagement. Work began in 2021 and is nearing completion with a draft plan expected in 2026.



Options Analysis

The objective of the current phase – options analysis – is to evaluate ideas that were generated in the previous phase by applying decision-making criteria that are grounded in the vision and guiding principles for the updated plan. The feedback we receive in this phase will help to decide what actions and strategies are included in the draft plan. This is the final step before the new plan is drafted.

How to Get Involved

Provide your feedback on the potential strategies and actions to include in the updated solid waste management plan by October 31, 2025.

For more information, please scan the QR code or visit **metrovancouver.org** and search "SWMP"

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Metro Vancouver Solid Waste <solidwasteoperations@metrovancouver.org>
Sent: Thursday, January 22, 2026 4:33 PM
To:
Subject: Feedback Opportunity — Initial Draft of Metro Vancouver's Solid Waste Management Plan

metrovancouver | SOLID WASTE

Feedback Opportunity — Initial Draft of Metro Vancouver's Solid Waste Management Plan

You are receiving this message as you have signed up for updates on Metro Vancouver's process to update its regional solid waste management plan.

Thank you to everyone who shared input during the Options Analysis phase of the solid waste management plan update in fall 2025. Metro Vancouver will share the engagement summary report soon.

Feedback from engagement and supporting studies has helped shape the Initial Draft Solid Waste Management Plan.

Share your feedback by February 20, 2026

- Submit comments to zerowaste@metrovancouver.org
- Participate in an online discussion board
    - A login using an email address is required. Note that submitted comments are reviewed prior to posting
- Request a phone call or meeting with Metro Vancouver staff by emailing zerowaste@metrovancouver.org

To support transparency of the engagement process, feedback provided may be published on the Metro Vancouver website, in reports, and in submissions to the Ministry of Environment and Parks.

More info

A revised draft will be provided to the Zero Waste Committee and Board, followed by an additional public comment period prior to submitting the final draft to the Minister of Environment and Parks for approval.

Thank you for your continued interest in the solid waste management plan and helping our region further reduce waste, increase recycling, and advance a circular economy.

Do you have feedback on the solid waste management plan engagement process?

We want to hear from you. Sign up to present and share your thoughts with the Consultation and Engagement Panel on February 11, 2026.

Find out more on the project web page.

Contact us:

Phone: 604-432-6200
Email: solidwasteoperations@metrovancouver.org

Get email updates on specific aspects of solid waste services engagement projects and initiatives. Sign up

Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also regulates air quality, plans for urban growth, manages a regional parks system, provides affordable housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is made up of four separate legal entities, each governed by its own Board of Directors. Board directors are elected officials from member jurisdictions.

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If you don't want to receive these emails in the future, you can edit your profile or unsubscribe.

From: Metro Vancouver Solid Waste <zerowaste@metrovancouver.org>
Sent: Tuesday, June 2, 2026 9:18 AM
To:
Subject: Metro Vancouver's Draft Solid Waste Management Plan and Process for Additional Comments

metrovancouver | SOLID WASTE

Draft Solid Waste Management Plan and Process for Additional Comments

Thank you to everyone who has contributed input to the region's draft Solid Waste Management Plan, the long term plan that will guide how our region reduces waste, increases recycling, and moves toward a more circular economy.

Review the draft Solid Waste Management Plan

Any additional feedback received by August 1 will be included with the draft Solid Waste Management Plan when it is submitted to the Minister of Environment and Parks for review.

Share your feedback by August 1, 2026

- Complete the feedback form
- Send written comments to zerowaste@metrovancouver.org
- Call the Metro Vancouver information line at 604-432-6200 to set up a phone conversation with staff

What's in the draft plan?

The draft Solid Waste Management Plan outlines:

- A vision and goals to guide the transition to a thriving region where resources are valued and nothing is wasted
- Strategies to reduce greenhouse gas emissions from solid waste
- Actions to support reuse, recycling, and waste prevention
- Management of residual garbage left over after all waste reduction and recycling actions

The draft plan builds on Metro Vancouver's current solid waste plan and reflects multiple years of research, engagement, and collaboration.

Contact us:

Phone: 604-432-6200
Email: solidwasteoperations@metrovancouver.org

Get email updates on specific aspects of solid waste services engagement projects and initiatives. Sign up







Metro Vancouver is a diverse organization that plans for and delivers regional utility services, including water, sewers and wastewater treatment, and solid waste management. It also monitors and regulates air quality, plans for urban growth, manages a regional parks system, provides affordable rental housing, and serves as a regional federation. The organization is a federation of 21 municipalities, one electoral area, and one treaty First Nation located in the region of the same name. The organization is made up of four separate legal entities, each governed by its own Board of Directors. Board directors are elected officials from member jurisdictions.

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metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

June 3, 2026

File: PE-13-01
Reference: 3795

Mayor [redacted] and Council

VIA EMAIL: [redacted]

Dear Mayor [redacted] and Council:

Re: Metro Vancouver's Draft Solid Waste Management Plan

Metro Vancouver is updating its 2011 *Integrated Solid Waste and Resource Management Plan*, a long-term strategic plan that guides our region's policies, priorities, targets, and collective actions over the next decade and beyond. Metro Vancouver intends to submit the current draft of the updated solid waste management plan for approval to the Ministry of Environment and Parks. In advance of this submission, Metro Vancouver is inviting feedback on the current draft of the plan, which is available on the Metro Vancouver website. Please share your feedback by **August 1, 2026**. Metro Vancouver staff would welcome the opportunity to meet with you to discuss the draft plan further.

Background and Timeline
Regional districts are required by the province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan*, approved by the province in 2011, Metro Vancouver has developed a draft updated solid waste management plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

84549280

Work to update the solid waste management plan initiated in 2021 and has culminated in the current draft plan that Metro Vancouver intends to submit for approval to the Ministry of Environment and Parks. The current draft plan includes a vision statement, guiding principles, goals, waste hierarchy, and a series of strategies and actions. In addition, strategic approaches for residual waste, regulatory options, and recycling and waste centres outline criteria for future decision making in those areas.

Metro Vancouver is committed to actively engaging with governments — including First Nations and member jurisdictions — the waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan. An Independent Consultation and Engagement Panel supports the development and implementation of the engagement program, and two advisory committees have provided ongoing advice and input across all project phases.



Member Jurisdiction Feedback
On April 24, 2026, the GVS&DD Board approved the following recommendation:

> *THAT the GVS&DD Board:*
> *a) direct staff to invite feedback on the draft updated solid waste management plan (the "Solid Waste Management Plan") from First Nations, interested parties, and the public;*
> *b) request that the Board Chair and the Zero Waste Committee Chair invite feedback on the Solid Waste Management Plan from member jurisdictions and adjacent regional districts; and*
> c) *authorize the Board Chair and the Zero Waste Committee Chair to submit to the Ministry of Environment and Parks for approval the Solid Waste Management Plan materially in the form attached in Attachment 1 to the report dated March 31, 2026 titled "Draft Solid Waste Management Plan", along with feedback received by August 1, 2026.*

As a Metro Vancouver member jurisdiction, [redacted] has been invited to provide input during all phases of the plan's development**.** At this time, we invite member jurisdictions to inform Metro Vancouver of any feedback on the draft of the solid waste management plan that Metro Vancouver intends to submit for approval to the Ministry of Environment and Parks. Note that feedback will be provided to the Ministry of Environment and Parks concurrently with the plan, and may also be published on the Metro Vancouver website and in reports.

The draft plan is available on the Metro Vancouver website (visit metrovancouver.org and search swmp).

Please share any feedback by **August 1, 2026.**

Suggested opportunities available to provide comments include:

- Submitting written feedback to zerowaste@metrovancouver.org
- Presentation to council
- Meeting with Metro Vancouver staff
- Meeting with the Solid Waste Management Plan Independent Consultation and Engagement Panel

If you have any questions about Metro Vancouver's draft solid waste management plan, require additional information, or wish to schedule a meeting or presentation, please contact Paul Henderson, General Manager, Solid Waste Services, by email at paul.henderson@metrovancouver.org.

Yours sincerely,

Mike Hurley
Board Chair

Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SKY/PH/sl

cc: [redacted]

84549280

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

June 3, 2026

File: PE-13-01
Request ID: 3795

Chair Patricia Ross and Board of Directors
Fraser Valley Regional District
1 - 45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: pross@abbotsford.ca; info@fvrd.ca; lum@chilliwack.com; jkinneman@fvrd.ca

Dear Chair Patricia Ross and Board of Directors:

Re: Metro Vancouver's Draft Solid Waste Management Plan

Metro Vancouver is updating its 2011 *Integrated Solid Waste and Resource Management Plan*, a long-term strategic plan that guides our region's policies, priorities, targets, and collective actions over the next decade and beyond. Metro Vancouver intends to submit the current draft of the updated solid waste management plan for approval to the Ministry of Environment and Parks. In advance of this submission, Metro Vancouver is inviting feedback on the current draft of the plan, which is available on the Metro Vancouver website. Please share your feedback by **August 1, 2026**. Metro Vancouver staff would welcome the opportunity to meet with you to discuss the draft plan further.

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Regional District Feedback
On April 24, 2026, the GVS&DD Board approved the following recommendation:

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As a regional district adjacent to Metro Vancouver, Chair has been invited to provide input during all phases of the plan's development**.** At this time, we invite adjacent regional districts to inform Metro Vancouver of any feedback on the draft of the solid waste management plan that Metro Vancouver intends to submit for approval to the Ministry of Environment and Parks. Note that feedback will be provided to the Ministry of Environment and Parks concurrently with the plan and may also be published on the Metro Vancouver website and in reports.

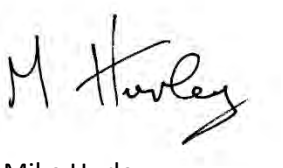
The draft plan is available on the Metro Vancouver website (visit metrovancouver.org and search swmp).

Please share any feedback by **August 1, 2026**.

Suggested opportunities available to provide comments include:
- Submitting written feedback to zerowaste@metrovancouver.org
- Presentation to the Fraser Valley Regional District Board
- Meeting with Metro Vancouver staff
- Meeting with the Solid Waste Management Plan Independent Consultation and Engagement Panel

If you have any questions about Metro Vancouver's draft solid waste management plan, require additional information, or wish to schedule a meeting or presentation, please contact Paul Henderson, General Manager, Solid Waste Services, by email at paul.henderson@metrovancouver.org.

Yours sincerely,



Mike Hurley
Board Chair



Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SKY/PH/sl

84548902

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

June 3, 2026

File: PE-13-01
Request ID: 3795

Chair Alton Toth and Board of Directors
Sunshine Coast Regional District
1975 Field Road
Sechelt, BC V7Z 0A8
VIA EMAIL: info@scrd.ca

Dear Chair Alton Toth and Board of Directors:

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> *b) request that the Board Chair and the Zero Waste Committee Chair invite feedback on the Solid Waste Management Plan from member jurisdictions and adjacent regional districts; and*
> *c) authorize the Board Chair and the Zero Waste Committee Chair to submit to the Ministry of Environment and Parks for approval the Solid Waste Management Plan materially in the form attached in Attachment 1 to the report dated March 31, 2026 titled "Draft Solid Waste Management Plan", along with feedback received by August 1, 2026.*

As a regional district adjacent to Metro Vancouver, Chair has been invited to provide input during all phases of the plan's development**.** At this time, we invite adjacent regional districts to inform Metro Vancouver of any feedback on the draft of the solid waste management plan that Metro Vancouver intends to submit for approval to the Ministry of Environment and Parks. Note that feedback will be provided to the Ministry of Environment and Parks concurrently with the plan and may also be published on the Metro Vancouver website and in reports.

The draft plan is available on the Metro Vancouver website (visit metrovancouver.org and search swmp).

Please share any feedback by **August 1, 2026**.

Suggested opportunities available to provide comments include:
- Submitting written feedback to zerowaste@metrovancouver.org
- Presentation to the Sunshine Coast Regional District Board
- Meeting with Metro Vancouver staff
- Meeting with the Solid Waste Management Plan Independent Consultation and Engagement Panel

If you have any questions about Metro Vancouver's draft solid waste management plan, require additional information, or wish to schedule a meeting or presentation, please contact Paul Henderson, General Manager, Solid Waste Services, by email at paul.henderson@metrovancouver.org.

Yours sincerely,



Mike Hurley
Board Chair



Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SKY/PH/sl

84548902

Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

June 3, 2026

File: PE-13-01
Request ID: 3795

Chair Jen Ford and Board of Directors
Squamish-Lillooet Regional District
1350 Aster Street
Pemberton, BC V0N 2L0
VIA EMAIL: jford@slrd.bc.ca; info@slrd.bc.ca

Dear Chair Jen Ford and Board of Directors:

Re: Metro Vancouver's Draft Solid Waste Management Plan

Metro Vancouver is updating its 2011 *Integrated Solid Waste and Resource Management Plan*, a long-term strategic plan that guides our region's policies, priorities, targets, and collective actions over the next decade and beyond. Metro Vancouver intends to submit the current draft of the updated solid waste management plan for approval to the Ministry of Environment and Parks. In advance of this submission, Metro Vancouver is inviting feedback on the current draft of the plan, which is available on the Metro Vancouver website. Please share your feedback by **August 1, 2026**. Metro Vancouver staff would welcome the opportunity to meet with you to discuss the draft plan further.

Background and Timeline
Regional districts are required by the province to develop, and submit for approval, plans for the management of municipal solid waste and recyclable materials. Building on the strengths of the current *Integrated Solid Waste and Resource Management Plan*, approved by the province in 2011, Metro Vancouver has developed a draft updated solid waste management plan that identifies opportunities to accelerate waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy.

Work to update the solid waste management plan initiated in 2021 and has culminated in the current draft plan that Metro Vancouver intends to submit for approval to the Ministry of Environment and Parks. The current draft plan includes a vision statement, guiding principles, goals, waste hierarchy, and a series of strategies and actions. In addition, strategic approaches for residual waste, regulatory options, and recycling and waste centres outline criteria for future decision making in those areas.

Metro Vancouver is committed to actively engaging with governments — including First Nations, member jurisdictions, and regional districts — the waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan. An

Independent Consultation and Engagement Panel supports the development and implementation of the engagement program, and two advisory committees have provided ongoing advice and input across all project phases.



Regional District Feedback
On April 24, 2026, the GVS&DD Board approved the following recommendation:

> *THAT the GVS&DD Board:*
> *a) direct staff to invite feedback on the draft updated solid waste management plan (the "Solid Waste Management Plan") from First Nations, interested parties, and the public;*
> *b) request that the Board Chair and the Zero Waste Committee Chair invite feedback on the Solid Waste Management Plan from member jurisdictions and adjacent regional districts; and*
> *c) authorize the Board Chair and the Zero Waste Committee Chair to submit to the Ministry of Environment and Parks for approval the Solid Waste Management Plan materially in the form attached in Attachment 1 to the report dated March 31, 2026 titled "Draft Solid Waste Management Plan", along with feedback received by August 1, 2026.*

As a regional district adjacent to Metro Vancouver, Chair has been invited to provide input during all phases of the plan's development**.** At this time, we invite adjacent regional districts to inform Metro Vancouver of any feedback on the draft of the solid waste management plan that Metro Vancouver intends to submit for approval to the Ministry of Environment and Parks. Note that feedback will be provided to the Ministry of Environment and Parks concurrently with the plan and may also be published on the Metro Vancouver website and in reports.

The draft plan is available on the Metro Vancouver website (visit metrovancouver.org and search swmp).

Please share any feedback by **August 1, 2026**.

Suggested opportunities available to provide comments include:
- Submitting written feedback to zerowaste@metrovancouver.org
- Presentation to the Squamish-Lillooet Regional District Board
- Meeting with Metro Vancouver staff
- Meeting with the Solid Waste Management Plan Independent Consultation and Engagement Panel

If you have any questions about Metro Vancouver's draft solid waste management plan, require additional information, or wish to schedule a meeting or presentation, please contact Paul Henderson, General Manager, Solid Waste Services, by email at paul.henderson@metrovancouver.org.

Yours sincerely,



Mike Hurley
Board Chair



Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/SKY/PH/sl

8454890

Appendix J

Examples of Promotion and Advertising Materials

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Idea Generation Newspaper ad clipping - The Vancouver Sun
Options Analysis Newspaper ad clipping - The Province
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Social Media - Facebook Example
Social Media - Instagram Example
Social Media - Linked in Example

CITY

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THIS DAY IN HISTORY: 2000

Teen Sedin twins played it cool after sizzling Canucks debut

PATRICK JOHNSTON

No matter whether you say the Sedin era began the day they were drafted or the day they first put on a Vancouver Canucks uniform, one thing is true: the first time they did suit up, they started with a bang.

Sept. 14, 2000 was the first time the Sedins played any kind of game for the Canucks, a pre-season tilt in Stockholm against Modo, the team from northern Sweden that produced the Sedins (and Markus Naslund, among many others).

That night at Globen Arena, the twins, still just 19, put on a show.

Sure it was pre-season, but the way the twins played against their old team was a taste of what was truly to come: dominating puck possession leading to dazzling goals.

They set up the game's first two goals, then Daniel scored the Canucks' third, all in the first period. The Canucks would go on to win 5-2.

Trent Klatt, who would become the Sedins' first regular linemate, scored the game's first goal, set up by a deft pass from Daniel from behind the net.

"I found out pretty quickly how talented these guys are," Klatt told reporters post-game. "I'll be laying in front on the ice and if they want to hit one in off my leg, that will be just fine."

That principle would serve Klatt well as he would score 37 goals over the next three seasons, often playing as the "triplet" on the Sedins' right wing.

The Vancouver Sun's Iain MacIntyre wrote that the Sedins' strong performance was essential to quiet the noise that had swirled around them, practically from the day they were drafted in June 1999.

"And best of all, their game of strength and finesse around the net should be even better suited to the more physical, compact North American game than it is amid the ponderous space of the Euro rink," MacIntyre wrote.



Henrik Sedin, left, and twin brother Daniel answer questions after a news conference at GM Place in July 1999. The Sedins were just 19 when they first played a pre-season game for the Canucks. *WARD PERRIN/FILES*

"The Sedins' lack of an NHL-calibre top gear became a national issue this week in Sweden — or rather, criticism of their skating reported in Vancouver became a national issue here. But it's obvious after Wednesday that their effectiveness is not contingent on their open-ice speed."

The Sedins' teammates agreed there was obvious room for improvement, but they were starting from solid footing.

"The way they play, they're going to adjust quite well. They're going to need some time because they're only 20-year-old guys coming into the league. The way they played today was really fun to watch. Everyone can see they have talent that not many guys on this hockey team have," defenceman Mattias Ohlund, another Swede, said after the game.

The Sedins called playing for an NHL team, even in pre-season, against their old squad a dream come true.

On the ice they dazzled. But off the ice, they played it cool. And given how we've come to know them, this is no surprise. They remain as humble today as they were in their teens, always ready to put the credit elsewhere.

The wage they were set to make in one day, even as rookies, would far eclipse what their brother Stefan would make in a month as a civil servant, the elder Sedin noted to The Province's Tony Gallagher.

Maybe that's too much, young Henrik said.

"This is Henrik Sedin in a nutshell. Unassuming to a bizarre degree, the new centre is expected one day to make as big a splash as possible in pro hockey, but heaven forbid if someone were to recognize him trying to get into a bar and move him to the head of the line," Gallagher commented.

Thomas Gradin, the Swedish former Canucks player turned scout, explained this was Henrik following a foundational Swedish value, known as "odjmjukhet."

"It means he doesn't think of himself as any better than anyone, but 'humble' doesn't quite mean the same. He's a very respectful person. He knows what he wants to do and thinks a lot all the time. He always thinks before he speaks," Gradin told Gallagher.

And from this sizzling start, the Sedins just got on with it.

Got on with it ... and ended up in the Hockey Hall of Fame.

pjohnston@postmedia.com

Sun, Province reporters finalists for Jack Webster Awards

CHERYL CHAN



Postmedia reporters, from left, Lori Culbert, Gordon Hoekstra and Glenda Luymes are up for awards recognizing excellence in B.C. journalism.

Three Vancouver Sun and The Province journalists are finalists for the Jack Webster Awards this year.

Gordon Hoekstra is nominated for best print/digital news reporting for his story on the B.C. trucking industry and why there have been several strikes on overpasses and bridges since 2021.

Lori Culbert earned a nomination for best investigative and enterprise journalism for her stories on the overdose death of University of Victoria student Sidney McIntyre-Starko in a dorm.

Glenda Luymes is nominated in the legal journalism category for her work tracing how a B.C. man racked up 21 impaired driving convictions — believed to be a Canadian record.

The awards are named in honour of late radio and television reporter Jack Webster and recognize excellence in B.C. journalism.

The winners will be announced at the 38th annual Jack Webster Awards on Oct. 28 in Vancouver.

CONVERSATIONS THAT MATTER

STUART McNISH

Energy is the backbone of every economy. With it, economies grow; without it, they are stagnant.

Africa is energy impoverished. According to the International Energy Agency, "African economies that were already hard hit by the COVID-19 pandemic are further challenged when you factor in Russia's invasion of Ukraine, which sent food, energy and other commodity prices soaring."

According to NJ Ayuk of the African Energy Chamber, "these crises are also compromising many parts of Africa's energy systems. ... They are deepening the financial difficulties of utilities, increasing risks of blackouts and rationing and they're contributing to a sharp increase in extreme poverty. It doesn't need to be this way."



NJ Ayuk

Africa has plenty of what it takes to produce electricity, Ayuk says.

"The continent has abundant reserves of hydrocarbons — at least 125.3 billion barrels of crude oil, 509 trillion cubic feet of natural gas," he says. "More than enough resources to support renewables, enough sunlight to support 1,000 gigawatts of solar generation, enough running water to support 350 GW of hydropower generation, enough wind to support turbines that can generate 110 GW of power, and enough geothermal energy to support 15 GW of capacity."

Ayuk joined Conversations That Matter to talk about how to utilize those resources to ignite economies throughout Africa.

See the video at vancouversun.com/tag/conversations-that-matter.

Learn more about our guest's career at careersthatmatter.ca

Join us for Conversations Live, Sept. 16 with Green Leader Sonia Furstenau, Sept. 17 with Conservative Leader John Rustad and Sept. 19 with NDP Leader David Eby.

metrovancouver | SOLID WASTE

We need your input on how to reduce and manage solid waste in Metro Vancouver.

Metro Vancouver is updating the regional solid waste management plan

We want to hear your ideas on potential actions and strategies to reduce garbage and increase recycling in the region while reducing greenhouse gases, and promoting a circular economy.

Public engagement will run from September 16 to November 8, 2024. There are a variety of ways to connect and participate. You can visit us at a community event, complete an online questionnaire, or email us at **zerowaste@metrovancouver.org**.

To learn about more about how you can participate, visit **metrovancouver.org** and search 'swmp', or scan the QR code.



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B.C. added jobs last month, but not enough to offset a tough summer of losses

NATHAN GRIFFITHS

B.C.'s economy added 7,800 jobs last month, with gains coming mostly in the hospitality, education, and arts and culture sectors, according to Statistics Canada.

It was the largest increase since May but not nearly enough to offset the previous two months of job losses. The province shed 32,000 jobs in July and August.

"B.C. leads Canada in private-sector job growth and is holding steady working to build an economy that can stand on its own two feet," said Ravi Kahlon, the province's minister of jobs and economic growth.

"Year over year, B.C. has seen an increase of 48,600 jobs."

Gavin Dew, the Conservative critic for small business and innovation, countered by saying: "This government keeps trying to claim B.C.'s economy is strong. But the numbers tell a very different story, and it's even worse when you actually talk to small-business people."

The hospitality industry added 12,000 jobs in September, the most of any sector. After that was education, with nearly 11,000 new jobs.

Unsurprisingly, given U.S. tariffs, the wholesale and retail trade lost nearly 17,000 jobs, far and away the most jobs lost in any sector.

"B.C. and Canada are facing serious challenges in the face of U.S. President Donald Trump's attacks on our economy and sovereignty. Tariffs and economic uncertainty are large challenges for certain sectors and regions throughout the province," Kahlon said.

Despite the modest increase in jobs, the unemployment rate ticked back up to 6.4 per cent, the same rate as in May. September and May's rates were tied as the highest rate of unemployment since January 2022.

The unemployment rate in the province has grown fairly steadily since its recent low of 4.2 per cent in December 2022.

Kahlon, however, said the unemployment rate remains below the national average of 7.1 per cent, adding, "B.C. continues to lead the country with an average hourly wage of $37.94, the second highest among provinces."

B.C.'s unemployment rate was lower than the rate in Alberta and Ontario but higher than Quebec's. Newfoundland and Labrador leads the country in unemployment, with a rate of 10.6 per cent.



The B.C. hospitality industry added 12,000 jobs in September, the most of any sector, said Statistics Canada. ISTOCKPHOTO/GETTY IMAGES

There are significant differences in unemployment among different age groups.

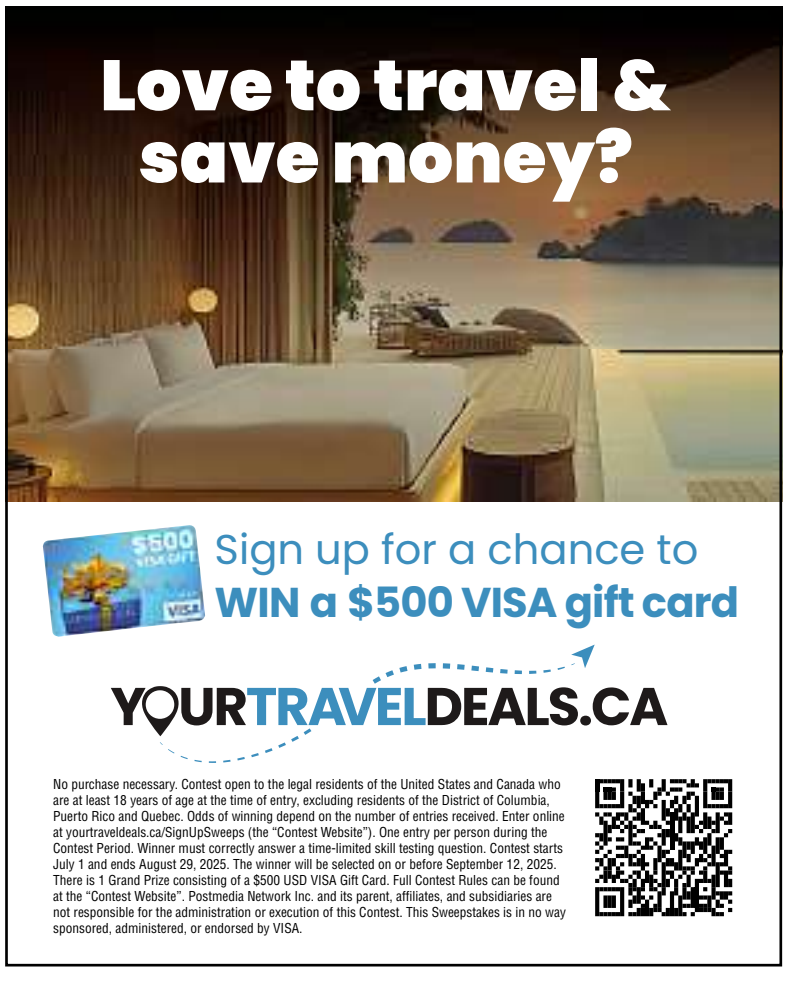
Nearly six per cent of core-age workers, defined as being between 25 and 54, were unemployed in September, nearly two percentage points higher than in January 2022.

And youth unemployment remains stubbornly high. Among British Columbians aged 15-24, 13.7 per cent were unemployed — the second highest level since January 2022.

Youth unemployment has grown steadily since January of 2024.

"What continues to worry me is the lack of opportunities for young people," Dew said.

ngriffiths@postmedia.com



metrovancouver | SOLID WASTE

Solid Waste Management Plan Update

Metro Vancouver is updating the regional solid waste management plan. Help us plan for how to reduce waste and increase recycling, while reducing greenhouse gas emissions and moving towards a circular economy.

Let's work together to rethink waste

Provide your input to help decide what strategies and actions to include in the draft plan.

Share your feedback by October 31, 2025

- Complete a questionnaire
- Attend a community event
- Email **zerowaste@metrovancouver.org**

Visit metrovancouver.org (search "SWMP") or scan the QR code to provide your input and learn more.

Public Consultation and Engagement Summary Report | 2767

Five people a day died from drug use in B.C. over summer

J.J. ADAMS

The unrelenting flood of drug deaths in B.C. continued this summer.

The B.C. Coroners Service has released a report listing 153 drug deaths in July and 149 in August 2025 in the province. That's down from the same months last year, when it was 195 in July and 211 in August.

Those numbers are up slightly from the previous months — the service reported 145 people died in May and 147 in June.

According to preliminary data gathered by the service, 69 per cent of the deaths were among people aged 30-59, and 78 per cent male. In July there were 4.9 deaths a day on average; in August there were 4.8 deaths a day.

In 2024, there were 2,312 total deaths. In 2025, there were 1,218 by the end of August.

The most common substances detected in expedited toxicological testing were fentanyl and its analogs.

Solid Waste Management Plan Update

Draft Solid Waste Management Plan

Thank you to everyone who has contributed input to the region's draft Solid Waste Management Plan. The GVS&DD Board endorsed the draft plan (available below).

View the final draft plan

Any additional comments received before August 1 will be provided to the Minister of Environment and Parks when the plan is submitted for approval.

Share your comments before August 1, 2026

- Complete the public feedback form
- Email zerowaste@metrovancouver.org
- Call the Metro Vancouver Information Centre at 604-432-6200 to set up a phone conversation with staff

Project overview

Metro Vancouver is responsible for waste reduction and recycling planning, and operating a series of solid waste facilities in the region.

Metro Vancouver's current Solid Waste Management Plan was approved by the BC Minister of Environment and Climate Change Strategy in 2011. The plan established goals, strategies, and actions for the management of garbage and recyclable materials for Metro Vancouver and its member jurisdictions.

Timeline

- **Pre-engagement**
  April 27 - May 28, 2021
- **Vision and guiding principles engagement**
  September 18 – November 10, 2023
- **Idea generation engagement**
  September 16 – November 8, 2024
- **Options analysis engagement**
  September 4 to October 31, 2025

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Provincial guidelines recommend initiating a plan review on or before the 10-year anniversary of the current plan's approval.

Progress

The GVS&DD Board has endorsed the draft Solid Waste Management Plan. Any additional comments received before August 1 will be provided to the Ministry of Environment and Parks when the draft plan is submitted for approval.

Read the draft Solid Waste Management Plan

The draft plan builds on Metro Vancouver's current solid waste plan and reflects multiple years of research, engagement, and collaboration. The draft plan outlines:

- A vision and goals to guide the transition to a thriving region where resources are valued and nothing is wasted
- Strategies and actions that support reuse, recycling, and waste prevention, and reduce greenhouse gas emissions from solid waste
- Management of residual garbage as a last resort

Engagement

Metro Vancouver is committed to engaging audiences who may be impacted by or have an interest in the review and update of the solid waste management plan.

> Pre-Engagement (April 27 to May 28, 2021)

> Vision and guiding principles engagement (September 18 to November 10, 2023)

> Idea generation engagement (September to November, 2024)

> Options analysis (September to October 31, 2025)

> Draft plan (January 22 to February 20, 2026)

- [ ] **Receive feedback on draft plan**
  Spring 2026
- [ ] **Plan approval**

Resources

- Solid Waste management Plan Collaborative Engagement Initiative (video)
- Solid Waste Management Plan Update (video)
- Goals and Hierarchy

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Groups included in engagement

- Government and regulatory agencies: including First Nations in BC*, provincial and federal governments, member jurisdictions, adjacent regional districts, crown corporations, airport and port authorities, and health authorities
- Waste and recycling industry: including haulers, processors, extended producer responsibility programs, disposal facilities, waste/recycling industry associations, binner community, and reuse/repair organizations
- Waste producers: including various sectors such as food service, grocery, construction, tourism, office and property management, real estate, retail, residents, and educational institutions
- Industry and business associations: professional associations
- Community, environmental and non-profit groups: non-governmental organizations (NGOs), youth and students, and Indigenous Peoples
- Metro Vancouver residents: community members from all 23 member jurisdictions

*Indigenous People are invited to participate in all public engagement activities. A separate First Nations engagement strategy focuses on government-to-government engagement with First Nations.

Collaborative Engagement Program

The Collaborative Engagement Program was a part of engagement on the draft plan and supported diversity, equity and inclusion in the public engagement process by collaborating with and hearing from people who otherwise may not be aware of or have access to opportunities to help inform the plan update.

Through this program, Metro Vancouver provided funding and support for not-for-profit organizations to engage with their networks to provide ideas and feedback. Organizations that support underrepresented or equity-denied communities, youth, seniors, Indigenous people, and environmental groups were integral to this work. Find out more about the Collaborative Engagement Program.

Contact us

How would you like to be updated and provide feedback on the updated solid waste plan?

Email

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Solid Waste Management Plan Public/Technical Advisory Committee

The Public/Technical Advisory Committee provided advice and input on the development of an updated solid waste management plan. The Public/Technical Advisory Committee has concluded its work. Metro Vancouver is grateful to all committee members for their commitment and valuable contributions to the draft Solid Waste Management Plan.

Learn about the Public/Technical Advisory Committee

> Technical research and studies supporting the plan update

Solid Waste Management Plan Independent Consultation and Engagement Panel

> Members and terms of reference

Project reports

- Residual Waste Management Options Review dated January 7, 2026
- Solid Waste Management Plan Options Analysis Update report dated November 6, 2025
- Solid Waste Management Plan Update report dated June 5, 2025
- Solid Waste Management Plan Vision and Guiding Principles report dated June 13, 2024
- Solid Waste Management Plan Independent Consultation and Engagement Panel report dated November 9, 2021
- Solid Waste Management Plan Engagement report dated November 17, 2021
- Solid Waste Management Plan Public Engagement Program

Contact Us

Live Chat

Monday to Friday 8:00 am - 4:30 pm

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Zero Waste Conference

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Metro Vancouver acknowledges that the region's residents live, work, and learn on the shared territories of many Indigenous Peoples, including 10 local First Nations: q̓i̓c̓ə̓y̓ (Katzie), q̓ʷɑːn̓ƛ̓ə̓n̓ (Kwantlen), kʷikʷəƛ̓əm (Kwikwetlem), máthxwi (Matsqui), xʷməθkʷəy̓əm (Musqueam), qiqéyt (Qayqayt), Semiahmoo, Sḵwx̱wú7mesh Úxwumixw (Squamish), scəẇaθən məsteyəxʷ (Tsawwassen), and səlilwətaɬ (Tsleil-Waututh).

Metro Vancouver respects the diverse and distinct histories, languages, and cultures of First Nations, Métis, and Inuit.

View Metro Vancouver's translated territorial acknowledgment

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Metro Vancouver's Post

Metro Vancouver
September 23, 2025 ·

Metro Vancouver is updating its solid waste management plan — a guiding document that will promote innovation and collaboration, helping shape the region's waste management actions over the next decade and beyond. ♻️

💬 Feedback on potential actions and strategies is vital and will help us create an updated solid waste management plan.

✅ Complete the questionnaire and share your input https://bit.ly/3EGtNaI

#ZeroWaste #metrovancouver



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Public Service

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Metro Vancouver is updating its solid waste management plan — a guiding document that will promote innovation and collaboration, helping shape the region's waste management actions over the next decade and beyond. ♻️

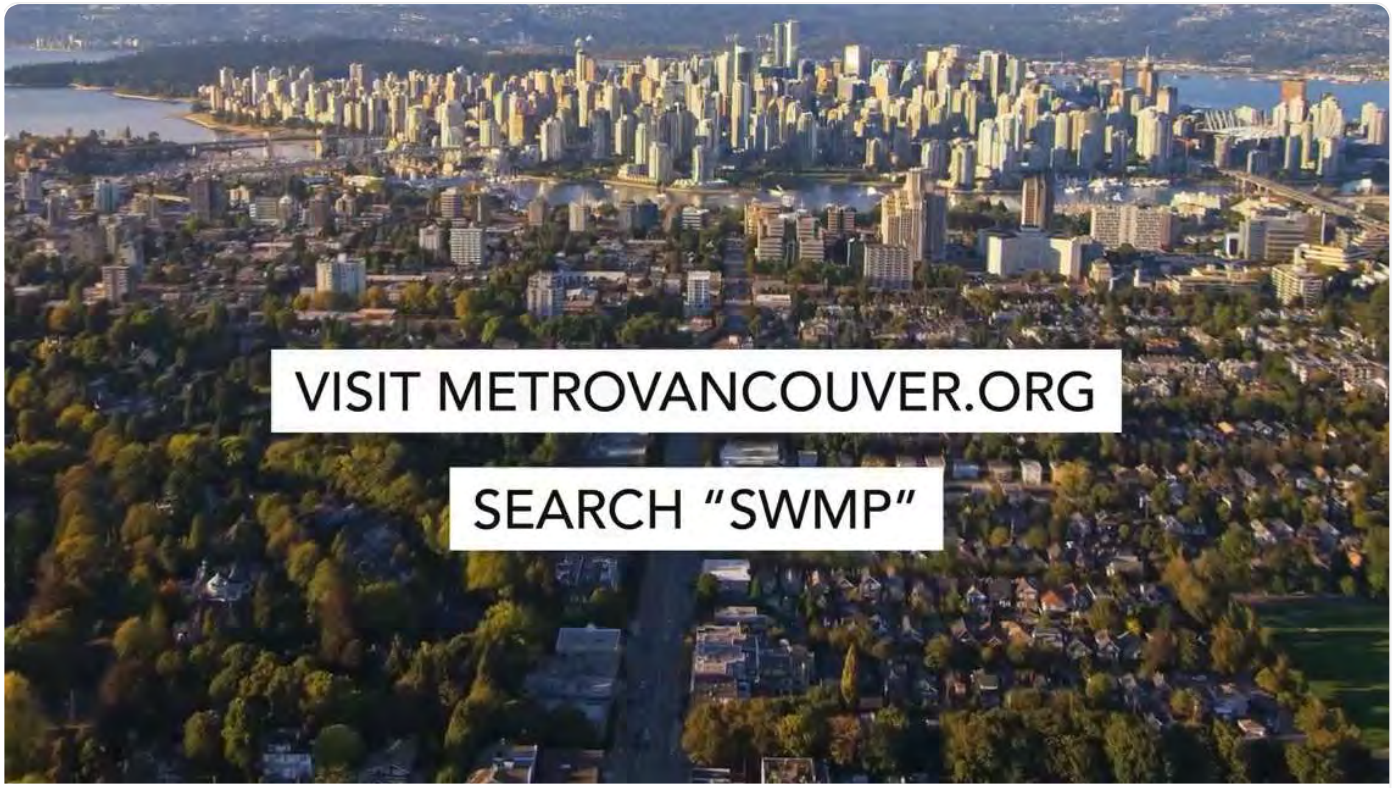
💬 Feedback on potential actions and strategies is vital and will help us create an updated solid waste management plan.

✅ Complete the questionnaire and share your input at the LINK IN BIO.

6 1

September 23, 2025

Log in to like or comment.



Metro Vancouver
53,274 followers
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♻️ Do you reuse and recycle? Do you want to reduce waste and greenhouse gas emissions?

We want to hear from you! Your input can help shape the updated solid waste management plan which supports Metro Vancouver's broader goals of creating a livable and sustainable region — promoting innovation, collaboration, and shaping our collective waste management actions over the next decade and beyond.

Find out more and complete the questionnaire https://ow.ly/GsyQ50WVk7u

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Appendix K

Sample Presentations and Discussion Guides

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Vision and Guiding Principles Discussion Guide and Backgrounder
Vision and Guiding Principles Workshop Presentation
Idea Generation Discussion Guides
Idea Generation Workshop Presentation
Options Analysis Workshop Presentation
Initial Draft Plan Workshop Presentation

metrovancouver

Solid Waste Management Plan Update Backgrounder

March 2023

Prepared By:
Solid Waste Services

Orbit # 56896403

Purpose

The purpose of this backgrounder is provide readers with an understanding of Metro Vancouver's role in managing garbage and recycling in the region, including work underway to advance zero waste, to allow meaningful participation in engagement on the solid waste management plan update.

The current *Integrated Solid Waste and Resource Management Plan* was approved by the Province in 2011, and focuses on reducing waste, improving reuse and recycling, recovering resources from garbage and disposing of remaining garbage in an environmentally sustainable manner. Provincial guidelines recommend initiating a plan review on or before the 10-year anniversary of the current plan's approval. An updated solid waste management plan will build on the strengths of the current plan, and identify opportunities for accelerated waste reduction and recycling while reducing greenhouse gases and promoting a circular economy.

Metro Vancouver is engaging with governments – including First Nations – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan.

What is Solid Waste Management?

Solid waste management is the term used to describe how products, packaging, construction materials, food scraps, yard and garden trimmings, and other materials are managed when they're no longer needed. It includes the decisions we make when using garbage, recycling and green bins, and the services provided by companies, governments and non-profits to collect, transport and process these materials. It also includes actions we take to prevent or reduce the amount of solid waste we produce, at home, work, school and in our community, such as buying less, sharing, repairing, reusing and repurposing.

Metro Vancouver is recognized across North America as a leader in recycling, composting and reducing garbage. An impressive 65% of waste in Metro Vancouver is recycled and diverted because of its committed residents, innovative businesses, and regional and local authorities, recognizing that responsible management of waste is essential for a sustainable, healthy, and equitable region. Despite these successes, every year, close to 1.25 million tonnes of products, packaging and other materials are disposed of from Metro Vancouver residents and businesses. Metro Vancouver recognizes that the responsible management and disposal of waste is essential for a sustainable, healthy, and equitable region.

Solid waste management plans are policy documents which set out a vision, guiding principles and actions for the responsible management of materials that become solid waste. Metro Vancouver is in the process of updating its solid waste management plan.

Why Update the Solid Waste Management Plan?

The region is guided by its commitment to environmental stewardship and cost-effective and accessible waste management services, including the goals within the *Integrated Solid Waste and Resource Management Plan*, approved by the BC Minister of Environment and Climate Change Strategy in 2011. Metro Vancouver is updating this plan and is now seeking feedback to help shape how our region manages waste for the next decade.

Metro Vancouver's current solid waste management plan establishes goals and targets for waste reduction and the recovery of materials and energy from waste, and supporting strategies and actions for Metro Vancouver and its member jurisdictions.

Important themes for an updated plan will include reducing greenhouse gases and promoting a circular economy, which considers environmental, social, and economic factors.

The plan update process is expected to take two to three years and will be supported by robust Indigenous and public engagement. Metro Vancouver will engage audiences and gather feedback to support the plan update:



About Metro Vancouver

Metro Vancouver is a federation of 21 municipalities, one Electoral Area and one Treaty First Nation that collaboratively plans for and delivers regional-scale services in the greater Vancouver region of British Columbia. Core Metro Vancouver services include the provision of drinking water, wastewater treatment and solid waste management. Metro Vancouver also provides affordable housing, regulates air quality, plans for urban growth and manages a regional parks system.





Metro Vancouver services

Vision

Metro Vancouver embraces collaboration and innovation in providing sustainable regional services that contribute to a livable and resilient region and a healthy natural environment for current and future generations.

Mission

1. Serve as a Regional Federation
   Serve as the main political forum for discussion of significant community issues at the regional level and facilitate the collaboration of members in delivering the services best provided at the regional level.
2. Deliver Core Services
   Provide regional utility services related to drinking water, liquid waste and solid waste. Metro Vancouver also provides other core regional services including parks and affordable housing, and acts as the local government for Electoral Area A.
3. Plan for the Region
   Carry out planning and regulatory responsibilities related to the three utility services as well as air quality and climate change, regional planning, regional parks, affordable housing, labour relations, regional economic prosperity, and regional emergency management.

About Solid Waste Services

Metro Vancouver is responsible for planning for less waste, improving reuse and recycling systems as well as managing and disposing of the remaining waste generated by residents and businesses in the region. This reflects the public's expectations of high environmental stewardship, as well as the desire to keep waste management affordable.

The Vancouver Transfer Station and the Vancouver Landfill are owned and operated by the City of Vancouver and function as part of the overall regional solid waste system.

Solid Waste Management

The existing solid waste management plan, approved by the Province in 2011, focuses on reducing waste, improving reuse and recycling, recovering resources from garbage and disposing of remaining garbage in an environmentally sustainable manner. Metro Vancouver continually collects and reviews data on municipal solid waste – waste generated by residents, commercial/institutional sources, and construction and demolition activity – to track progress towards waste reduction and recycling goals. Metro Vancouver is updating its current solid waste management plan, building on the strengths of the current plan and identifying opportunities to accelerate waste reduction and diversion while reducing greenhouse gases and promoting a circular economy. We are actively engaging with governments – including First Nations – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan.

Regional Solid Waste Facilities

Metro Vancouver operates six recycling and waste centres where residents and businesses drop off recyclable materials, yard trimmings and food waste, and garbage. After recycling, the remaining waste is disposed at the Metro Vancouver Waste-to-Energy Facility and the Vancouver Landfill, and any excess is disposed of at remote landfills.

Education and Outreach

Some of the waste that has to be managed can be prevented in the first place. Wise purchasing, repair and reuse of goods, and better access to recycling could lead to less waste going to disposal. Metro Vancouver works with local governments to develop educational materials and behavior change campaigns that encourage a change in our approach to generating waste.

Waste Reduction – Local and National

Our existing solid waste management plan includes a target of reducing the waste created per person by 10% compared to 2010. The 10% reduction in waste generation target has been achieved, but further reducing the amount of waste generated continues to be an important goal for the region. This means advocating for better product and packaging design as well as more selective purchasing by consumers and businesses. To bring about those changes we're engaging partners from across Canada through the National Zero Waste Council.

An Integrated Waste Management System

The solid waste management system in Metro Vancouver depends on the interconnected operations of many different organizations, including governments, the private sector, non-profit organizations and the public.



How do I fit in?

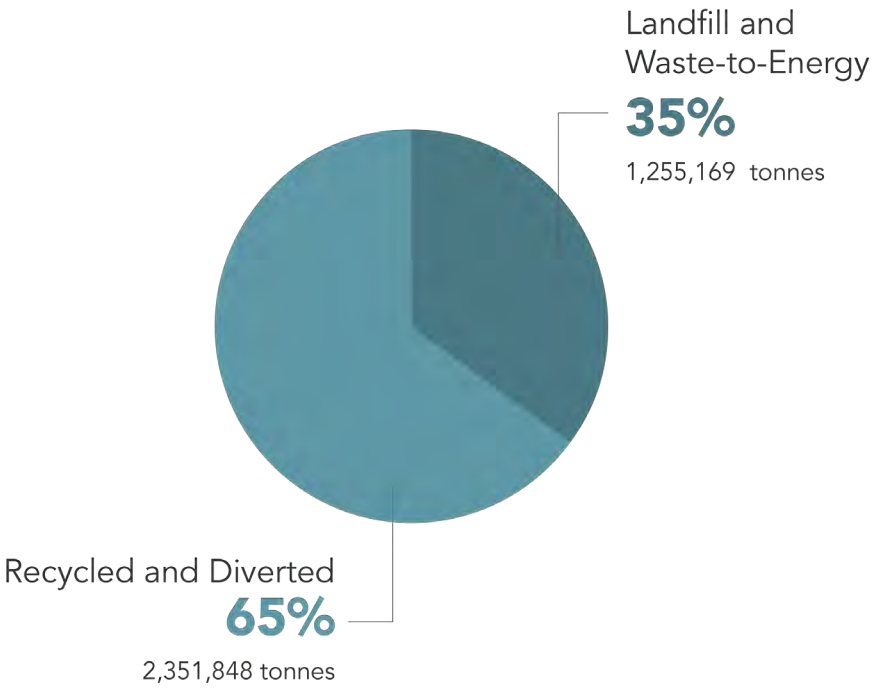
As individuals we can have a huge impact on how much waste is generated in the region. Our habits, such as shopping second hand, repairing and reusing, and putting our food scraps in the green bin have helped Metro Vancouver become a North American leader in waste reduction and recycling. At home, at work, and everywhere we go in between, the choices we make have a big impact on recycling and waste disposal in the region. We can use our voices to advocate for less wasteful practices and increased access to recycling services. Thanks to dedicated Metro Vancouver residents, grassroots movements such as saying no to single-use items have led to policy changes and less waste. Keep up the great work!

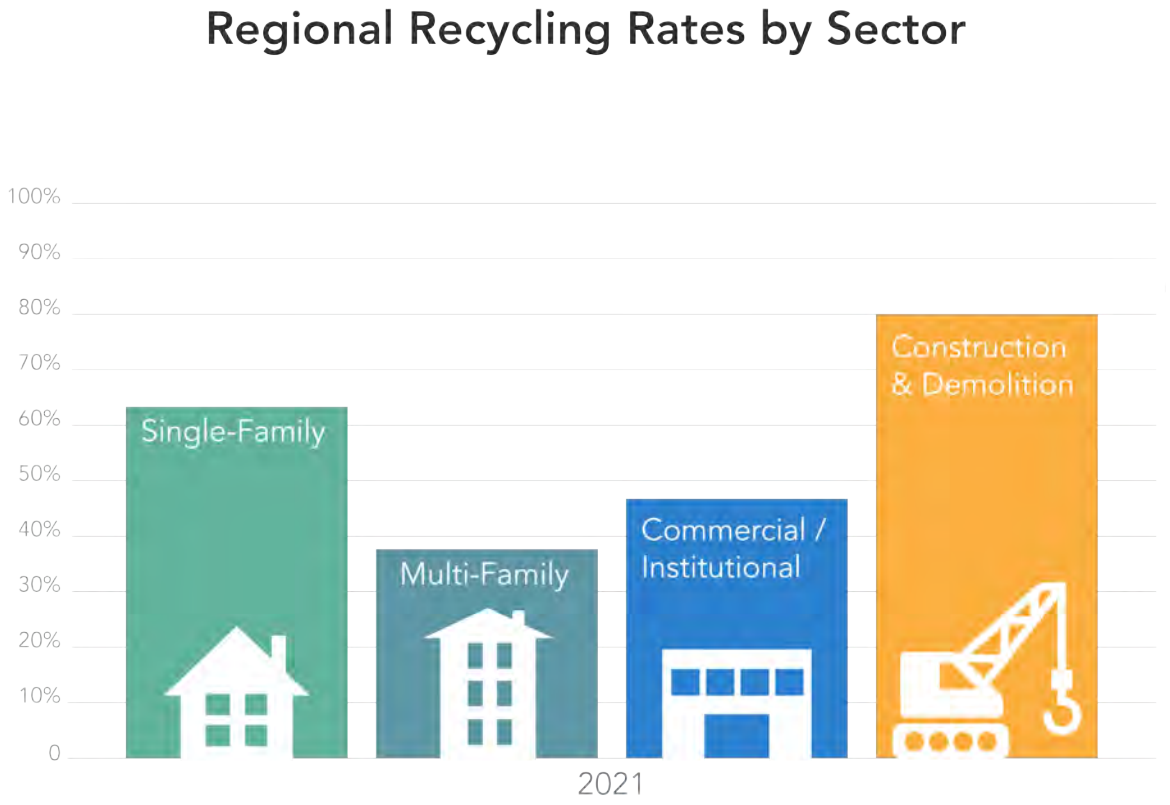
How We Are Doing Today

Recycling Rates

Metro Vancouver is a North American leader in waste reduction and recycling because of the committed local residents and businesses who work hard to recycle, policies supporting waste diversion, and a network of publicly and privately operated facilities to maximize recycling opportunities.

Based on 2021 data, 65% of the waste generated in the Metro Vancouver region is recycled (compared to a Canadian average of 26.5%) and the amount of waste generated has decreased by 11% per person since 2010. Even so, Metro Vancouver residents and businesses dispose of close to 1.25 million tonnes of garbage every year, an indication there is much work to be done. Metro Vancouver's annual solid waste and recycling report provides baseline information and data about how garbage and recycling is managed in Metro Vancouver. View the 2021 report here.





What We've Accomplished Together

A lot has changed over a decade. Together in Metro Vancouver, we've made great strides toward zero waste and are recognized as North American leaders in waste reduction and recycling. Here are some examples of accomplishments in the past decade, thanks to our dedicated residents, businesses, actions by non-profits and governments, progressive waste management policies, programs and regulatory framework:

The National Zero Waste Council, an initiative of Metro Vancouver formed in 2013, is leading Canada's transition to a circular economy by bringing together governments, businesses and NGOs to advance a waste prevention agenda that maximizes economic opportunities for the benefit of all Canadians. The Council acts collaboratively with business, government, and the community, at the national and international level, as an agent of change for waste prevention and reduction in the design, production and use of goods. The council's many initiatives and collaborations have been instrumental in opening a national dialogue on waste reduction, which has impacted not only our region, but the entire nation.

In 2014, Multi-Material BC (now Recycle BC) took over the management of residential packaging and printed paper in the province, which represents the bulk of material that residents recycle. As a result, a consistent province-wide recycling system for these materials is now in place, making it easier to collect, process, and make new products from these materials.



In 2015, food scraps were added to Metro Vancouver's already extensive list of items banned from disposal. This policy supported the organics processing industry in the region to transform food scraps and yard trimmings into compost or energy. This helped pave the way for municipalities to collect food scraps at the curb, and to switch to garbage collection every two weeks, thus effectively reducing the amount of garbage from single-family homes.



Metro Vancouver's many behavior change campaigns have helped educate residents on many zero waste initiatives, including tips for using the green bin ("Food Scraps Aren't Garbage" campaign), how simple habits can help reduce single-use items ("What's Your Superhabit" campaign), ways to make clothing last longer to reduce textile waste ("Think Thrice About Your Clothes" campaign), how to have a less wasteful holiday season ("Create Memories, Not Garbage" campaign) and many more.



Recycling services continued to expand at Metro Vancouver solid waste facilities, and the new United Boulevard and Central Surrey recycling and waste centres feature extended and convenient recycling opportunities for residents and businesses.

Where We Are Headed

Building off the progress of initiatives such as the organics disposal ban, Metro Vancouver strives to continually increase recycling and re-use opportunities in the region. Recent progress on waste reduction, re-use and repair initiatives, as well as investigation into renewable energy opportunities, indicate Metro Vancouver's response to industry trends and efforts to reduce greenhouse gas emissions through effective waste management.

- Waste Prevention Collaborations:
    - FoodMesh: Metro Vancouver contracted FoodMesh to develop a regional food recovery network to help rescue and redistribute surplus food, moving food up the waste hierarchy to feed animals and people.
    - Urban Repurpose: Metro Vancouver implemented 'ReUse Days' at recycling and waste centres working with Urban Repurpose, collecting items from customers that can be reused instead of recycled or disposed.
    - Ocean Ambassadors: Metro Vancouver is working with Ocean Ambassadors to expand their successful reusable container program on the North Shore, with the intention to encourage similar programs throughout the region.
- Renewable Energy:
    - Metro Vancouver is developing a district energy system to provide energy for heat and hot water to developments in Vancouver, Burnaby and potentially New Westminster. The project will provide heat and hot water for up to 30,000 homes and reduce greenhouse gas emissions by up to 45,000 tonnes per year.
    - Small load waste, consisting of materials brought to Metro Vancouver facilities by residents and contractors in hand-unloaded vehicles, has been identified as another target for future renewable energy initiatives, with the potential to reduce disposal by up to 120,000 tonnes per year through the recovery of recyclables and alternative fuel.
- Greenhouse Gas Reduction:
    - Metro Vancouver is exploring carbon capture and utilization opportunities to reduce emissions from regional solid waste facilities. Metro Vancouver will revisit opportunities to incorporate new technologies to minimize our carbon footprint

Your Opinion Counts

Metro Vancouver is committed to engaging audiences and governments who may be impacted by or have an interest in the review and update of the solid waste management plan, with additional emphasis on engaging underrepresented and equity-denied communities by reducing barriers to participation.

Pre-engagement was initiated in 2021 to find out how audiences wanted to be engaged in the process to update the regional solid waste management plan. Metro Vancouver established an Independent Consultation and Engagement Panel, consisting of third party engagement experts to guide the development and implementation of a robust and inclusive engagement process.

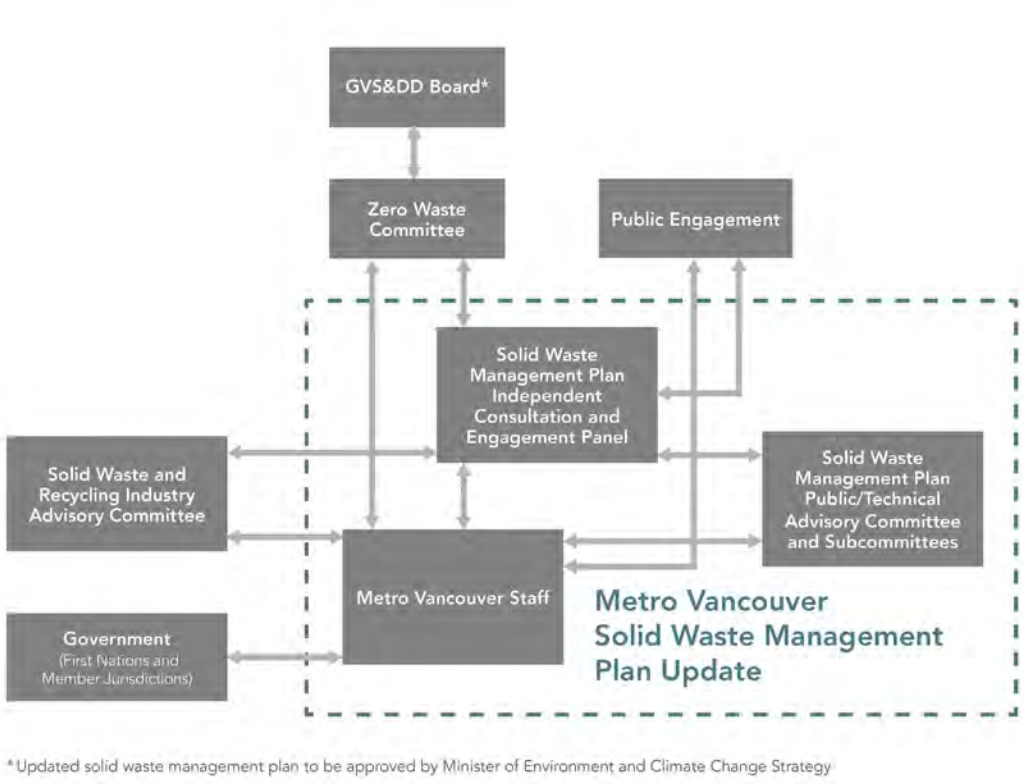
Audiences will be asked to provide feedback during all phases of engagement. Key examples include:

- **Government and regulatory agencies, including Indigenous Peoples**, provincial and federal governments, member jurisdictions, adjacent regional districts, crown corporations, airport and port authorities, and health authorities
- **Waste and recycling industry**, including haulers, processors, producer responsibility organizations, disposal facilities, waste/recycling industry associations, binner community, and reuse/repair organizations
- **Waste producers**, including various sectors such as food service, grocery, construction, tourism, office and property management, real estate, retail, residents, and educational institutions
- **Industry and business associations**, professional associations and academic institutions
- **Community, environmental and non-profit groups**, NGOs, youth and students, and urban Indigenous Peoples
- **Metro Vancouver residents**

In 2022, Metro Vancouver convened two advisory committees that will be heavily involved in providing feedback on the plan update throughout the phases of engagement:

- Public/Technical Advisory Committee – members represent a diversity of sectors and interests, who bring various personal qualities, perspectives and experiences to solid waste and recycling issues. Learn more.
- Solid Waste and Recycling Industry Advisory Committee – members represent private waste and recycling collection and processing companies, and their industry associations. Learn more.

Feedback from these two advisory committees along with input from member staff advisory committees, public engagement efforts, and the Indigenous engagement process, will help shape the updated solid waste management plan over the next 2-3 years.



Technical Studies and Planning

Metro Vancouver is also undertaking technical studies that will support engagement on the solid waste management plan update. The studies inspire idea generation and guide the analysis of options to accelerate waste reduction and diversion while reducing greenhouse gases and promoting a circular economy.

The studies will provide information on:

- how various future scenarios could affect the Metro Vancouver solid waste system
- current challenges and opportunities
- global best practices, and new research and technologies
- financial, social and environmental impacts of various future options/scenarios, and
- performance metrics.

Information from the technical studies will be shared as background information during engagement to help participants discuss ideas, compare options and support actions that could be included in the updated plan.



Circular Economy and 3Rs Study

This study introduces the circular economy and highlights opportunities for our region through local and global examples with the potential to reduce waste and address climate change, equity, community cohesion, regional prosperity, ecological health, and air quality.



Solid Waste System Assessment Study

The study assesses the current regional solid waste system by profiling existing programs and facilities, highlighting best practices, and modeling different facility scenarios to forecast future demands and improvements.



Residual Disposal Management Options Review

This study will review options to manage garbage and investigate innovative approaches to managing residual materials.



Solid Waste Management Plan Literature Review

This study will review solid waste management plans from other leading jurisdictions globally and summarize leading initiatives and best management practices.



Solid waste management plan update – planning inputs

Next Steps

Metro Vancouver looks forward to collaborating with you in the coming years to develop and implement a solid waste management plan that reflects your values, priorities and interests. This can be achieved through rigorous technical research and a robust engagement process involving governments – including First Nations – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents.

At each phase of engagement on the solid waste management plan, an accompanying Discussion Guide will present themes and issues for consideration, and provide prompting questions for discussion, reflection and feedback. Information and resources related to the current phase of engagement can be found on the Metro Vancouver website (visit metrovancouver.org and search 'solid waste management plan engagement').

We hope that through this process we can accelerate waste reduction and diversion, reduce greenhouse gases, promote a circular economy, and build new goals to advance towards. **Together we make our region strong.**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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Metro Vancouver Solid Waste Management Plan Update

Vision and Guiding Principles

DISCUSSION GUIDE
March 2023

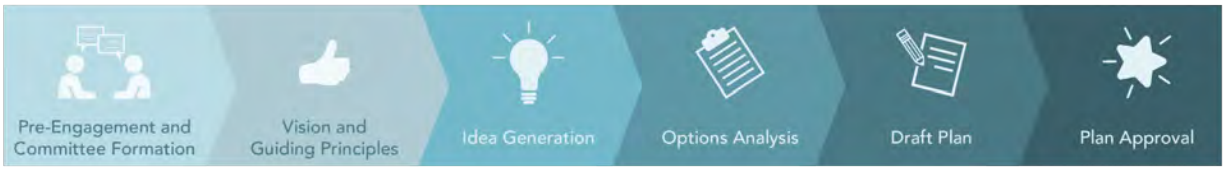
Prepared By:
Solid Waste Services

1.0 INTRODUCTION

Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan, and identifying opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy, where products are kept at their highest value. The plan update process will be supported by robust Indigenous and public engagement.

In 2021, Metro Vancouver conducted pre-engagement to learn how audiences would like to engage with Metro Vancouver on the solid waste management plan update. An Engagement Plan was developed, incorporating feedback received from 350 individuals through a questionnaire, written responses, meetings, and presentations, and considering input from a panel of engagement experts. In 2022, Metro Vancouver convened two key advisory committees – the Solid Waste Industry Advisory Committee and the Solid Waste Management Plan Public/Technical Advisory Committee – to provide ongoing advice and support.

This discussion guide focuses on the **vision and guiding principles** for the updated solid waste management plan, which will set the overall plan direction before the next phase, Idea Generation.



This document describes what a vision statement and guiding principles could entail, draws inspiration from existing vision statements and guiding principles from Metro Vancouver, the provincial government, and leading jurisdictions around the world, and seeks feedback through discussion questions.

Vision

A succinct narrative that describes the desired future

"Where are we headed?"

"What do we want the future to look like?"

Guiding Principles

A list of values that guides decision-making and determine how the work is approached

"What do we need to consider as we develop the plan?"

"What should all strategies and actions take into account?"

2.0 ENGAGEMENT ON VISION AND GUIDING PRINCIPLES

The vision and guiding principles will set the plan foundation and direction, and reflect fundamental values that guide plan development and implementation.

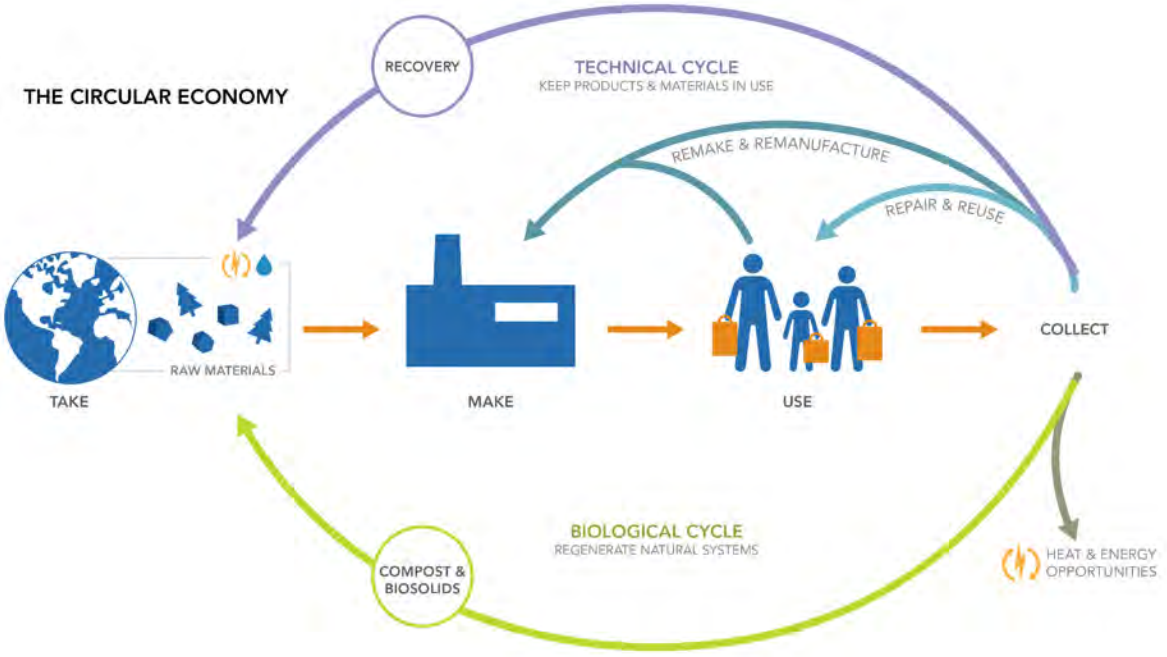
Metro Vancouver is actively engaging with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan. Engagement feedback will be used to help develop the vision and guiding principles for the updated plan, setting the direction and building the foundation as we enter into the next phase of engagement: Idea Generation.

3.0 SOLID WASTE MANAGEMENT IN METRO VANCOUVER

Metro Vancouver is a North American leader in waste reduction and recycling. Metro Vancouver's solid waste facilities, programs, and policies are known throughout the industry and our 65% recycling rate is among the highest in North America. So where do we go next?

Metro Vancouver's vision and guiding principles for managing solid waste should take into account the vision and principles of the region as a whole, as well as those of the province and of leading jurisdictions around the world. The BC Ministry of Environment and Climate Change Strategy's *A Guide to Solid Waste Management Planning* provides eight provincial principles for solid waste management. Additional guiding principles for the Metro Vancouver solid waste management plan will be developed through this phase of the plan update process.

In addition to waste reduction and diversion, important themes for the updated plan will include reducing greenhouse gases and promoting a circular economy, which considers environmental, social, and economic factors. A circular economy framework is critical to reducing waste and greenhouse gas emissions. A circular economy framework also aligns with the provincial waste management 5Rs hierarchy. In a circular economy the value of products is retained after their initial use through rethink, reduce, reuse, repair, and remanufacture. Keeping products functioning at their highest potential reduces embodied emissions and reduces emissions associated with waste management. Transitioning to a circular economy will gradually decouple economic activity from the consumption of finite resources by designing waste out of the system and helping to regenerate natural systems.



4.0 WHAT IS A VISION STATEMENT?

A vision statement answers the questions "Where are we headed?" and "What do we want the future to look like?" It is a short statement that describes the desired future in relation to the scope of the plan, or a shared understanding of the desired future state or success.

A vision looks to the future and must consider the future context, including but not limited to solid waste management. Themes might include regional growth, affordability, climate change, reconciliation, equity, stewardship, innovation, and resilience, and account for changes that should be expected in the coming years.

5.0 WHAT ARE GUIDING PRINCIPLES?

Guiding Principles outline the values that guide decision making and determine how the work is approached. Guiding principles describe the fundamental values that guide plan development and implementation and can be used to help evaluate goals, strategies, and/or actions.

The Metro Vancouver Board's cross-cutting themes include principles of regional growth, regulation and legislation, affordability, reconciliation and equity, climate action/resilience, and system stewardship. Guiding principles can also be adapted into short phrases rather than individual words, such as "Provide for ongoing prosperity" (Integrated Solid Waste and Resource Management Plan) or "Promote zero waste approaches and support a circular economy" (BC Ministry of Environment and Climate Change Strategy).

6.0 EXISTING SOLID WASTE MANAGEMENT PLAN

The Integrated Solid Waste and Resource Management Plan, approved by the Province in 2011, sets out Metro Vancouver's existing waste management and recycling goals and targets. An updated plan will build upon the successes of the current plan, adapting it for the challenges we face today and utilizing the most up-to-date solutions.

6.1. Vision statement: current solid waste management plan

The following is an excerpt from the 2011 approved *Integrated Solid Waste and Resource Management Plan*'s Vision Statement, which adopted the regional vision at the time:

"Metro Vancouver has a vision to achieve what humanity aspires to on a global basis – the highest quality of life embracing cultural vitality, economic prosperity, social justice and compassion, all nurtured by a beautiful and healthy natural environment"

"Building a sustainable, livable region is the overarching regional vision."

6.2. Guiding principles: current solid waste management plan

The *Integrated Solid Waste and Resource Management Plan* follows the sustainability principles set out in Metro Vancouver's Sustainability Framework, the principles of Integrated Resource Recovery and the 5R hierarchy of resource management (reduce, reuse, recycle, recover energy or materials, and dispose of residuals).

- Sustainability
    - Having regard for both local and global consequences, and long-term impacts
    - Recognizing and reflecting the interconnectedness and interdependence of systems
    - Being collaborative
    - Protecting and enhancing the natural environment
    - Providing for ongoing prosperity
    - Building community capacity and social cohesion
- Integrated Resource Recovery
    - Enabling the 'wastes' from one system to become 'resources' for another
- Resource Management Principles: The 5Rs
    - Reducing waste at source
    - Reusing where possible
    - Recycling products at the end of their useful life
    - Recovering energy or materials from the waste stream
    - Managing Residuals in an environmentally sound manner

- Public Health Principles
    - Investing in upstream preventative solutions as opposed to downstream problem management
    - Fairness and equity
    - Transparency
- Process and Consultation
    - Consulting and cooperating with municipalities, senior government, First Nations, health authorities, the business community, and the public
- Aligning with Provincial Initiatives
    - Ensuring environmental and fiscal objectives are mutually supportive and successful
- Aligning with Federal Initiatives
    - Supporting principles of and including actions to accelerate Extended Producer Responsibility (EPR), aligning with the Canadian Council of Ministers of the Environment (CCME) waste management approach

7.0 OTHER METRO VANCOUVER MANAGEMENT PLANS AND OTHER LEADING JURISDICTIONS

Below are examples of vision statements and guiding principles found in other Metro Vancouver plans.

Plan	Vision Statement	Guiding Principles
Integrated Liquid Waste and Resource Management Plan (update ongoing)	*Healthy Waters: For All. Forever.*	1. Innovate, strive for value and cost effectiveness, be resilient and adaptive to climate change 2. Collaborate closely with a range of organizations to achieve outcomes that are beneficial for all, share data on how we are doing openly and transparently, and align with other initiatives taking place in the region 3. Integrate equity throughout, including fairness and justice, to address any barriers that may keep people from accessing wastewater services 4. Minimize greenhouse gas emissions and contributions of pollutants to the environment, including the ocean and our local rivers and streams

Clean Air Plan	*Metro Vancouver is a carbon neutral region where residents experience healthy, clean and clear air.*	1. Ambitious 2. Evidence-based 3. Equitable 4. Inclusive & Collaborative 5. Preventative 6. Continuous Improvement 7. Prioritize Co-benefits (improve air quality and educe greenhouse gas emissions) 8. Dynamic 9. Transparent 10. Comprehensive & Integrated
Metro Vancouver Board Strategic Plan*	*Metro Vancouver embraces collaboration and innovation in providing sustainable regional services that contribute to a livable and resilient region and a healthy natural environment for current and future generations.*	Metro Vancouver Board Strategic Plan Cross-Cutting Themes: 1. Regional Growth 2. Regulation & Legislation 3. Affordability 4. Reconciliation & Equity 5. Climate Action/Resilience *6.* System Stewardship

**To be updated in 2023*

A literature review of vision statements and guiding principles in solid waste management plans from other leading jurisdictions revealed several common themes:

- Social, environmental and economic sustainability
- Waste reduction
- Waste management hierarchy
- Recovery and reuse
- Collaboration at all levels
- Social justice, equity and accessibility

8.0 PROVINCIAL GUIDING PRINCIPLES

Under the *BC Environmental Management Act*, regional districts are required to develop a solid waste management plan for approval by the Minister of Environment and Climate Change Strategy. The BC Ministry of Environment and Climate Change Strategy's *A Guide to Solid Waste Management Planning* provides eight provincial principles for solid waste management. Engagement will help to inform additional guiding principles, with a focus on areas that are specific to our local region.

The provincial guiding principles are as follows:

1. Promote zero waste approaches and support a circular economy
2. Promote the first 3Rs (Reduce, Reuse and Recycle)
3. Maximize beneficial use of waste materials and manage residuals appropriately
4. Support polluter and user-pay approaches and manage incentives to maximize behaviour outcomes
5. Prevent organics and recyclables from going into the garbage wherever practical
6. Collaborate with other regional districts wherever practical
7. Develop collaborative partnerships with interested parties to achieve regional targets set in plans
8. Level the playing field within regions for private and public solid waste management facilities

9.0 DISCUSSION QUESTIONS

Metro Vancouver is engaging audiences on the creation of **vision and guiding principles** for the updated solid waste management plan, which will set the overall plan direction. A vision describes what we want the future to look like, while guiding principles describe the fundamental values behind the updated plan. To help develop a vision and guiding principles that are reflective of the goals and values of Metro Vancouver residents, the questions below prompt discussion to help us understand what matters to you, and what your hopes are for the future.

Q1 What waste reduction, recycling and garbage disposal topics are most important to you, now and into the future?

Q2 List words or phrases that describe what matters to you, when you decide what to do with products, packaging and materials you no longer need.

Q3 The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?

Q4 Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

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Vision and Guiding Principles Workshop

October 24, 2023

Solid Waste Management Plan Update





Opening Remarks

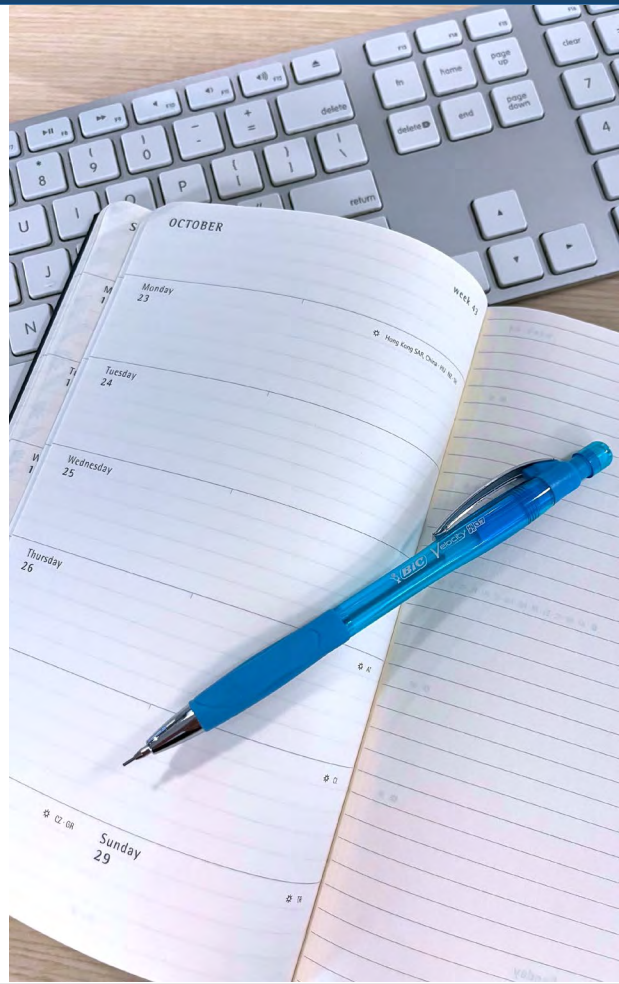


COMMUNITY WORKSHOP GUIDELINES

- ✓ All perspectives are welcome.
- ✓ There are no right or wrong ideas or insights.
- ✓ We will balance airtime ensuring we hear from everyone.
- ✓ Please engage as you'd like and feel free to pass and we will come back to you
- ✓ We don't need to agree… in fact we welcome different perspectives.
- ✓ *Anything else that is important to you for our time together?*

COMMUNITY WORKSHOP AGENDA

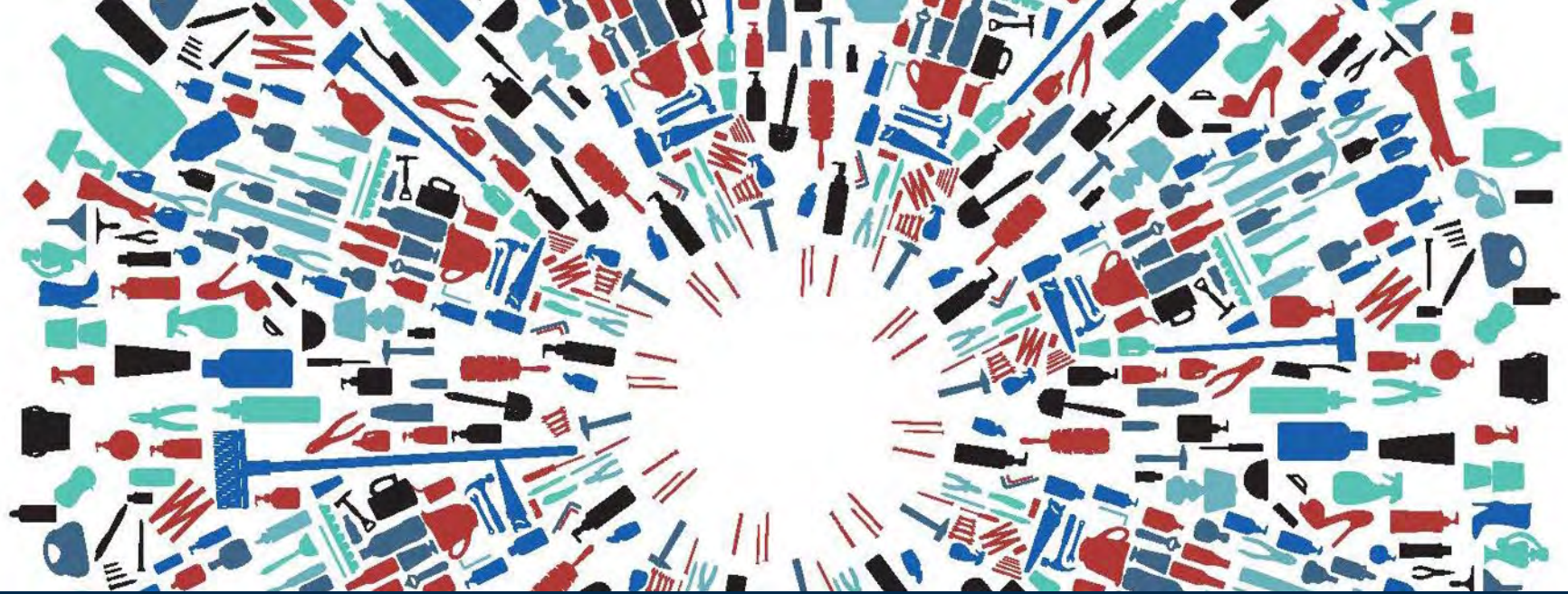
1. Introductions
2. Vision and guiding principles project overview
3. Group discussion and feedback
4. Next steps and closing remarks





Introductions





Circular economy

Solid Waste Management Plan Update

VISION AND GUIDING PRINCIPLES

Stephanie Liu, MEnvSc, EPt

Program Manager, Community Engagement

Community Workshop, October 24, 2023

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Public Consultation and Engagement Summary Report | 2811

SOLID WASTE MANAGEMENT PLAN UPDATE



VISION AND GUIDING PRINCIPLES





Video


03:12



United Boulevard Recycling and Waste Centre

Metro Vancouver Solid Waste Services Overview

OVERVIEW

Paul Henderson, P.Eng

General Manager, Solid Waste Services

Community Workshop, October 24, 2023

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TOGETHER
WE MAKE OUR REGION
STRONG

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23 Member Jurisdictions

2.8 Million Residents

53% of BC population



METRO VANCOUVER SERVICES

Metro Vancouver plans for and delivers regional public and utility services.
It is a regional federation of 21 municipalities, Tsawwassen First Nation, and Electoral Area A.



MANAGEMENT PLANS



GUIDING POLICY & TARGETS

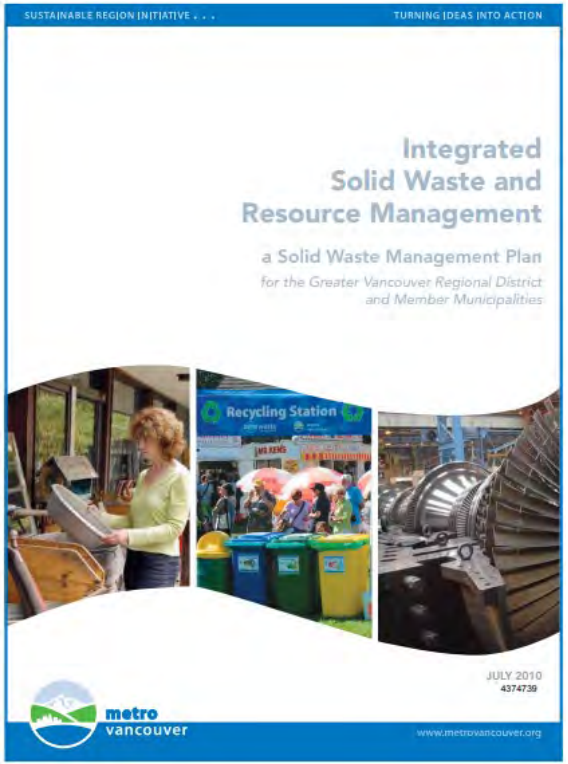
2011 Solid Waste Management Plan

Goal: 10% Reduction Waste Generation (Achieved 11%)

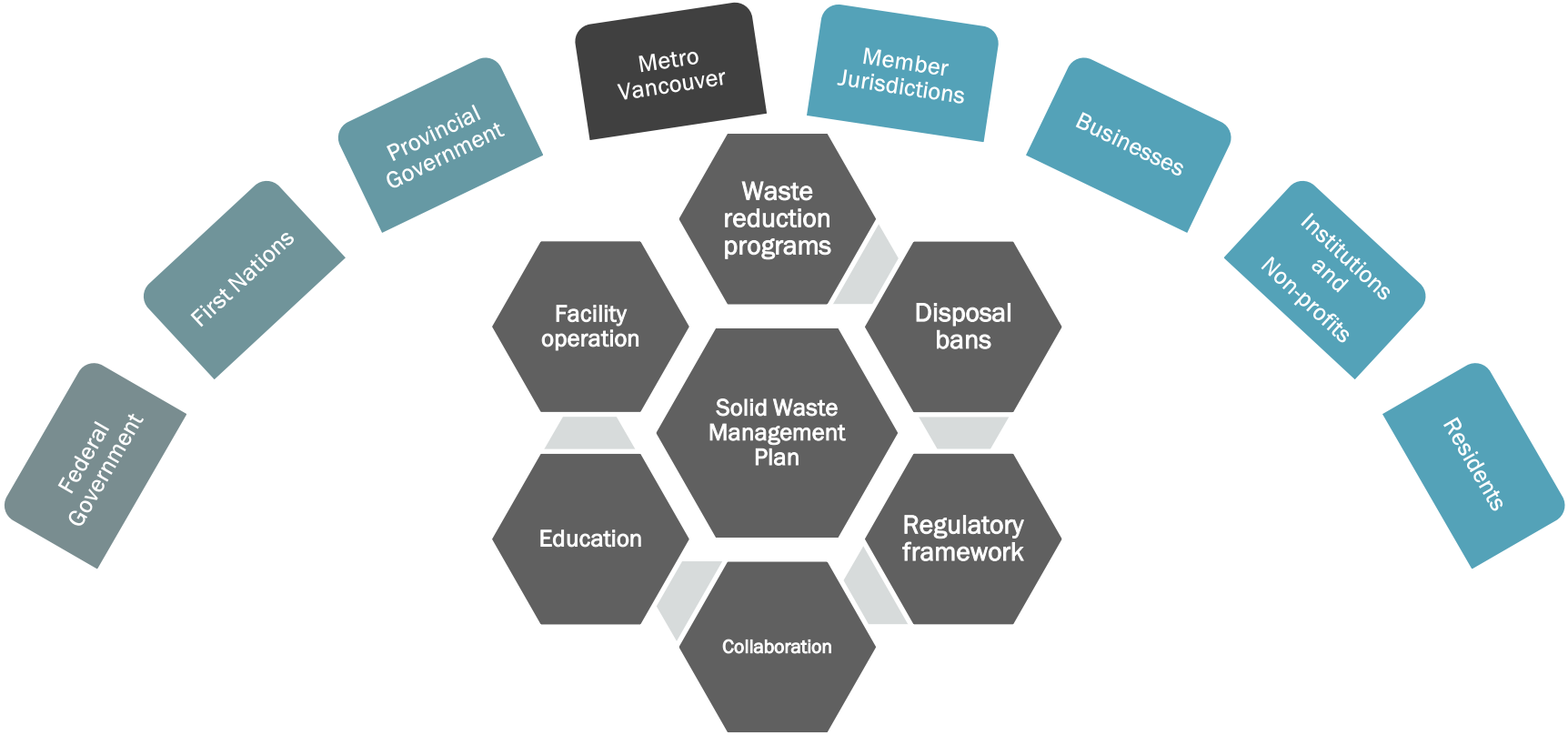
Generation = Recycled + Disposed

Goal: 80% Recycling Rate (Achieved 65%)

Recycling Rate = Recycled / Generated



INTEGRATED SOLID WASTE SYSTEM



PROJECT OVERVIEW:

ABOUT THE SOLID WASTE MANAGEMENT PLAN

The solid waste management plan will guide the solid waste strategies and actions, targets and priorities for the future.

The new plan will identify how our region can continue to:

- ✓ Reduce waste
- ✓ Increase reuse and recycling
- ✓ Reduce greenhouse gas emissions
- ✓ Support a circular economy

PROJECT OVERVIEW:
WHY THE SOLID WASTE MANAGEMENT PLAN MATTERS

Metro Vancouver is a North American leader in waste reduction / recycling:

- 65% recycling rate – twice the Canadian average
- Striving for zero waste, greenhouse gas emission reduction, and a circular economy

The updated plan will direct key future actions and initiatives.

METRO VANCOUVER BOARD STRATEGIC PLAN

Strategic priorities and principles that guide our work



ENGAGEMENT FEEDBACK

First Nations | **Member Jurisdictions** | **Waste/Recycling Industry** | **Businesses** | **Institutions** | **Non-Profits** | **Residents**



Engagement will help guide updates to the solid waste management plan

COLLABORATIVE ENGAGEMENT

- Offering funding for organizations to engage on Metro Vancouver's behalf
- Not-for-profit organizations with interest in solid waste management
- Providing up to $5,000 to cover the cost of community outreach and engagement activities
- Email zerowaste@metrovancouver.org if interested

WHERE ARE WE AT NOW?



Seeking feedback on the fundamental values, vision and guiding principles that will guide the plan development and implementation.

EMERGING THEMES FROM EARLY ENGAGEMENT

- Accountability and transparency for producers and consumers to reduce waste
- Affordability and accessibility of recycling and waste disposal options
- Circular economy – reuse, repair, and refurbish
- Convenience and consistency for waste and recycling services
- Environmental stewardship – protection of natural spaces
- Climate resilience – investing in systems with low climate impact
- Equity and societal improvements – all groups have access to information, education and services
- Education and behaviour change
- Incentives for recycling and waste reduction – for businesses and individuals
- Product design and innovation – designing products to be more circular and regenerative

Round Table:

Questions & Clarification





Photo Caption here

SMALL GROUP ACTIVITY

TOP TWO: FROM YOUR PERSPECTIVE…

From the list of emerging themes

You will be moved into small groups to discuss the **top two themes** that stand out for you as most important when developing a vision and guiding principles for the solid waste management plan in Metro Vancouver. Why those two?

Reflections from Whole Group



Photo Caption here

SMALL GROUP ACTIVITY

BOTTOM TWO: FROM YOUR PERSPECTIVE…

From the list of emerging themes

You will be moved into small groups to discuss the least important themes for you when developing a vision and guiding principles for the solid waste management plan in Metro Vancouver. Why those two?



Break

Reflections from Whole Group



Photo Caption here

WHAT'S MISSING, WHAT ELSE?

Help fill in the gaps by completing the following:

When you think well into the future, what guiding principles are being prioritized for Metro Vancouver to continue to be a leader in solid waste management?

INDIVIDUAL CLOSING STATEMENT

When thinking about a vision and guiding principles for solid waste management in Metro Vancouver, the overall most important thing for me is…

NEXT STEPS

Vision and guiding principles engagement

- Questionnaire is open until November 10, 2023
- Community events across Metro Vancouver (September/October 2023)
- Speak with the Independent Consultation and Engagement Panel (December 1)
- Collaborative engagement opportunity for not-for-profit organizations

Use QR code to take the questionnaire and sign up for project updates

FEEDBACK

- ❑ We are committed to continuously improving how we engage.
- ❑ We would appreciate you taking a short 3-minute survey to provide feedback on the workshop.
- ❑ Paper copies are available.
- ❑ Please email additional feedback to zerowaste@metrovancouver.org



Thank you for your participation and engagement!

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What actions can build on our success to rethink and prevent waste in the first place?



How can waste reduction fight climate change? Everyday items like coffee cups require energy, water, and materials to make. By switching to reusable items and repairing instead of replacing, we can lower our carbon footprint and reduce waste. Win-win!

Waste Prevention and Reduction

How are we doing?

Our region has reduced the amount of waste generated by 11% since 2011	Approximately 78,500 tonnes of material were reused in Metro Vancouver in 2022	Per person waste disposal has decreased by 23% since 2011	Metro Vancouver helped fund 19 repair café events in 2023

Promotion and Education

Waste reduction campaigns:

- "**Create Memories Not Garbage**" for holiday waste
- "**Think Thrice**" for textiles
- "**What's your Superhabit?**" for single-use items

Construction and Demolition Reduction and Recycling Toolkit

- Includes opportunities to prevent waste from construction and demolition sites

Reuse education for businesses

- In partnership with **Ocean Ambassadors Canada**

Metro Vancouver Recycles database

- Includes reuse locations

Advocacy

National Zero Waste Council

- Takes action to prevent waste Canada-wide

Canada Plastics Pact

- Explores plastic waste reduction

Canadian Circular Textiles Consortium

- Works to keep textiles out of the garbage

Provincial and Federal Single-Use Item Regulations

- Informed by conversations with Metro Vancouver and member jurisdictions

Programs and Pilots

Regional Food Recovery Network

- Rescues food before it goes to waste

Temporary storage of homes at a former Metro Vancouver landfill

- Allows homes to be moved rather than demolished

Repair café funding

- Helps residents to repair broken items.

Reuse days

- Stops reusable items from being disposed

What actions can build on our success to enhance accountability for eliminating waste?



Enhancing Accountability

How are we doing?

18 stewardship agencies reported recycling a total of 237,731 tonnes in 2022 across our region.

Recycle BC assumed responsibility for packaging and paper products recycling from single and multifamily homes in 2014, a huge step forward for producer accountability!

17 of Metro Vancouver's 22 member jurisdictions collect garbage every other week, providing incentive for residents to throw less away.

The list of items that producers are responsible for continues to grow, with single-use items and party supplies recently added.

Individual Accountability

Free or low cost recycling drop off

- Helps provide a cost incentive to recycle

Smaller bin sizes

- Are offered by many municipalities for a lower fee than larger options

Education and awareness campaigns

- Help highlight the benefits of waste reduction and recycling and provide examples to residents of actions they can take

Producer Accountability

Extended Producer Responsibility in BC

- Many producers are responsible for recycling their products and packaging. For example:
  - **Beverage containers**
  - **Electronics**
  - **Batteries**
  - **Packaging**
  - **Paper Products**
  - **Paint**
  - **Pharmaceuticals**
  - **Tires**
  - **Used oil and antifreeze**
  - Appliances (**small** and **large**)

Research and Advocacy

Metro Vancouver researches and provides input on new regulations, including:

- **Expanding the types of materials that are the responsibility of producers**
- **Expanding accountability beyond just residential products and packaging**
- **Shifting accountability from municipalities to producers for recycling collection in public spaces**
- **Reducing additives that make materials challenging to recycle**

What actions can build on our success to leverage knowledge and expertise through collaboration?

Collaboration and Innovation

How are we doing?

National Partners

National Zero Waste Council
- Takes action to prevent waste Canada-wide

Love Food Hate Waste Canada
- Focuses on reducing wasted food

Canada Plastics Pact
- Works to eliminate problematic plastics

Canadian Circular Textiles Consortium
- Calls for action to reduce the impact of the apparel industry

Circular Economy Leadership Coalition
- Fosters collaboration on circular economy issues

Circular Innovation Council
- Puts circular economy concepts into action

Local Partnerships

Reuse Days
- Opportunities to drop off reusable items in partnership with at regional solid waste facilities

FoodMesh Regional Food Recovery Network
- Rescues surplus food before it goes to waste

City Farmer Regional Compost Hotline
- Provides information on composting for residents

Metro Vancouver Recycles
- Powered by the Recycling Council of British Columbia

Ocean Ambassadors Canada
- Provides education resources to businesses to increase reuse

Solid Waste and Recycling Industry Advisory Committee
- Supports Metro Vancouver in management planning, operations and policy

Solid Waste Management Plan Public and Technical Advisory Committee
- Represents multiple interests and provides input on the solid waste management plan update

Innovation

Waste-to-Energy District Energy Project
- Will provide heat and hot water for up to 50,000 homes

Interactive Wayfinding
- Helps residents navigate new recycling and waste centres

Artificial Intelligence Research Project:
- Examines the practicality of artificial intelligence sensors in waste bins

State-of-the-art Recycling and Waste Centres
- Making it easier than ever for residents to drop off reusables and recyclables

Construction Waste Pilot
- Explored the possibility of making new products from discarded wood

UBC Sustainability Scholars Program
- Facilitates waste reduction and recycling research

There are many contributors to the solid waste system in our region:



What actions can build on our success to increase participation and reduce contamination in organics and recycling programs?



Composting food scraps is an easy way to have a big impact in our region.
By using their green bins, Metro Vancouverites have:

- Saved 400,000 tonnes of food scraps from the garbage in 2021.
- Prevented 160,000 tonnes of greenhouse gases in 2021 – comparable to taking 50,000 cars off the road.

Recycling and Composting

How are we doing?

Garbage Composition (2022)

- **27%** construction and demolition waste
- **25%** compostable organics
- **19%** recyclables
- **5%** textiles
- **3%** single use items
- **20%** materials with limited recycling options

Recycling Rate (2022)

- Multi-family: **36%**
- Single-family: **64%**
- Commercial/ Institutional: **48%**
- Construction & Demolition: **80%**

Progress

- Compostable organics disposed with garbage have decreased from **35%** in 2011 to **23%** in 2023.
- Recycling rate has increased from **57%** in 2011 to **65%** in 2023

Organics

Organics Disposal Ban

- Encourages food scraps and yard trimmings to be composted

Every-other-week Garbage Collection

- Provides an incentive for residents to use their green bin

City Farmer

- Provides resources and subsidized backyard composters for all residents

Municipal and Private Organics Management Facilities

- Process our organic material into usable end products

Recyclables

RecycleBC

- Has helped create a consistent province wide system for residential recycling of packaging and printed paper

What can be recycled

- Continues to grow with the help of organizations such as RecycleBC

Recycling and Waste Centres

- Continue to offer opportunities to drop off more types of items, with recycling depots planned in North Surrey and Langley

Reducing Contamination

What goes where?

- Municipalities have programs in place to educate residents about what belongs in their green bins and recycling containers
  - The Recycling Council of BC allows residents to **call to ask questions** about where to recycle specific items

Pastics labelled compostable

- Are considered garbage in most municipalities

"Food Scraps Aren't Garbage" Campaign

- provides residents with tips on proper green bin usage

What actions can build on our success to promote confidence in recycling systems?



Promoting Confidence in Recycling Systems

How are we doing?

Metro Vancouver tracks recycling tonnage for 15 commodities	Detailed solid waste statistics are available in annual reports on Metro Vancouver's webpage. Additional years back to 2010 available upon request.	In a recycling rate review, only 2 out of 11 jurisdictions reviewed measure and report on as many material types as Metro Vancouver	Detailed methodology for how Metro Vancouver calculates the regional recycling rate is provided in each year's annual solid waste and recycling report.

Measurement

Metro Vancouver measures:

- Tonnes recyclable and reusable material collected by material type and by facility
- Tonnes of recyclable material remaining in the garbage through waste composition studies

Metro Vancouver collects data from others on:

- Overall tonnes managed by private facilities, by commodity type
- Tonnes managed by extended producer responsibility organizations, by material type
- Recycling rates for construction and demolition facilities

Reporting

Annual reports
Includes: Total tonnage by material type, overall and sector specific recycling rates, calculation methodology

Biennial reports
Includes: Summary of waste strategies, performance measures, and progress toward goals

Metro Vancouver Solid Waste System Factsheets
Includes: Detailed information by for each Metro Vancouver solid waste facility

Waste Composition Studies
Includes: Tonnage of materials remaining in the garbage

Performance Monitoring Dashboard
Includes: Overview of recycling rate and tonnes disposed

Education

- Product stewards provide resources on their webpage showing **what happens to recycling**
- Recycling Council of BC operates a **hotline** where residents can ask where to recycle items
- Residents can call **City Farmer** to ask questions about managing organic materials
- Questions can be directed to **Metro Vancouver's infocentre**
- Metro Vancouver publishes a **map of solid waste facilities** around the region

What actions can build on our success to help us expand inclusive programs and services?



Inclusive Programs and Services

How are we doing?

Accessibility

- Information on Metro Vancouver's website is available in over 130 languages
- A 2022 system review concluded that 98% of the regional population has maximum 30 minute drive times to access regional recycling and waste centres
- 12 municipalities provide bulky item collection

Engagement

- Metro Vancouver Initiated a successful collaborative engagement process to work with non-profit organizations and connect with underrepresented and equity-denied groups who otherwise may not be aware of or have access to opportunities to provide input to Metro Vancouver

Resources and Infrastructure

Providing information

- Online search tools provided by the Recycling Council of BC help provide recycling information
- **Metrovancouver.org** can be translated into over 130 languages

Improving access to recycling services

- Since 2011, the region's **solid waste system** has expanded to include many new regional and municipal facilities
- Free recycling drop-off service at Metro Vancouver recycling and waste centres

Programs and Campaigns

"Food Scraps Aren't Garbage" Campaign

- Addresses specific barriers for multi-family residents.

Binners' Project Coffee Cup Revolution

- Highlights the importance of the binners community in the solid waste system

Solid waste management plan update collaborative engagement initiative

- Provides funding for not-for-profit organizations, including those representing underrepresented or equity-denied communities

Strategic Plans

Metro Vancouver's accessibility plan

- Intends to break down barriers and become a more accessible and inclusive region

Metro 2050 Regional Growth Strategy

- Intends to support the creation of complete, connected, and resilient communities

What actions can build on our success to plan for future infrastructure and systems for waste management across the region?

Infrastructure and Systems

How are we doing?

Regional Solid Waste Facilities

- Recycling and waste centres
- Waste-to-energy facility
- Landfill
- Municipal recycling depots funded in part by Metro Vancouver

Private Facilities

- Recycling brokers
- Organics management facilities
- Construction & demolition facilities
- Private landfill

Resources and Infrastructure

Recycling and Waste Centres

- A series of recycling and waste centres where residents and businesses drop off garbage, yard trimmings and other recyclables, and materials for reuse

Member Jurisdiction Facilities

- **The Vancouver Landfill and Vancouver South Transfer Station/ Zero Waste Centre** also offer recycling and waste disposal services
- Five municipalities operate their own recycling depots funded in part by Metro Vancouver

Private Facilities

- Metro Vancouver licenses private facilities which manage various materials
- Other private businesses that manage materials such as concrete textiles, and scrap metal
- Non-profit organizations and industry organizations manage reuse networks and facilities.

Disposal

- Garbage is disposed at the Vancouver Landfill, the Waste-to-Energy facility, or private landfills for excess garbage

Programs and Campaigns

Reuse

- Household items for reuse are generally managed by non-profits, thrift stores and donation bins for textiles and books

Collection

- Single-family homes: Municipalities provide curbside collection of garbage, recycling, and organics
- Apartments and Businesses: Provided by the private sector or municipality

Recycling

- Private or non-profit organizations sort and process materials for reuse, recycling, composting and energy recovery

Construction and Demolition Material

- Construction and demolition materials are managed at **licensed private facilities**

Strategic Plans

Improving the system

- Over time, system upgrades are required to increase waste reduction and recycling and ensure system adaptability and resiliency to changing population and distribution over time

Generator Levy

- Every person who generates municipal solid waste helps fund the regional solid waste system.

Waste-to-Energy Facility District Energy System

- Will provide heat and hot water for up to 50,000 homes, reduce greenhouse gas emissions by up to 70,000 tonnes per year, and triple the energy efficiency of the Waste-to-Energy Facility

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Welcome



Ironworkers Memorial Bridge

AGENDA

- Welcome and Introductions
- Metro Vancouver's Role in Solid Waste
- Project Overview and Vision and Guiding Principles
- Idea Generation Objectives
- Focus Area for Discussion
- Questions and Feedback
- Next Steps and Closing Remarks



United Boulevard Recycling and Waste Centre

Metro Vancouver's Role in Solid Waste

OVERVIEW

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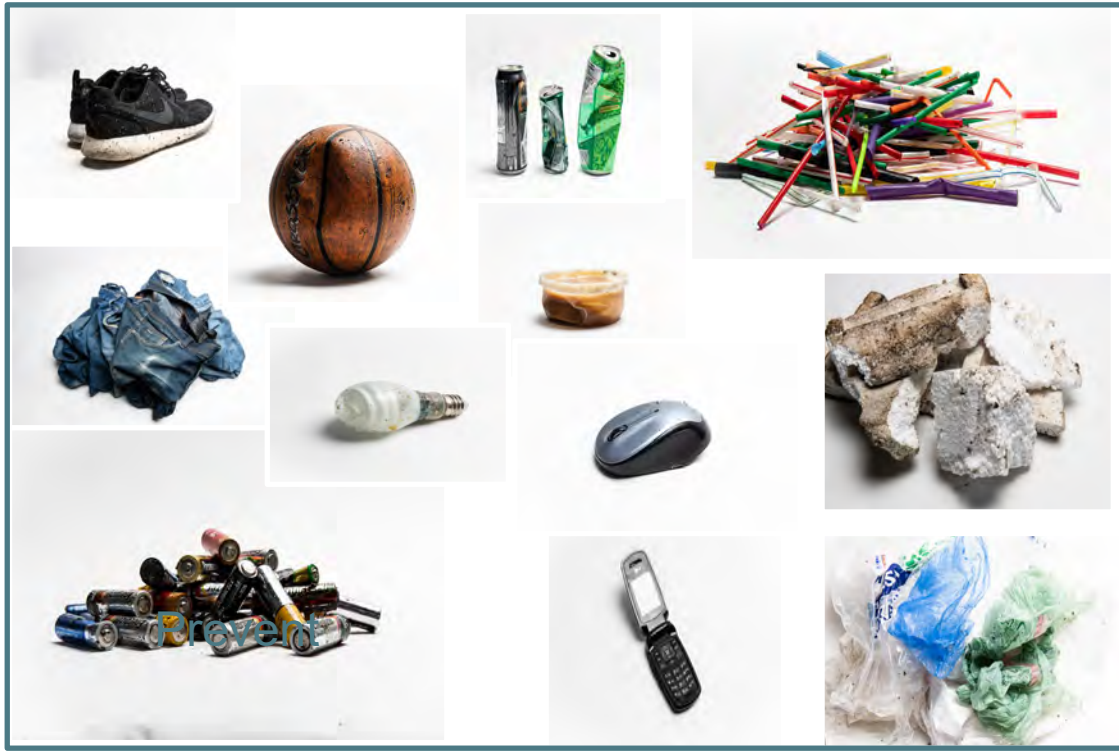
Public Consultation and Engagement Summary Report | 2849

WHAT IS SOLID WASTE?



Reuse Repurpose

Refuse Prevent

Repair Share

Reduce Dispose

Recycle Recover

MANAGEMENT PLANS



Solid Waste Facility Locations

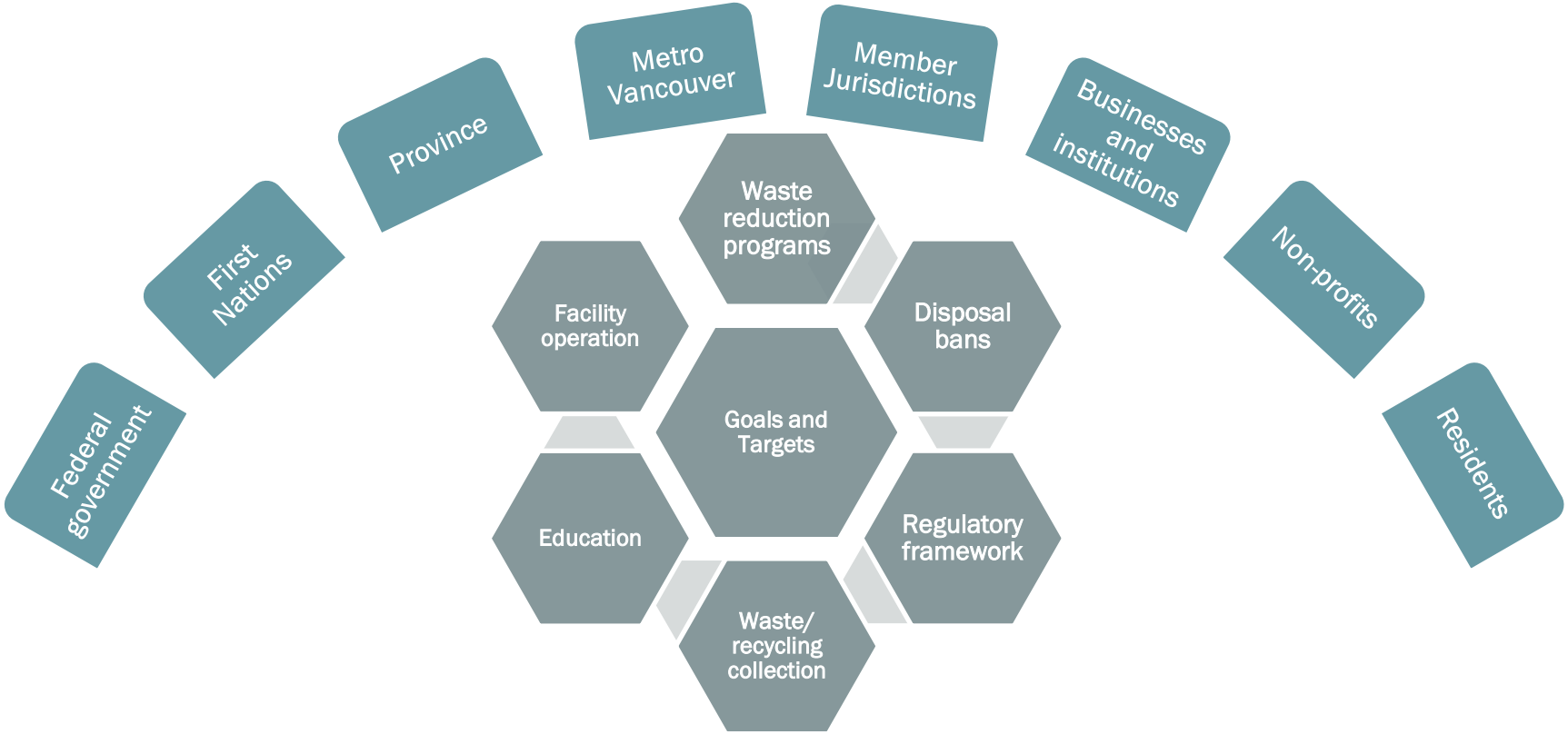
Responsible for operating recycling and waste facilities and the Waste-to-Energy Facility

65% recycling rate

Advance waste prevention and the circular economy

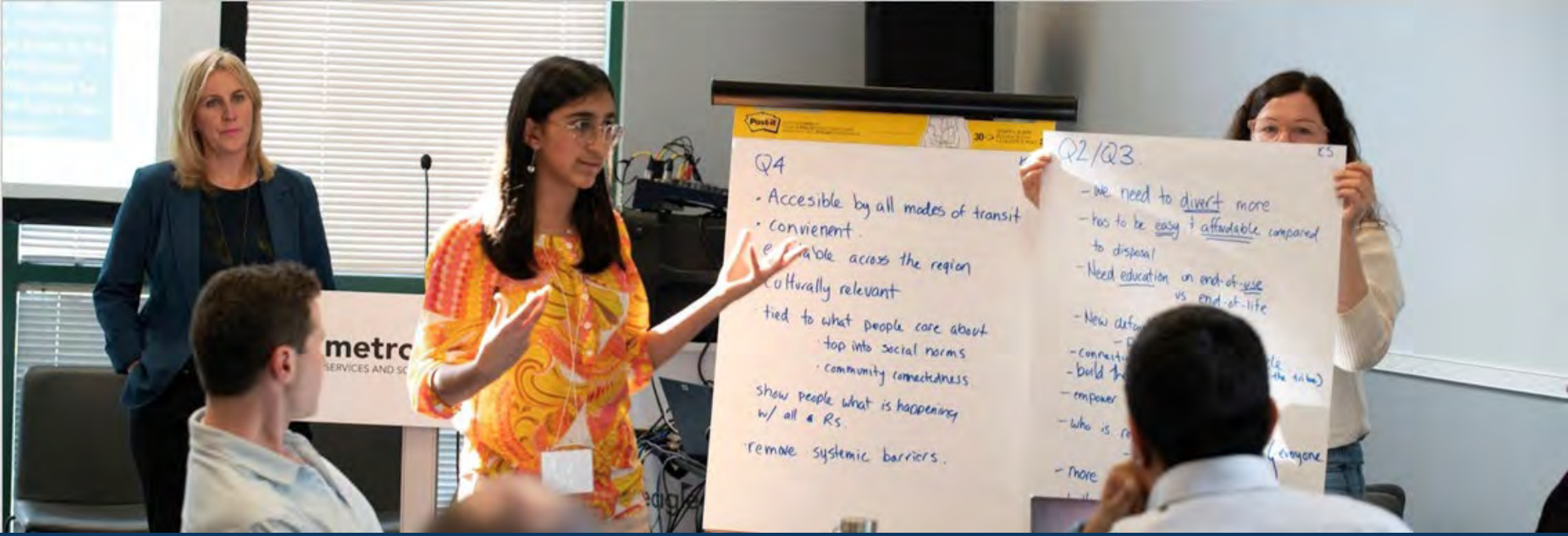


INTEGRATED SOLID WASTE SYSTEM



WARM UP

- ✓ What are the main actions you take to eliminate waste?
- ✓ Is there anything that you don't do but would like to do or have thought about doing to reduce waste?



Workshop on Vision and Guiding Principles

Solid Waste Management Plan Update

PROJECT OVERVIEW AND VISION AND GUIDING PRINCIPLES

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Orbit Link: Add when archiving presentation to Orbit

Public Consultation and Engagement Summary Report | 2855

ABOUT THE SOLID WASTE MANAGEMENT PLAN

The solid waste management plan will guide the solid waste strategies and actions, targets, and priorities for the future.

The new plan will identify how the region can continue to:

- Reduce waste
- Increase reuse and recycling
- Reduce greenhouse gas emissions
- Work towards a circular economy

PLAN TIMELINE



SOLID WASTE MANAGEMENT PLAN VISION

Vision

"A thriving region where nothing is wasted and resources are valued."

GUIDING PRINCIPLES

- Accountability from residents, businesses, and governments to prevent waste.
- A solid waste system that is resilient to climate change and future challenges.
- A solid waste and recycling system that is affordable, convenient, and consistent across the region.
- Environmental stewardship and climate action.
- Inclusive solid waste services and programs.
- Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
- Transparency about what happens to waste and recycling.

IDEA GENERATION

- Develop a set of potential actions and strategies to include in an updated plan
- Updated goals
- Next phase: options analysis

FROM IDEAS TO PLAN



Idea Generation

- Focus areas created based on feedback from vision and guiding principles phase
- Will result in a collection of actions

Options Analysis (Subsequent Phase)

- Evaluation criteria will be developed and used to determine actions to include in the updated plan



Focus Area for Discussion



National Zero Waste Conference

Today's Topic

As Metro Vancouver updates the plan, **what ideas and actions can build on our success to**:

Rethink and prevent waste in the first place

Today's Topic

As Metro Vancouver updates the plan, **what ideas and actions can build on our success to**:

Enhance accountability for eliminating waste

Today's Topic

As Metro Vancouver updates the plan, **what ideas and actions can build on our success to**:

Leverage knowledge and expertise through collaboration

Today's Topic

As Metro Vancouver updates the plan, **what ideas and actions can build on our success to**:

Increase participation and reduce contamination in green bin and recycling programs

Today's Topic

As Metro Vancouver updates the plan, **what ideas and actions can build on our success to**:

Promote confidence in recycling systems

Today's Topic

As Metro Vancouver updates the plan, **what ideas and actions can build on our success to**:

Expand inclusive programs and services

Today's Topic

As Metro Vancouver updates the plan, **what ideas and actions can build on our success to**:

Plan for future infrastructure and systems for waste management across the region

ISSUES/OPPORTUNITIES DISCUSSION QUESTIONS

Since the Integrated Solid Waste and Resource Management Plan was approved in 2011, Metro Vancouver's waste generation rate has decreased 11%, while our recycling rate has increased from 57 to 65% – nearly twice the Canadian average recycling rate. **What actions can build on our success to:**

- Rethink and prevent waste in the first place?
- Enhance accountability for eliminating waste?
- Leverage knowledge and expertise through collaboration?
- Increase participation and reduce contamination in organics and recycling programs?
- Promote confidence in recycling systems?
- Expand inclusive programs and services?
- Plan for future infrastructure and systems for waste management across the region?

Identifying Barriers and Key Challenges

- ✓ What do you see as the primary challenges or barriers we face in addressing [insert key area]?
- ✓ What could Metro Vancouver do to address these challenges?

Collaboration Opportunities

- ✓ What roles do businesses, the waste management industry, not-for-profits, community organizations, and others play?
- ✓ In what ways could Metro Vancouver collaborate with others more effectively to advance [insert key area]?

Wins

- ✓ Let's flip the script: Thinking of the current system, what is working well and should not be changed when thinking of [insert key area]?
- ✓ What is going well and could be expanded on?

Knowledge Gaps and Communications

- ✓ What types of information would be most helpful for you in furthering your understanding of [insert key area]? Meaning – do you have any questions about this topic that Metro Vancouver may be able to answer for you?

Knowledge Gaps and Communications

- ✓ What are some ways to engage with Metro Vancouver residents on [insert key area]?
- ✓ How would you or your community like to receive communications about solid waste?
  - ✓ Emails
  - ✓ Social media
  - ✓ Bus ads
  - ✓ Website
  - ✓ In-person
  - ✓ Other

Closing Discussion

- ✓ Is there anything else you'd like to add to the conversation on this topic?



Metro Vancouver Skyline

Thank You

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Welcome



Burrard Inlet Port Lands

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Agenda



View of Metro Vancouver

AGENDA

1. Agenda – October 7, 2025
2. Brief overview by Metro Vancouver
3. Small Groups
4. Plenary Discussion
5. Takeaways
6. Next steps and Additional Opportunities for Input



Solid Waste Management Plan Update

OPTIONS ANALYSIS

Terry Fulton
Senior Project Engineer

Stephanie Liu
Program Manager, Solid Waste Community Engagement

Member Jurisdiction Staff Workshop, October 6, 2025

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PLAN TIMELINE



MEMBER ENGAGEMENT AND REPORTING MILESTONES

2025 Options Analysis Phase

Date	Engagement / Report
Ongoing	• Regular updates to REAC-Solid Waste and Regional Waste Reduction Coordinators Committee at standing meetings
June 2025	• MV Conference Day – Session on Member Actions (June 20) • REAC Solid Waste Sub-Committee Workshop on Member Actions (June 26)
July 2025	• Report to GVS&DD Board summarizing idea generation engagement and seeking approval of hierarchy and goals • Also sent to Air Quality and Climate Committee on September 12 as an info item
September 2025	• Letters to member jurisdictions (mayor/council) inviting feedback on the Options Analysis phase
Sept/Oct 2025 Committees	• Regional Communications Advisory Group update (Sept 3) • Agricultural Advisory Committee update (Sept 18) • REAC and RAAC verbal updates (Sept 12 and Oct 2) • **Workshop with member staff advisory committees (Oct 6)** • Indigenous Relations Committee update (Oct 16) • Invest Vancouver Advisory Committee update (Oct 22)
2026	• Reporting on options analysis • Draft solid waste management plan – for review/engagement

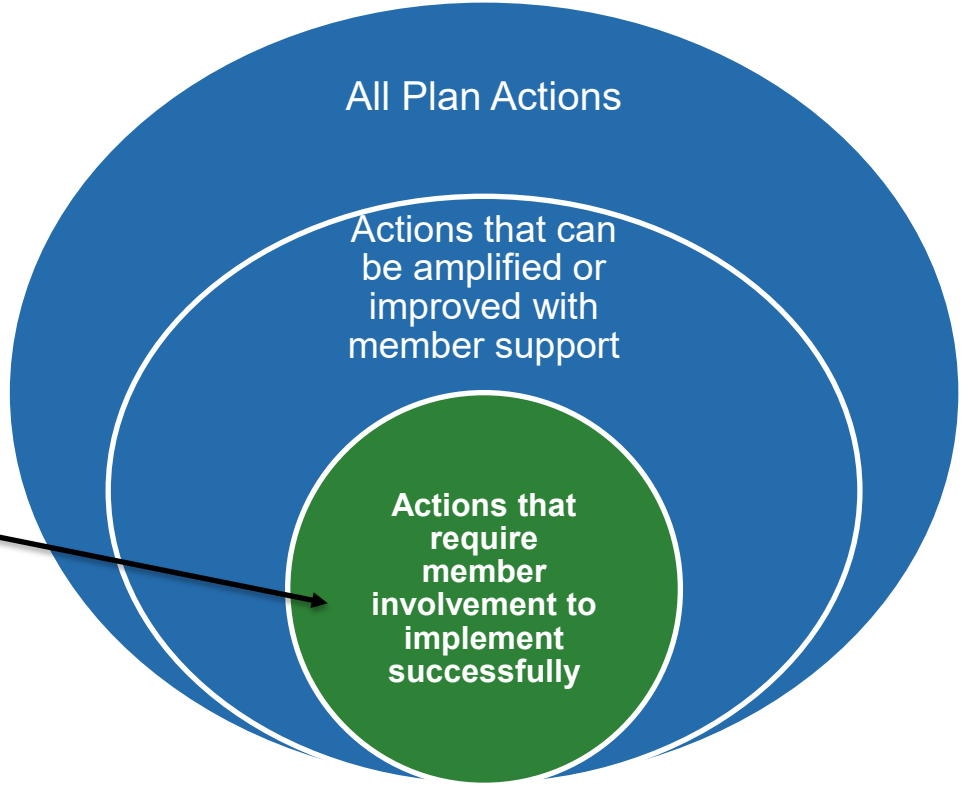
OPTIONS ANALYSIS

- Determine which strategies and actions to include in the draft plan
- Engaging with First Nations, public, advisory committees, neighbouring regional districts, member jurisdictions, business and industry associations and groups, and non-profits
- Last step before a new plan is drafted in 2026



SOLID WASTE MANAGEMENT PLAN ACTIONS

Member Priority Actions



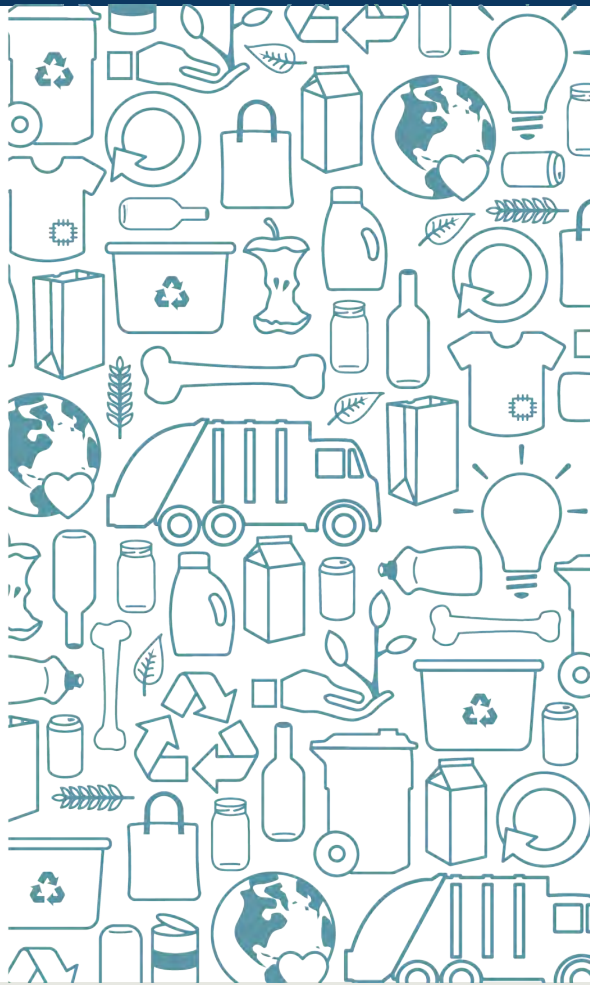
MEMBER PRIORITY ACTIONS

Previous Feedback from Member Jurisdiction Staff

- Should be phrased as an option for members rather than a requirement
- Approach where Metro Vancouver develops guidance and municipalities incorporate where feasible/practical is preferred
- Zoning, use of public spaces, and business licensing requirements are challenging

POTENTIAL STRATEGIES AND ACTIONS FOR AN UPDATED PLAN

- Provided on September 18
- Available publicly on Metro Vancouver website (public version does not include member actions)
- Approximately 200 potential actions organized into 23 strategies



TODAY'S SESSION

Objectives:

- Small group discussion on strategies and actions within the first 4 R's, with the goal of identifying which actions are most important to include
- Plenary discussion on actions under Recover and ideas considered unadvisable by staff

Outcome of the options analysis phase: Help determine what strategies and actions to include in the solid waste management plan

ADDITIONAL OPPORTUNITIES FOR FEEDBACK

- Full list of potential strategies and actions are published on the website
- Feedback form available for providing comments on any of the potential actions



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Small group exercise



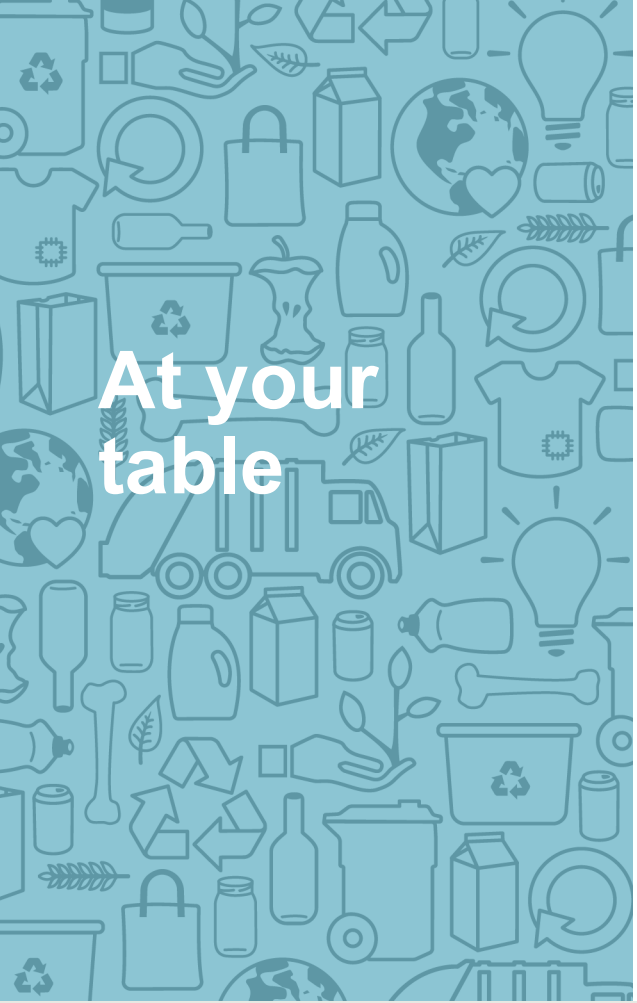
Public/Technical Advisory Committee

Choose your table for Round 1

(aiming for 2-3 rounds)

Tables:

- ***Rethink***
- ***Reduce***
- ***Reuse*** *(Reuse, Refill, Repair)*
- ***Reuse*** *(Food and Built Environment)*
- ***Recycle*** *(Infrastructure and Programs)*
- ***Recycle*** *(Education)*



At your table

As a group, choose one strategy to discuss



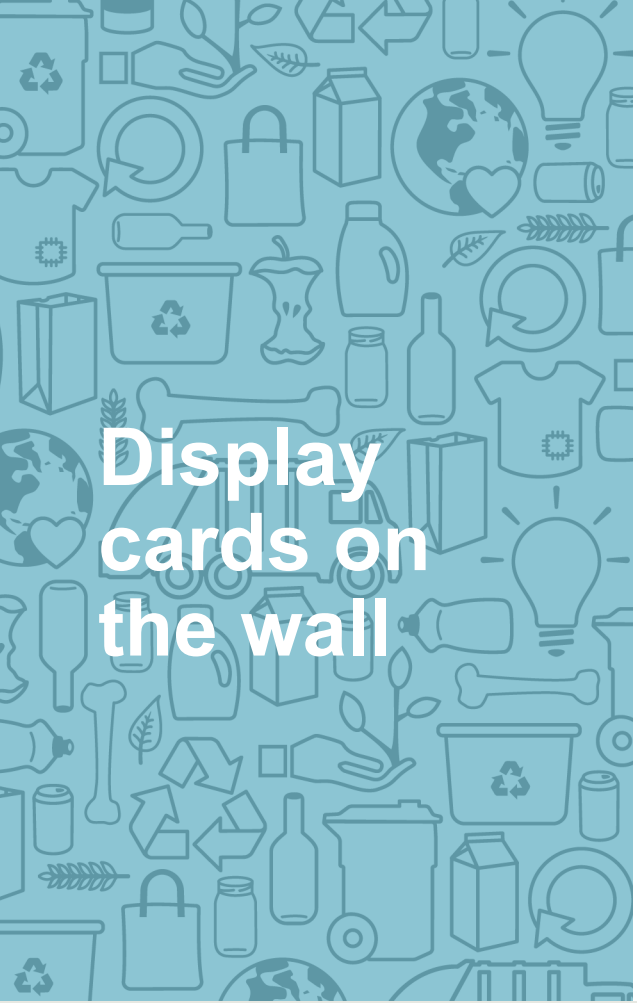
Facilitator will show and read out each action

Use your hand to note the level of priority for including each action in the plan:

How important is it that this action is included in the plan?

5 – extremely important *0 – least important*

Facilitator writes total number for each action on a sticky note on the card



Display cards on the wall

Arrange cards on the wall in order from highest to lowest number

To add a new action, use the large sticky notes on your table

DISCUSSION

Designate a note taker and use the markers / flip charts to take notes

- How will these actions impact your municipality? Residents?
- How easy or difficult would it be for you or others to participate in these actions? *If difficult, what makes participation difficult?*
- What should Metro Vancouver consider to support implementation of these actions or increase participation/involvement?

DISCUSSION

For the **2 actions** with the lowest number, discuss:

- Why were these actions ranked as lower priority for inclusion in the updated plan?

DISCUSSION

Member actions

For any member jurisdiction actions, discuss:

- Do you support the inclusion of this member action?
- Are there any changes required before you can support this action?



Round 2

Switch tables and repeat the exercise



Round 3

Switch tables and repeat the exercise

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Plenary discussion



Public/Technical Advisory Committee

DISCUSSION – PLENARY

Do you have any comments about these?

- Strategies and actions under ‘Recover’
- Draft summary of ideas staff consider unadvisable
- Member jurisdiction actions

5.0 RECOVER

5.1 Recover materials and energy from non-recyclable materials

- ID169 Collect dimensional lumber not suitable for reuse or recycling to process into fuel to replace fossil fuels in applications such as district energy and other decentralized heating and agricultural/industrial systems.
- ID172 Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biocoal
- ID168 Share information with respect to construction and demolition waste characteristics and quantities to support investigations into the potential to recover materials from non-recyclable construction and demolition waste

5.0 RECOVER

5.1 Recover materials and energy from non-recyclable materials

- ID171 Continue to pursue processing of small load waste to recover non-recyclable wood and other materials.
- ID170 Encourage diversion of non-recyclable construction and demolition waste to recover recyclables and alternative fuels in facilities with advanced environmental protection systems such as cement plants
- ID179 Continue to pursue the beneficial use of bottom ash from the Waste-to-Energy Facility in cement plants

DRAFT SUMMARY OF IDEAS STAFF CONSIDER UNADVISABLE

- Stop using landfills
- Close the Waste-to-Energy Facility
- Increase Waste-to-Energy Capacity
- Privatize regional solid waste system
- Replace source separation programs with single stream recycling collection and mixed-waste sorting programs
- Don’t send materials to cement kilns and other industries for recovery

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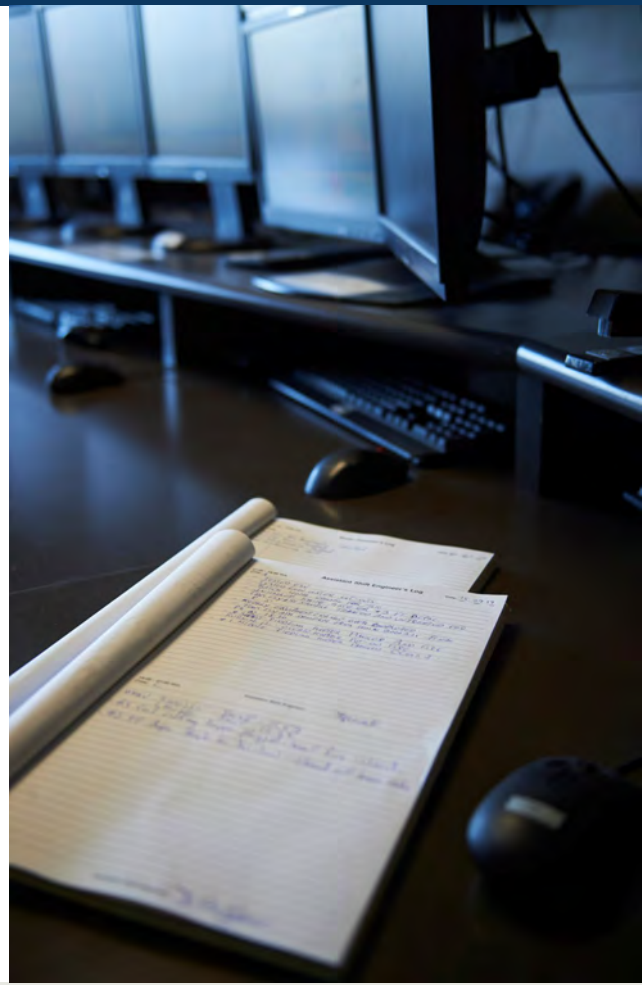
Takeaways (plenary)



Public/Technical Advisory Committee

NEXT STEPS

- Engagement open to October 31
- Potential strategies and actions published on the Metro Vancouver website
    - Feedback form available
- Continued engagement with First Nations and the public
- Draft plan – 2026





Metro Vancouver Skyline

Thank You

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Initial Draft Solid Waste Management Plan

FEEDBACK AND DISCUSSIONS

Terry Fulton, P.Eng.

Senior Project Engineer, Solid Waste Services

Solid Waste Management Plan Public/Technical Advisory Committee, February 19, 2026

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INITIAL DRAFT SOLID WASTE MANAGEMENT PLAN



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Small groups



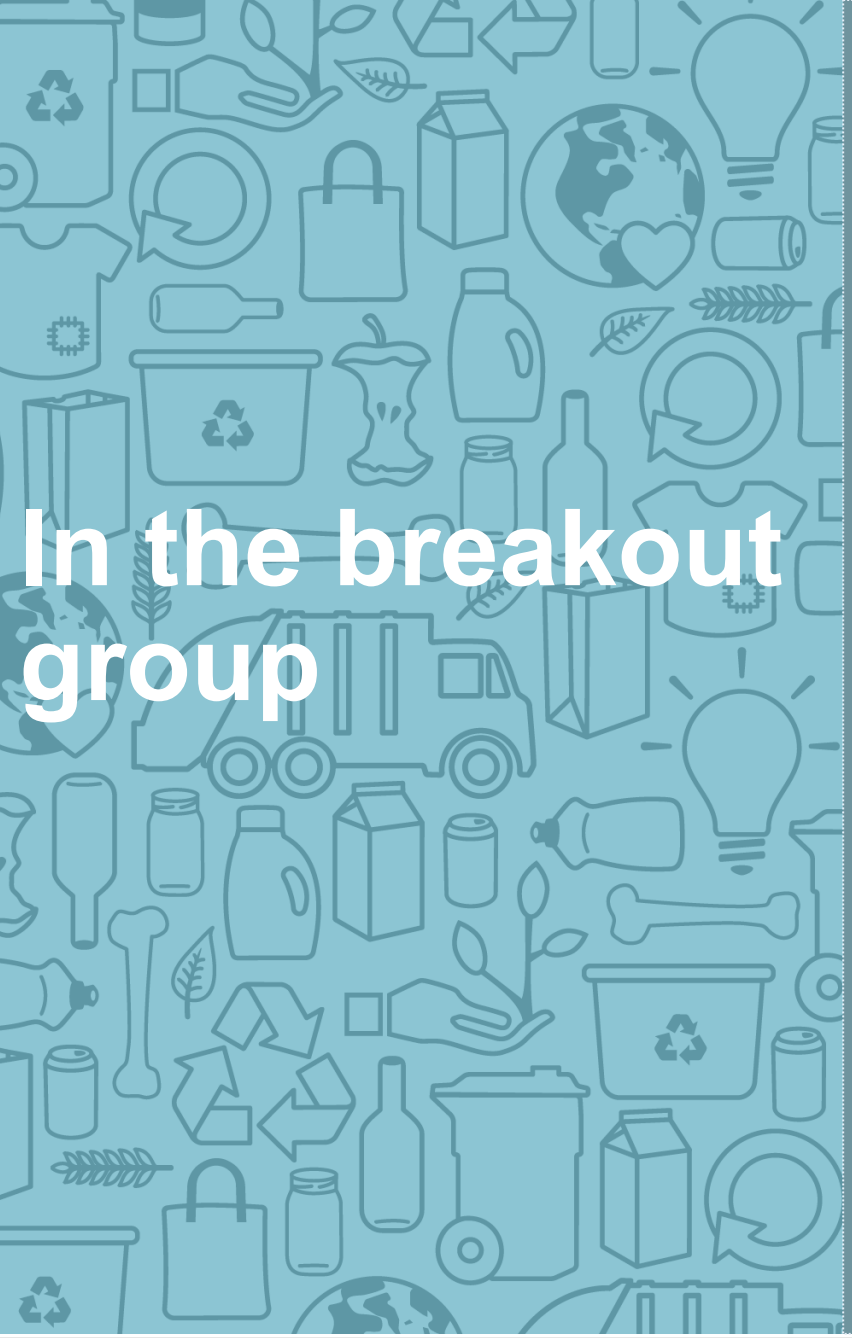
Public/Technical Advisory Committee



Select your discussion table

Topics:

- Targets and Metrics
- Residual Management Strategy
- Regulatory Strategy
- Overflow (Financial overview, definitions, plan monitoring, recycling and waste centre strategy, disposal actions)



In the breakout group

Round-robin

(one sentence each):

What is the most important issue in this topic area?



Facilitated discussion

Considering the topic:

- What is working well in the draft plan?
- What is missing?
- What needs to be strengthened?

Wrap-up breakout groups discussion

Identify 2 - 3 insights to bring back to plenary

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Wrap-up

Public/Technical Advisory Committee



TAKEAWAYS

- Share takeaways from small groups (optional)

FEEDBACK OPTIONS

- Today's feedback session
- Written feedback to zerowaste@metrovancouver.org
- Online discussion board
- Additional meeting by request

NEXT STEPS

- Provide feedback on initial draft by Feb 20
- Revised draft to be presented to Zero Waste Committee and GVS&DD Board
- Comment period following GVS&DD Board, prior to submission of the revised draft plan to Province



PTAC Group Discussion

Thank You

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Appendix L

Questionnaire Results

List of Contents
Vision and Guiding Principles
Idea Generation
Options Analysis

Solid Waste Management Plan Update Vision and Guiding Principles – Questionnaire Findings Summary

November 16, 2023

Methodology

An online questionnaire was conducted from September 18 – November 10, 2023, with 484 residents of the Metro Vancouver area.

Values and Priorities

Ten themes had been identified as potentially informing the vision and guiding principles for the updated solid waste management plan. Respondents were asked to think about how they purchase, use, reuse, recycle and throw things away, and to rate each of the themes on a scale from very important to not important.

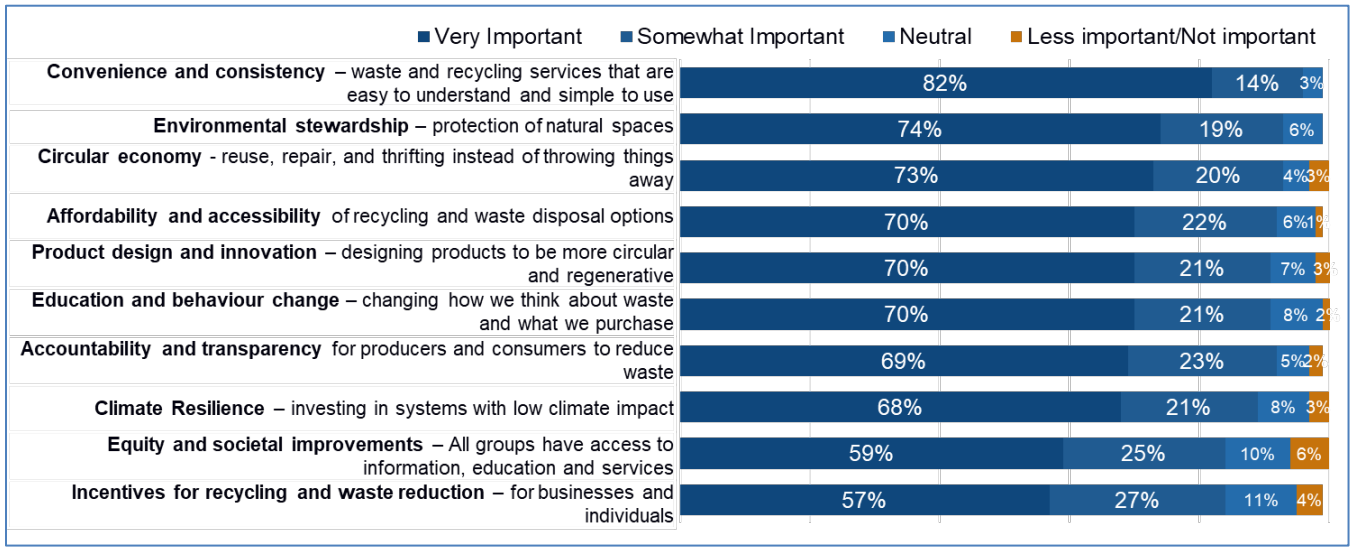
While all ten themes were seen as very important by a majority of respondents, the level of overall importance varied somewhat.

Convenience and consistency was the theme most often seen as very important (82%), followed by three quarters who said that **environmental stewardship** (74%) and **circular economy** (73%) were very important to them.

Seven in ten also said that **affordability and accessibility** (70%), **product design and innovation** (70%), **education and behaviour change** (70%), **accountability and transparency** (69%) and **climate resilience** (68%) were very important.

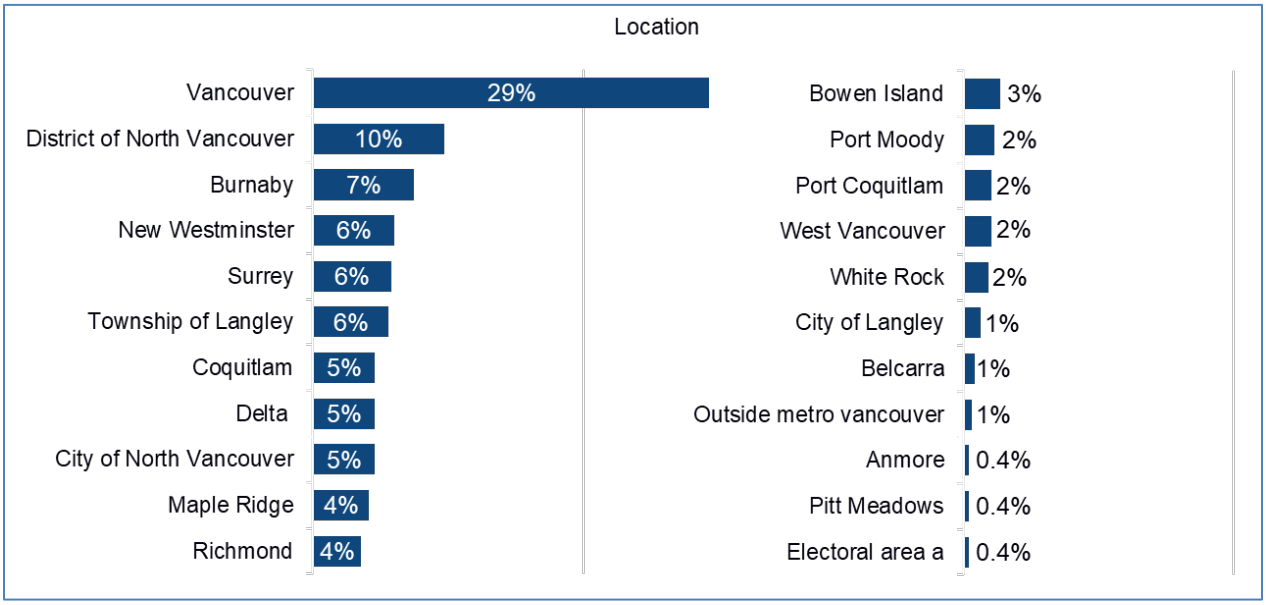
The bottom two themes were **equity and societal improvements** (59%) and **incentives** (57%).

Question: A number of themes have been identified as potentially informing the vision and guiding principles for the updated solid waste management plan. Thinking of how we purchase, use, reuse, recycle, and throw things away in Metro Vancouver, please rank the following values and priorities.

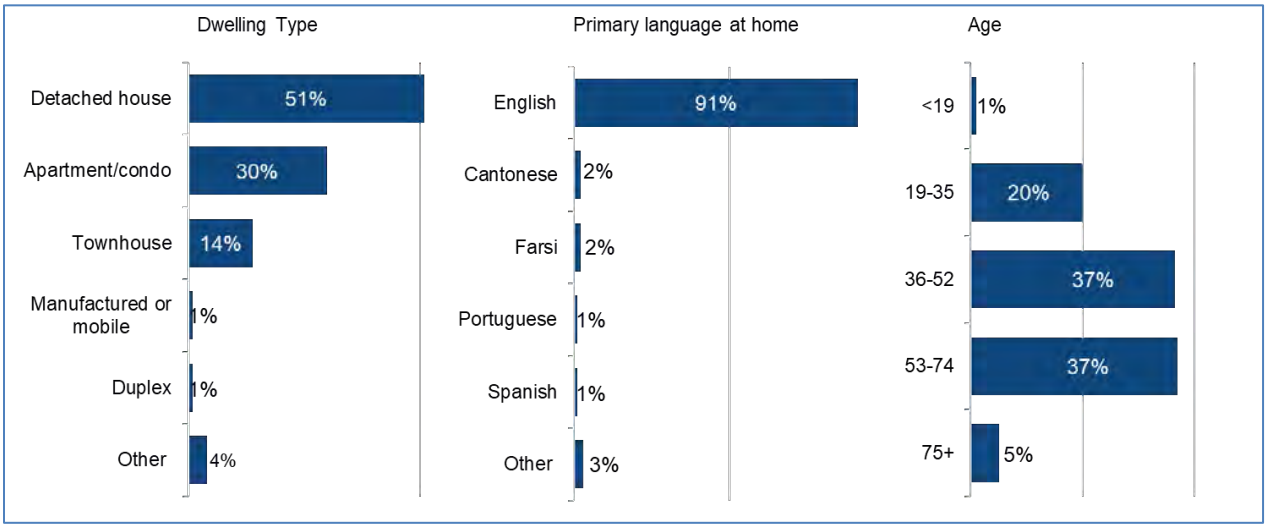


Who Responded

Respondents came from across the Metro Vancouver region, with the largest group from Vancouver.



Half of respondents lived in a detached house (51%), three in ten in an apartment/condo (31%) and 14% in a townhouse. The majority were Anglophones (91%) with 2% speaking either Cantonese or Farsi at home and 1% either Portuguese or Spanish. Other languages, spoken by fewer than 1%, included Afrikaans, Czech, Finnish, French, German, Hindi, Hungarian, Slovak, Korean, Mandarin, Marathi, Polish, Punjabi, Tagalog, Ukrainian and Urdu. All age categories were represented, with 21% being 35 years of age or younger, 37% between 36 and 52, 37% between 53 and 74 and 5% 75 years of age or older.



Solid Waste Management Plan Update

Idea Generation – Questionnaire Findings Summary

November 25, 2024

Methodology and Objectives

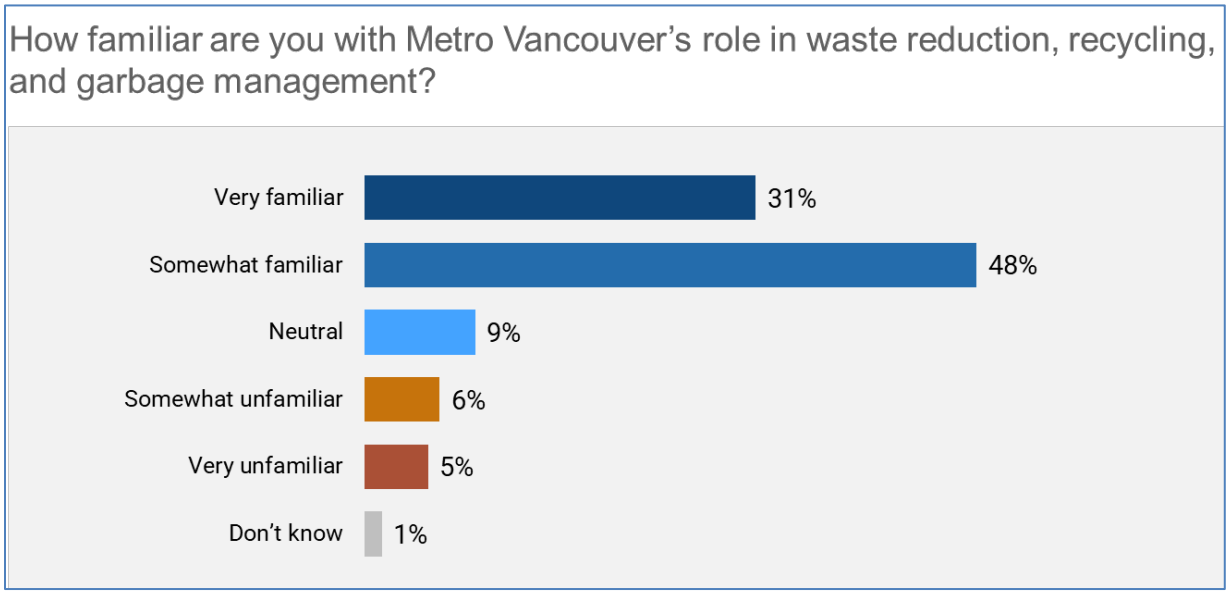
An online questionnaire was conducted as part of the Idea Generation phase of engagement for Metro Vancouver's solid waste management plan update from August 23 – November 8, 2024, with 228 respondents.

The questionnaire aimed to explore public practices, confidence, and priorities in waste reduction and recycling, as well as barriers to participation. This brief report summarizes the findings.

Key Findings

Familiarity with Metro Vancouver's Role

Eight in ten participants (79%) demonstrated familiarity with Metro Vancouver's responsibilities in waste reduction, recycling, and garbage management, including three in ten (31%) who said they were *very* familiar. Only one in ten (11%) said they were somewhat or very unfamiliar, and a similar proportion were neutral (9%)



Current Waste Reduction Practices

When asked about their waste reduction habits, the most frequently reported practices included:

- Bringing reusable shopping bags: consistent behaviour among respondents, with three quarters (74%) saying they always do this, and another 22% saying they often do this.

- Composting organic waste: reported as an action they do *always* by eight in ten respondents (83%) and *often* by another 7%.
- Donating or passing down items: most of the respondents highlighted their efforts to give unwanted items a second life either *always* (57%) or *often* (30%).

Less frequent practices included repairing items, participating in repair cafés, and bringing reusable cups and dishes which indicates potential areas for targeted programs or resources.



Respondents were asked about other actions they take to reduce waste (78 comments). The following key themes emerged from the responses, which include a combination of reinforcement or detailed examples of the actions identified in the previous question, additional waste reduction practices that had not been identified, and some challenges and barriers[1]:

1. *Conscious Consumption*
   - Reducing Purchases: Many respondents focus on reducing waste at its source by purchasing less, resisting impulse buying, and prioritizing needs over wants.
   - Choosing Sustainable Options: Efforts include buying second-hand, using thrift stores, and opting for high-quality, durable items.
   - Refusing Unnecessary Items: Practices like avoiding swag from events, refusing single-use utensils or napkins, and limiting takeout orders were highlighted.
   - Avoiding Excessive Packaging: Participants actively seek out products with minimal or paper-based packaging and buy in bulk to reduce waste.
   - Thoughtful Gifting: Giving experiences or consumables instead of material gifts is a popular way to reduce packaging waste, as is prioritizing recyclable or minimal packaging options when choosing gifts. Advocating for Systemic Solutions: Calls for businesses to adopt environmentally friendly packaging alternatives, including packaging alternatives that can be composted.

[1] Themes for this open-ended question, and all open-ended questions throughout this summary, are displayed in order of frequency, starting with the most prominent themes based on qualitative analysis.

2. *Reuse and Repurposing*
   - Creative Reuse: Participants repurpose pasta jars, reuse produce bags and create cleaning rags from old clothes or baby wipes.
   - Refillable Containers: Refill stores for soaps, detergents, other personal hygiene items (such as refillable dental floss containers) and bulk food items were frequently mentioned as preferred shopping destinations.
   - Clothing Swaps and Hand-Me-Downs: Exchanging clothes with friends, donating, or borrowing items are common practices to extend item lifespans.

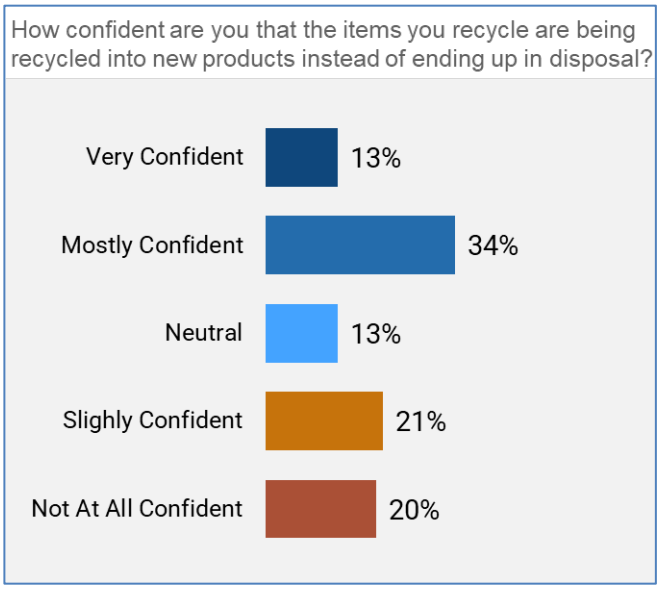
3. *Recycling and Proper Disposal*
   - Dedicated Efforts: Respondents take recyclable items to transfer stations or depots, including batteries, electronics, toner cartridges, and soft plastics.
   - Separating items into various parts to recycle or dispose of them all properly: An example includes breaking down umbrellas to recycle all parts.
   - Advocating for Systemic Solutions: Some respondents suggested improved accessibility to depots and clearer guidelines on recycling procedures.

4. *Food Waste Reduction*
   - Mindful Practices: Freezing food before it spoils, meal planning, and creatively using trimmings for soups or stocks are common actions.
   - Composting: Many participants compost at home or use municipal composting programs, though challenges exist for those in multifamily residences.

5. *Education and Community Engagement*
   - Raising Awareness: Respondents educate children and community members on waste management through hands-on activities and programs.
   - Advocating for Systemic Solutions: Suggestions include incorporating recycling education into schools.

6. *Repair and Maintenance*
   - Extending Product Lifespan: Practices such as repairing appliances and regular maintenance to prolong the life of devices were noted.
   - Lack of Access: Respondents highlighted a need for more repair centers, particularly for electronics and appliances.

Confidence in the Waste System



Confidence in the recycling system was mixed, with less than half of the respondents to this question (47%) indicating that they are either very or mostly confident and 41% indicating they are only slightly or not at all confident that the items they recycle are being recycled into new products instead of ending up in disposal.

When asked what could be done to increase confidence in the current recycling systems, the following recurring themes and actionable suggestions for enhancing public trust in the recycling systems emerged from 153 comments.

1. *Transparency in Recycling Process:* Many respondents emphasized the need for clear, detailed information about what happens to recyclables after collection, including videos, reports, and publicized success stories. They also expressed doubts about whether items are truly recycled.
2. *Education and Awareness:* Requests for public education campaigns, workshops, or school programs to teach proper recycling practices, the benefits of recycling, and the lifecycle of recyclables. Some suggested multilingual education materials to reach diverse populations.
3. *Statistics and Reporting:* Publishing regular statistics on recycling rates, contamination rates, and outcomes (e.g., what recyclables are turned into). Respondents also asked for comparisons with other regions and proof of recycling effectiveness.
4. *Better Product and Packaging Design:* Calls to reduce non-recyclable packaging, mandate sustainable materials, and simplify packaging designs to make recycling easier.
5. *Tours and Hands-On Learning:* Requests for public tours of recycling facilities to show how materials are processed and repurposed to help promote confidence in the system.
6. *Enhanced Communication Channels:* Respondents wanted more communication through newsletters, YouTube videos, or apps, detailing recycling practices and successes.
7. *Reducing Contamination:* Requests for clearer instructions on cleaning and sorting recyclables to reduce contamination rates and ensure materials are properly processed.

Some respondents added comments related to challenges and solutions, including:

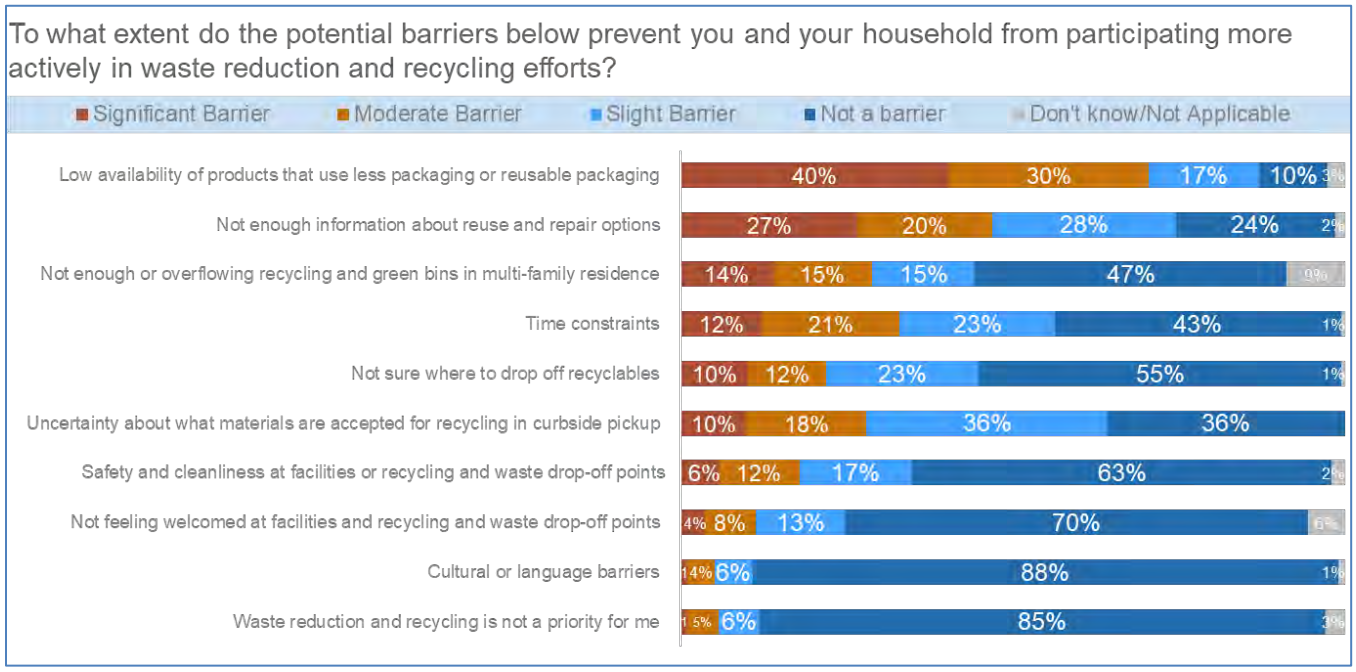
1. *Access and Convenience:* Expanding curbside recycling programs, increasing public recycling bins, and ensuring drop-off locations are accessible for all recyclable items. Many expressed frustrations with limited recycling options or inconsistent service.
2. *Accountability and Enforcement:* Suggestions included imposing fines for improper sorting or contamination, holding municipalities and businesses accountable for their recycling practices, and ensuring items don't end up in landfills or overseas waste dumps.

3. *Legislation and Systemic Changes:* Suggestions for laws to eliminate non-recyclable plastics, enforce producer responsibility, and promote the use of recycled materials in new products.
4. *Incentives for Participation:* Proposals included increasing deposits on bottles and cans or creating incentives for proper recycling and reduced disposal.
5. *Advocacy for Reuse and Reduction:* Encouraging reuse of items and reducing waste before recycling is necessary. Some highlighted the importance of promoting circular economy practices.

Barriers

The questionnaire also explored the extent to which various factors prevent individuals and households from actively participating in waste reduction and recycling efforts. Respondents evaluated barriers such as accessibility, education, convenience, and systemic challenges, offering valuable insights into obstacles that hinder broader participation.

Seven in ten (70%) identified low availability of products that use less packaging or reusable packaging as a moderate to significant barrier. Additionally, lack of information about reuse and repair options (47%), time constraints (33%), lack of recycling and green bins in multi-family residences (29%), uncertainty about what materials are accepted for recycling in curbside pickup (28%) and uncertainty about where to drop off recyclables (22%) were indicated as barriers, suggesting that there is an information gap. On the other hand, fewer respondents reported cultural or language barriers (5%)[2], lack of prioritization of reduction and recycling (6%), and issues at facilities (not feeling welcomed – 11%; safety and cleanliness – 18%) as barriers.



Respondents were asked to think about other barriers not listed above that prevent them and their households from participating in waste reduction and recycling efforts.

[2] The questionnaire was only offered in English.

The following themes emerged in response to this question:

1. *Lack of Convenience:* Difficulty accessing recycling depots without a car, limited drop-off locations for items like soft plastics and Styrofoam, and the need for more recycling and composting bins in public areas. Many respondents highlighted the inconvenience of traveling long distances or navigating crowded facilities. As well, challenges with curbside collection, such as bins being left in inconvenient locations or recycling pickup being unreliable were noted in this context.

2. *Issues with Multi-Family Residences:* Storage issues were cited as a major barrier in multi-family residences in particular. Limited space in these residences and small homes to store recyclables like milk jugs, soft plastics, and deposit-return items was mentioned. Overflowing bins in multi-family buildings were also noted. Challenges in enforcing proper waste sorting in multi-family residences, contamination in recycling and compost bins, and lack of enforcement or penalties for violators were also mentioned. Some residents felt their efforts were undermined by others in their building.

3. *Lack of Education and Awareness:* Confusion about what materials can be recycled, how to properly sort waste, and where to dispose of hard-to-recycle items like hazardous waste or Styrofoam. Some noted the need for better signage and multilingual educational materials.

4. *Inconsistencies in Rules and Instructions:* Inconsistent rules for recycling across municipalities, frequent changes to what can and cannot be recycled, and lack of clear communication about system updates.

5. *Cost Barriers:* High cost of greener alternatives, reusable products, and bulk-buying options.

6. *Lack of Trust in Recycling System:* Concerns about whether materials are truly recycled, suspicion that items end up in landfills or are incinerated, and doubts about the effectiveness of collection and recycling processing systems.

7. *Inconvenience of Sorting and Cleaning:* Time-consuming processes for cleaning containers, sorting different types of plastics, and managing multiple waste streams at home. This was especially seen as challenging for families and older residents.

8. *Cultural Barriers:* Differing cultural norms among newcomers and various age groups, and feelings of judgment or shaming for not adhering to strict waste reduction standards.

9. *Repair and Reuse Challenges:* Limited access to repair facilities for appliances and electronics, lack of repair cafes, and high costs of repairing items compared to buying new.

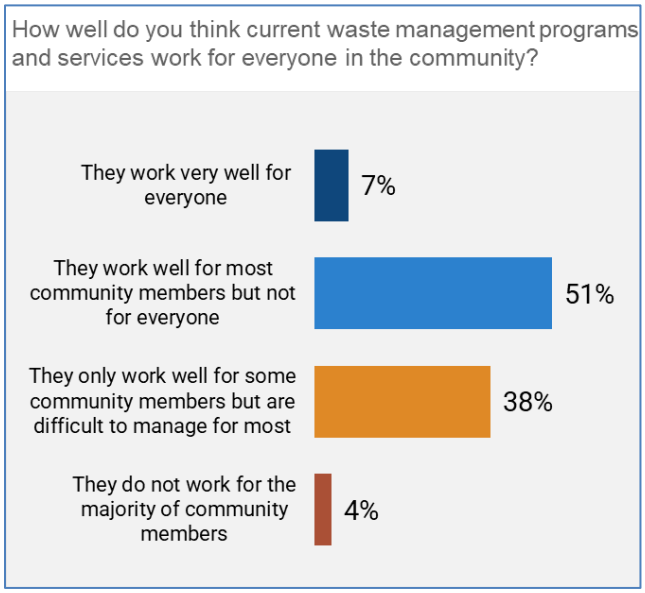
10. *Challenges at Solid Waste Facilities and Depots:* Complaints about dirty or unsafe recycling depots, lack of help with unloading heavy items, and limited hours of operation.

11. *Packaging Waste:* Over-packaging of consumer goods, difficulty disposing of composite materials, and frustration with non-recyclable packaging.

12. *Animal and Hygiene Concerns:* Composting challenges, such as odour and attracting animals. Some felt these issues discouraged participation.

Accessibility and Inclusion

On the topic of accessibility and inclusion, respondents were asked to assess how well current waste management programs and services meet the needs of the community. Findings indicate that while half of respondents (51%) believe current waste management programs work well for most community members, only 7% think they work well for everyone and 38% believe they only work well for some and are difficult to manage for most community members. A small percentage believe they do not work for most community members (4%).



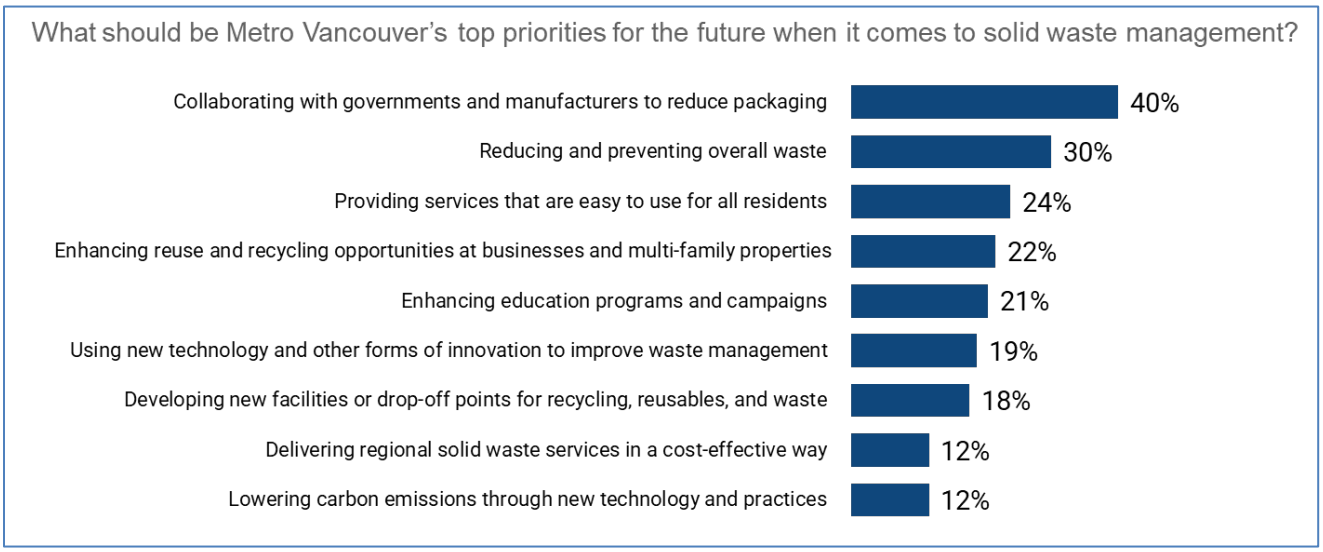
Respondents were also asked to identify community members who may be having a difficult time with the current programs and services and the following list emerged:

1. *Elderly and Mobility-Challenged Residents:* Seniors and people with disabilities often struggle with transporting items to recycling depots, managing heavy bins, or sorting waste properly due to physical limitations or mobility issues.
2. *Residents Without Cars:* Individuals who rely on public transit or do not have access to vehicles face significant barriers in transporting recyclables like soft plastics, Styrofoam, or electronics to depots.
3. *Newcomers and Non-English Speakers:* Language barriers, cultural differences, and lack of familiarity with recycling programs in Canada often prevent participation. Many suggested providing multilingual education and outreach.
4. *Multi-Family Housing and Smaller Home Residents:* Challenges include limited space for sorting, contaminated shared bins, lack of clear instructions, and insufficient enforcement for proper waste management in strata buildings or rental properties. People in small multi-family residences or homes often lack the space to store recyclables, especially bulkier items like cardboard, soft plastics, and deposit containers.
5. *Time Constraints:* Time constraints and overwhelming daily demands make it difficult for busy households to sort waste, visit recycling depots, or participate fully in waste reduction programs.
6. *Affordability:* Limited financial resources make it harder to afford sustainable or reusable options, and many prioritize affordability over environmental concerns when purchasing products.
7. *Homeless and Marginalized Groups:* Individuals experiencing homelessness or those struggling with mental health or addiction often lack access to recycling facilities or the means to participate in waste management programs.
8. *Those with a Lack of Knowledge and Education:* Many respondents cited misinformation or confusion about proper sorting, what materials are recyclable, and where to take certain items. This leads to non-compliance or improper disposal.

9. *Those with Limited Local Recycling Services:* Some communities or buildings do not provide comprehensive recycling services (e.g., no bins for batteries, Styrofoam, or organics), making participation more difficult.
10. *The Unmotivated or Uncaring:* Some individuals, regardless of demographic, lack interest in or motivation to follow recycling practices, often due to convenience or skepticism about the system's effectiveness.
11. *Transient Populations:* Visitors, tourists, and short-term renters (e.g., Airbnb guests) often lack the knowledge or resources to participate in local waste programs effectively.
12. *Construction and Commercial Sectors:* Businesses and construction sites are not always required to follow recycling guidelines, leading to waste that could otherwise be diverted.

Priorities When Looking to the Future

From a list of nine priorities, respondents were asked to pick Metro Vancouver's top priorities for the future when it comes to solid waste management. Respondents emphasized collaborating with governments and manufacturers to reduce packaging and enhance recycling infrastructure as the top priority with 40% of respondents choosing this option. Other top priorities include reducing and preventing overall waste (30%) and providing easy to use services (24%). Lowering carbon emissions through new technology and practices and delivering regional solutions in a cost-effective way were the bottom two priorities (12% respectively).



When asked about additional priorities, the following emerged as suggestions:

1. *Reducing Packaging and Consumption, using Legislation, Enforcement and Incentives:* Advocating for reduced packaging at the source, encouraging manufacturers to use recyclable or compostable materials, and banning Styrofoam. Several respondents emphasized taxing unnecessary packaging and promoting reusable alternatives. Specifically, mentions of introducing stronger regulations to reduce plastic use, requiring businesses to adopt sustainable practices, imposing costs on companies that generate significant packaging waste and enforcing compliance through fines or penalties for non-compliance, while also

providing incentives such as tax breaks to zero-waste businesses and rewarding residents for reducing waste.

2. *Consistent, Improved and Expanded Recycling Services and Infrastructure:* Expanding curbside recycling to include items like Styrofoam, soft plastics, and textiles; ensuring consistent recycling rules across municipalities; and offering large-item disposal days or drop-off events. Building more recycling depots and drop-off centers, integrating advanced sorting technologies, and ensuring recycling programs are accessible to all communities was also mentioned.

3. *Advancing Circular Economy Practices:* Promoting repair and reuse through fix-it workshops and reuse centers, supporting the development of markets for recycled materials, and collaborating with industries to incorporate recycled materials into new products.

4. *Education and Awareness:* Increasing public education about recycling and waste reduction through schools, community outreach, and transparency about where recyclables go. Respondents suggested focusing on behaviour change and targeting businesses and schools.

5. *Waste-to-Energy and Alternative Technologies:* Supporting research into compostable plastics and clean waste-to-energy technologies, while some respondents advocated phasing out incineration due to emissions concerns.

6. *Construction and Demolition Waste:* Reducing construction and demolition waste by supporting deconstruction over demolition, recycling concrete, and introducing major restrictions on the demolition of usable buildings.

7. *Equity and Accessibility:* Ensuring programs are inclusive by targeting multi-family buildings, businesses, and low-income residents, and providing drop-off services or neighbourhood recycling solutions.

8. *Transparency and Trust Building:* Showing how recyclables are repurposed, publishing regular updates on recycling success rates, and offering tours of recycling and waste management facilities to improve public confidence.

9. *Innovation and R&D:* Funding research into alternative materials and technologies to replace petroleum-based plastics and minimize waste.

10. *Addressing Special Waste Items:* Offering guidance and collection for food waste recovery, or for niche waste items like textiles, diapers, kitty litter, and bulky furniture.

11. *Integrating Indigenous Knowledge:* Collaborating with First Nations communities to incorporate traditional knowledge into waste management strategies.

Idea Generation

Finally, respondents were asked to provide further ideas for Metro Vancouver to consider as it works towards reducing the amount of waste in the region. Common themes identified, were:

1. *Reducing Packaging and Waste at the Source:* Respondents emphasize the critical need to minimize waste by addressing its origins. Suggestions include mandating sustainable packaging, banning Styrofoam and non-recyclable plastics, and reducing excessive packaging in online shopping and grocery goods. Advocates

propose incentivizing manufacturers to adopt reusable or compostable materials and cracking down on non-recyclable or environmentally harmful packaging to prevent waste from entering the region altogether.

2. *Education and Public Awareness:* Education is seen as fundamental to waste reduction. Respondents call for clearer communication about what can and cannot be recycled, raising awareness of the lifecycle impacts of products, and engaging children through schools to influence household behaviors. Many stress the need for media campaigns and community outreach to make recycling practices accessible and widely understood.

3. *Standardization and Consistency Across Regions:* A major concern is the inconsistency of collection programs across municipalities, leading to confusion and reduced participation, such as in organics and recycling collection. Respondents advocate for harmonizing collection systems, bins, and acceptable materials to create a simple, unified waste management process across Metro Vancouver, making it easier for residents to comply.

4. *Incentives and Rewards:* Incentives for good waste practices, such as deposit-refund systems, bulk buying rewards, and tax breaks for zero-waste businesses, were frequently suggested. Penalties for excessive waste generation and rewards for individuals and businesses adopting sustainable behaviors are seen as vital strategies to encourage compliance and innovation.

5. *Reuse, Repair, and Circular Economy Initiatives:* Expanding repair cafes and reuse hubs is viewed as a key strategy for reducing waste. Respondents recommend promoting repairable products, supporting businesses that repurpose waste into usable goods, and creating community spaces to encourage the reuse of clothing, electronics, and furniture. These initiatives are seen as essential to building a circular economy where resources are continuously reused rather than discarded.

6. *Expanded Recycling Services and Facilities:* Accessibility to recycling infrastructure is another pressing concern. Suggestions include building more drop-off centers, increasing public recycling bins, and offering curbside collection for hard-to-recycle items like soft plastics, textiles, and electronics. Seasonal or mobile recycling depots are proposed to address bulk or unusual items.

7. *Producer Responsibility and Corporate Accountability:* Respondents strongly advocate for holding manufacturers accountable for waste creation. Suggestions include implementing extended producer responsibility programs, requiring manufacturers to take back their products and packaging, and imposing fines for excessive or non-recyclable materials. Many emphasize shifting the burden of waste management from consumers to corporations.

8. *Waste-to-Energy and Alternative Solutions:* Technological solutions like waste-to-energy facilities are highlighted as viable alternatives to landfills. Respondents propose repurposing existing facilities to incorporate waste-to-energy, investing in biodegradable plastic technologies, and improving composting infrastructure to address organic waste including compostable plastics such as PLA. These innovations are seen as critical for reducing landfill dependency and maximizing resource recovery.

9. *Community Engagement and Inclusivity:* Building an inclusive waste management culture is deemed essential. Suggestions include engaging religious and cultural groups to promote ethical waste reduction, supporting seniors and low-income residents with accessible recycling options, and collaborating with businesses to align with sustainability goals. Respondents stress the importance of fostering community-wide cooperation.

10. *Addressing Construction and Demolition Waste:* Construction and demolition waste is identified as a significant challenge. Suggestions include promoting the reuse of construction materials like wood and concrete aggregates and encouraging deconstruction practices over demolition to reduce waste in the construction sector.

11. *Transparency and Accountability:* Many respondents call for increased transparency in waste management processes. They propose providing detailed information about the lifecycle impacts of products, the benefits of recycling, and the end-use markets for recyclables. Transparency is seen as essential to building trust and motivating residents to participate in waste reduction initiatives.

12. *Legislation and Enforcement:* Stricter regulations and enforcement are frequently suggested as necessary to drive change. Respondents recommend penalties for illegal dumping and improper sorting, mandatory labeling for recyclable materials, and legislation to ban misleading marketing like “flushable” wipes. Strong enforcement is viewed as a cornerstone of effective waste management.

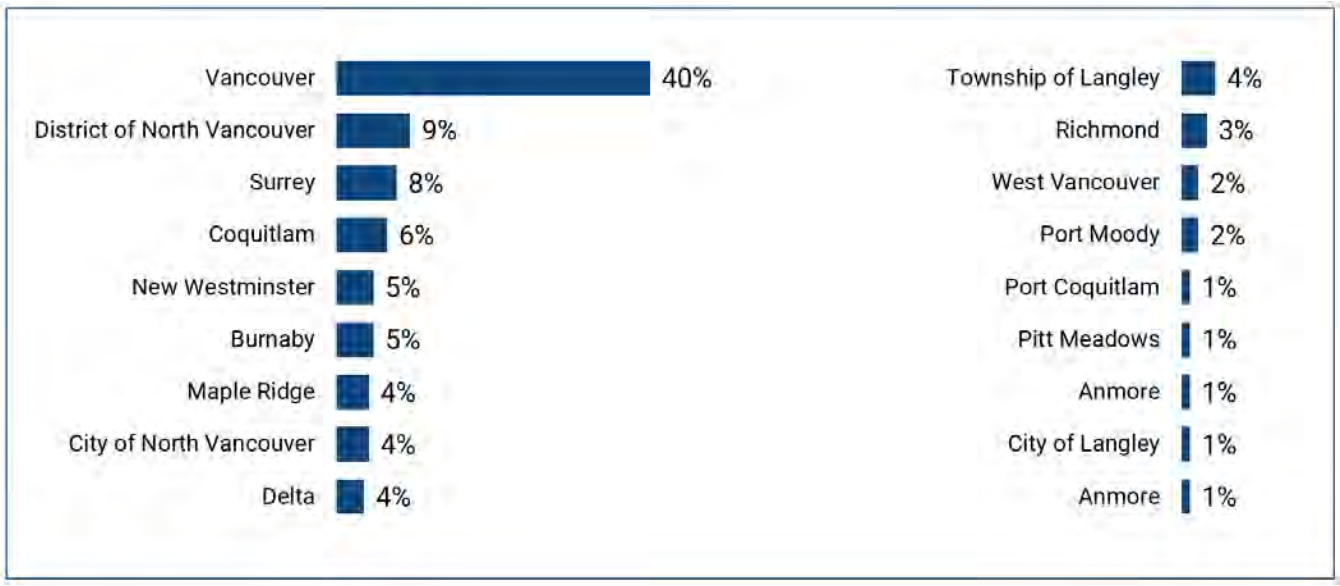
13. *Food Waste and Organics Recovery:* Reducing food waste is identified as a priority, with proposals for donation programs, expanded organic waste collection, and improved composting systems. Respondents stress the importance of tackling food waste to reduce greenhouse gas emissions and make significant environmental gains.

14. *Behavioural Change and Systemic Efforts:* Shifting societal attitudes toward consumption is seen as a critical long-term goal. Respondents emphasize reducing reliance on disposable products, encouraging sustainable behaviors, and creating programs that are simple and inclusive to ensure widespread participation. They view waste reduction as a systemic issue requiring coordinated efforts across all sectors.

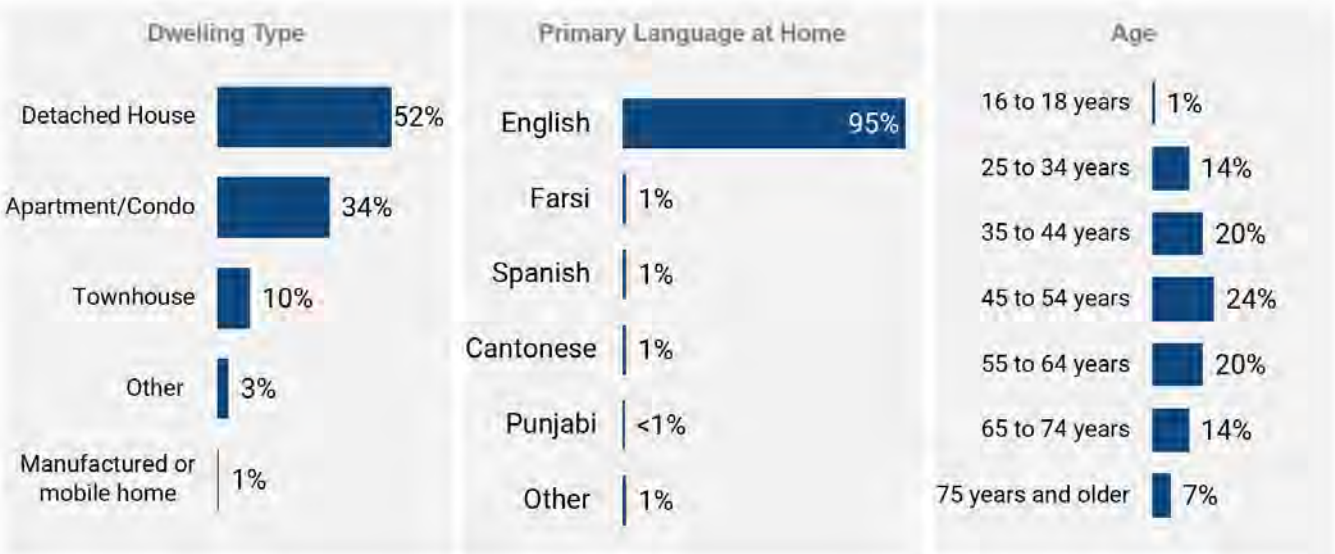
15. *Collaboration with Industry and Research:* Finally, respondents advocate for partnerships with businesses and researchers to develop innovative recycling technologies, create sustainable materials, and support local industries that transform waste into profitable products. These collaborations are seen as essential to achieving systemic and technological breakthroughs in waste management.

Who Responded

Respondents came from across the Metro Vancouver region, with the largest group from Vancouver.



Half of respondents lived in a detached house (52%), three in ten in an apartment/condo (34%) and 10% in a townhouse. The majority were Anglophones (95%) with 4% speaking Farsi, Spanish, Cantonese or Punjabi at home. Most age categories were represented, with 35% being 44 years of age or younger, 24% between 45 and 54, 20% between 55 and 64 and 23% 65 years of age or older.



Solid Waste Management Plan Update Phase 3 Options Analysis – Questionnaire Findings Summary

November 6, 2025

Methodology

An online questionnaire was open to the public between September 19 and October 31, 2025. It was hosted by Metro Vancouver. Engage Delaney assisted in design, data analysis, and reporting of the findings.

Close to 400 participants (390) engaged in the questionnaire.

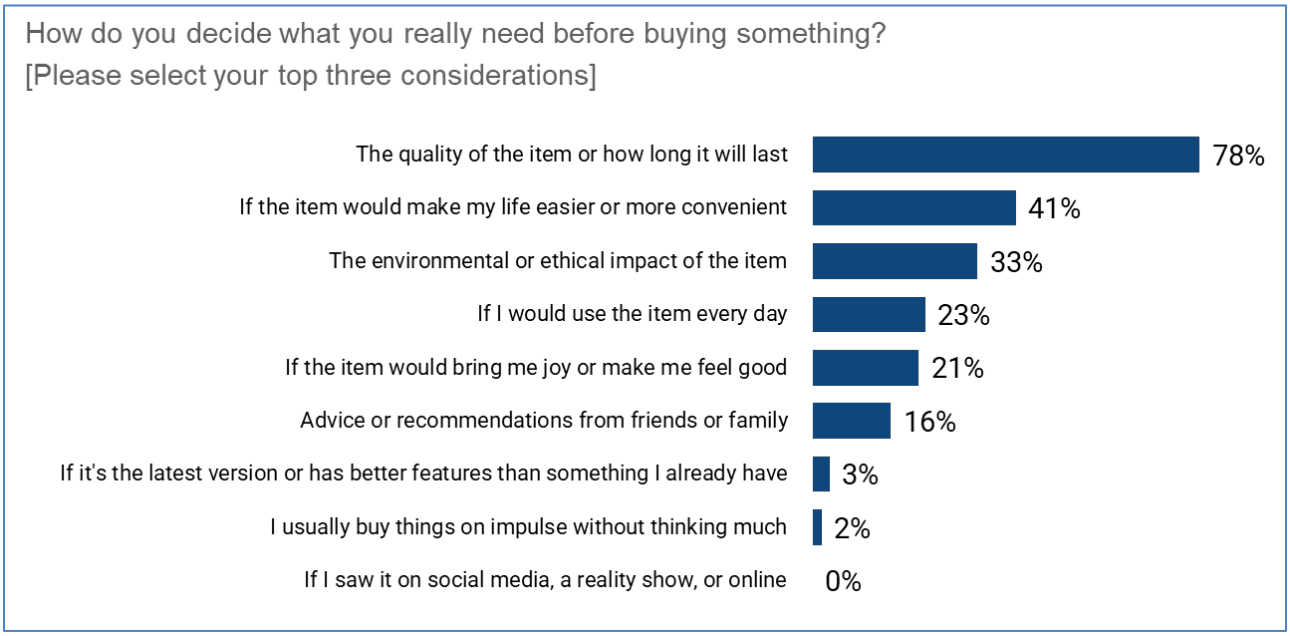
Key Findings

Rethink

When making purchase decisions, the top factor when considering needs was the quality of the item or how long it will last.

Eight in ten respondents (78%) said this was among their top three considerations. About half as many (41%) said that they considered whether or not the item would make their life easier or more convenient, while a third (33%) considered environmental or ethical impacts of the item.

Fewer respondents base purchase decisions on whether or not the item would be used daily (23%) or if it would spark joy (21%); 16% say that word of mouth recommendations are a factor. Very few said they look for better versions of something they already have (3%) or are impulse buyers (2%).

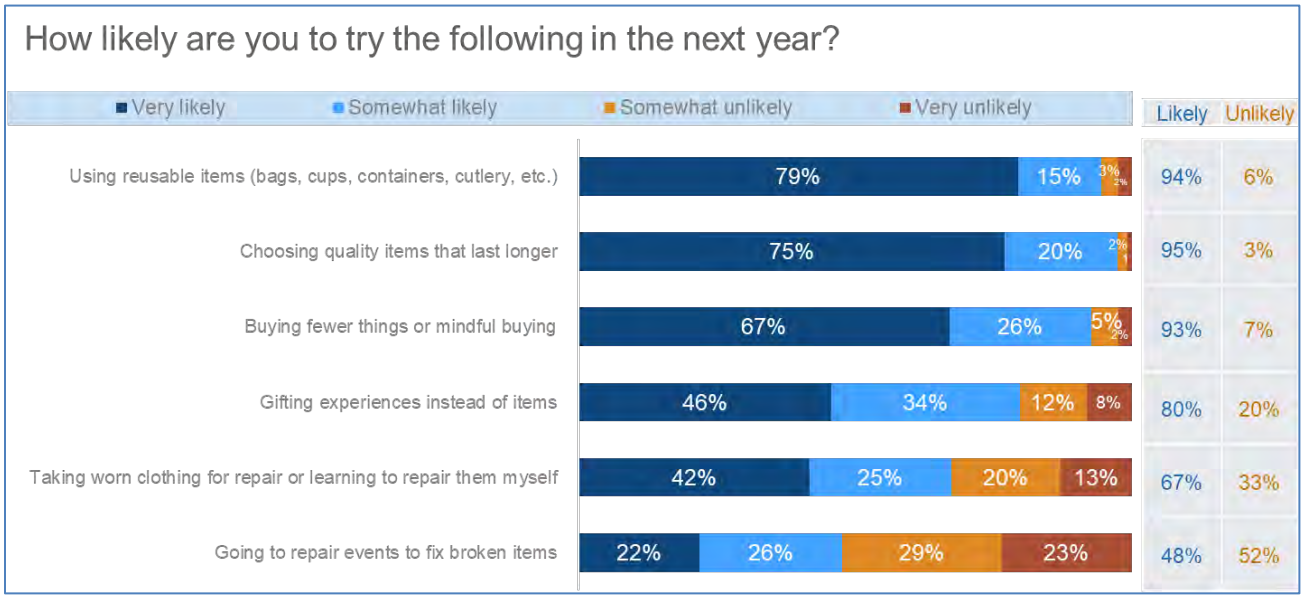


When asked if there was anything else that is important to them when deciding whether they need something, many respondents added other considerations or expanded on the list provided. Main themes included assessing necessity and replacement (questioning whether an item is truly required or simply a want), seeking reuse or second-hand alternatives before buying new, including if they could borrow it instead of buying it. Others described making decisions based on sustainability and lifecycle considerations such as repairability, recyclability, and packaging waste, and preferring locally or Canadian-made products (and avoidance of U.S. or Chinese products) was also mentioned. Practical considerations like cost and affordability, storage space, and brand ethics also emerged as smaller themes, alongside more personal factors like reflection before buying and aesthetics, fit, or functionality.

Many questionnaire respondents indicated they were likely to make changes in the next year to prevent waste.

The most popular actions were choosing quality items that last longer (95% saying they're likely to do that, among whom 75% very likely) and using reusable items such as bags, cups, containers, and cutlery (94% likely; among whom 79% very likely). Somewhat less popular were buying fewer things or mindful buying (93% likely; 67% very likely).

Gifting experiences rather than physical gift items, was also quite popular, with eight in ten overall likely (80% likely; 46% very likely). While two thirds said they are likely to repair worn clothing (67% likely; 42% very likely), this was among the least popular actions, with a third saying they'd be unlikely to do this (33% unlikely; 13% very unlikely). The least popular action was going to repair events, with half saying they're likely to do this (48% likely; 22% very likely) and the other half unlikely (52% unlikely; 23% very unlikely).

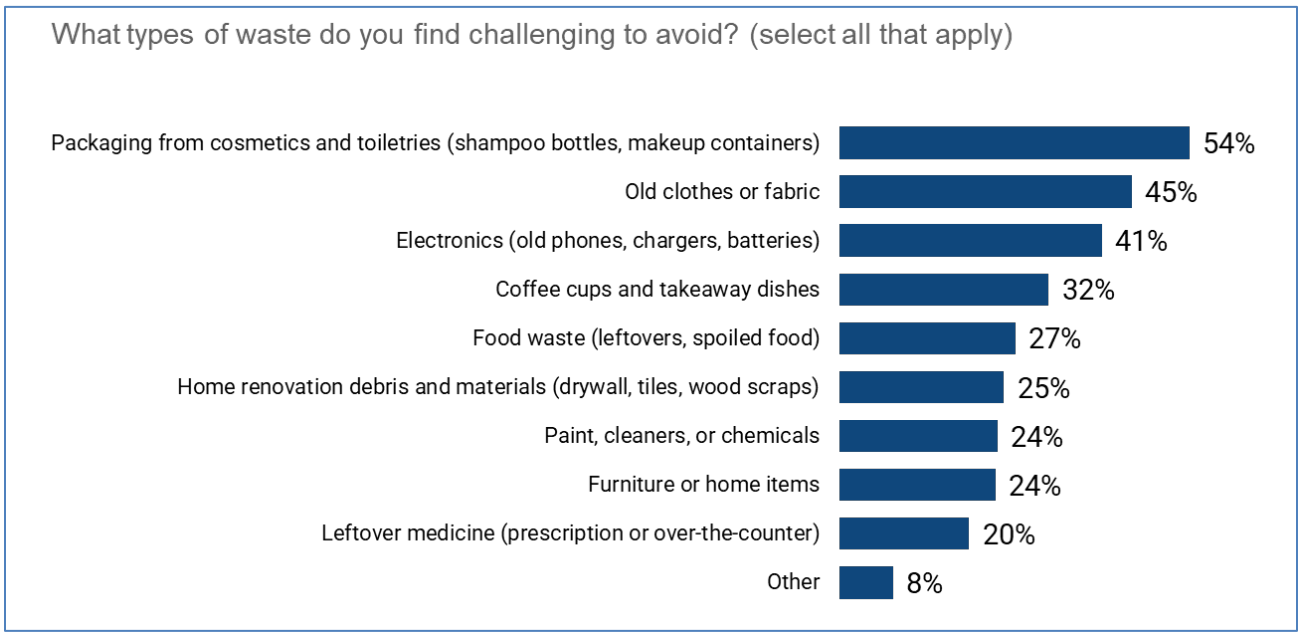


Reduce

When looking at waste items that respondents found the most challenging to avoid, there was only one that the majority found challenging, namely packaging from cosmetics and toiletries. Just over half (54%) selected these items from the suggested list.

Rounding out the top three were old clothes (45% saying they're a challenge to avoid wasting) and electronics (41%). A third said the same of coffee cups and takeaway dishes (32%) and approximately a quarter reported having a difficult time with food waste (27%), home reno waste (25%), paint, cleaners and chemicals (24%), or furniture (24%). Fewer said the same of leftover medicine (20%).

Among the 8% of respondents who mentioned other types of waste as challenging to them, the most mentioned difficulties were related to other plastic and product packaging, including molded plastics and films, and non-refundable or non-recyclable materials. Respondents also cited issues with other household items such as toys or tools. Several noted challenges with paper and gift wrapping, pet waste, and bulky or specialized waste such as tires, broken glass, and aerosols.



The majority of respondents indicated an interest in recycling programs for packaging (69%), with just over half also interested in electronics recycling (54%) or buying in bulk or from refill stations (52%). Somewhat fewer were interested in community events or buy-nothing groups (42%).

Less popular were cup or dishware sharing programs (28%), bulk buying groups (27%), or clothing repair workshops (23%).

Among the 16% who mentioned other types of waste reduction programs they'd be interested in, many expanded on the list by giving examples such as expanding the range and accessibility of recycling, repair, and reuse programs. For example, some respondents supported community-based reuse initiatives such as free stores and shared tool sheds, as well as food waste and organics solutions, including bring-your-own-container programs for restaurants. Common suggestions called for broader or more convenient recycling opportunities, including drop-off or curbside collection for hard-to-recycle items, dedicated textile and fabric recycling, and specific repair programs for electronics, appliances, and household goods.

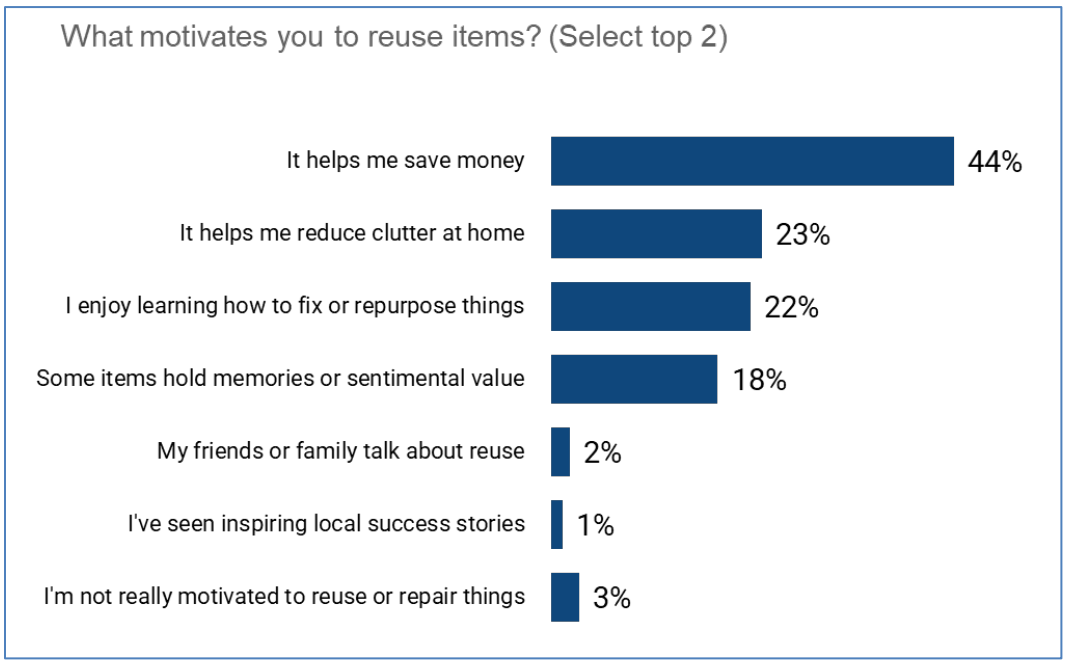
Many also wanted manufacturers and retailers to take greater responsibility for packaging waste, through take-back, standardized materials, or bans on problematic plastics. A few respondents emphasized the need for

government leadership, financial incentives for low-waste households, and public or industry education to reduce overpackaging at the source.



Reuse & Repair

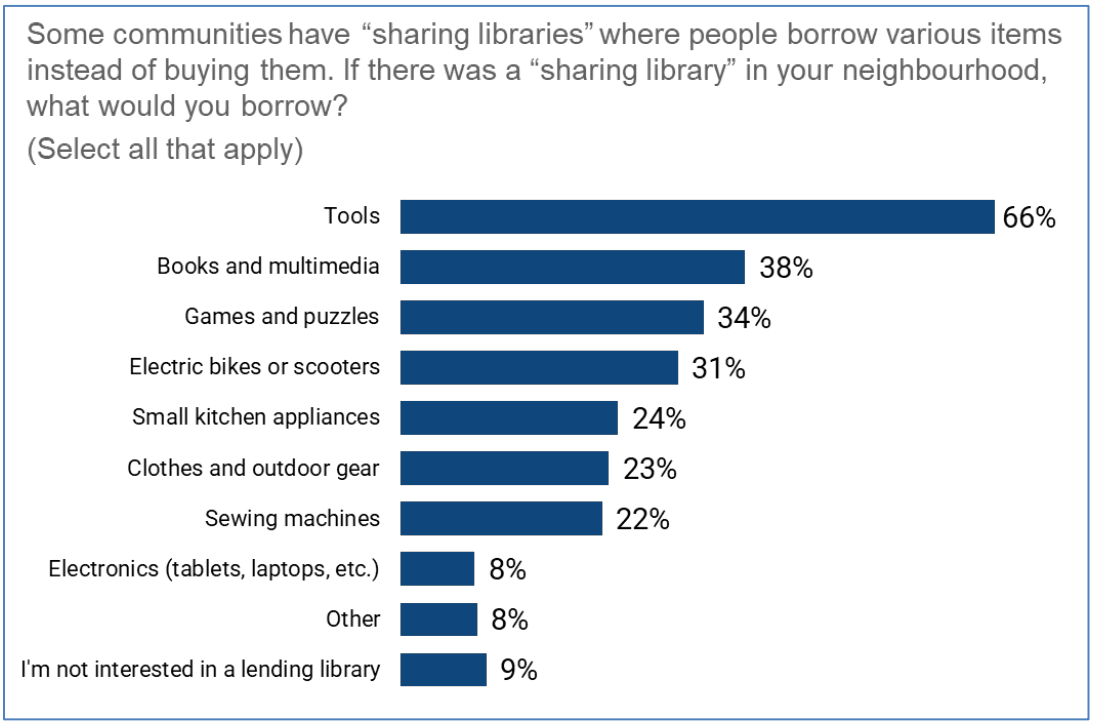
By far the most important factor that motivates respondents to reuse items is financial – 44% selected this as one of their top two motivators. Many also said they liked reusing because it reduced clutter (23%), they enjoy learning how to fix things (22%) or they have items of sentimental value they hold onto (18%).



Many also mentioned other motivating factors. The most frequent additions were a strong sense of avoiding waste and moral responsibility, an appreciation for quality, longevity, and durability, and the influence of family or cultural values around thrift and stewardship. Others described personal fulfilment and enjoyment, or a desire to reject consumerism and convenience culture. Additional motivations included convenience and effort avoidance, community sharing and exchange, economic necessity, and social norms.

Sharing libraries were explored, with the majority of respondents expressing an interest in borrowing tools (66%). Books came in second place (38%), followed by games/puzzles (34%), and electric bikes or scooters (31%). Fewer, yet sizable proportions were interested in borrowing small kitchen appliances (24%), clothes and gear (23%) and sewing machines (22%). Of least interest were electronics lending libraries (8%), and one in ten said they're not interested in a lending library (9%).

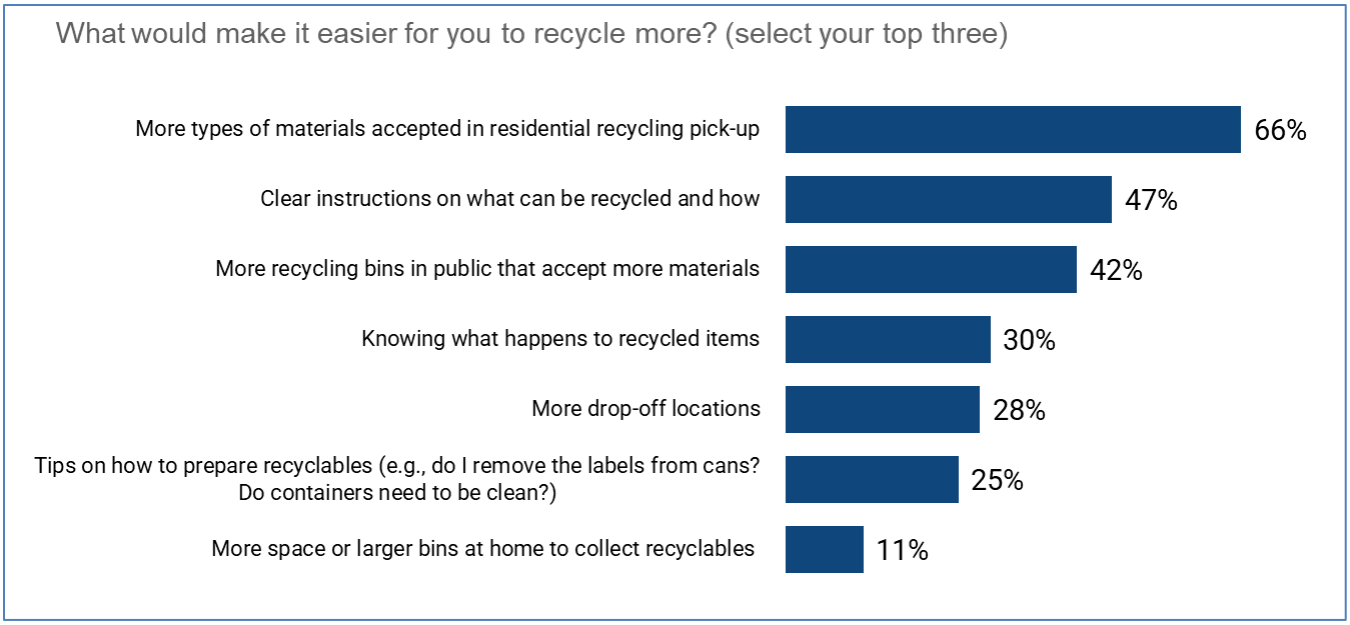
Those mentioning other items cited a variety of examples, including gardening tools and equipment, camping and outdoor gear, children's bikes and bike trailers, sport gear, cleaning equipment, art supplies, and furniture (such as for events).



Recycle

When asked what would make recycling easier, the majority of respondents (66%) said that more materials being accepted for residential recycling pick-up would be an important factor. Almost half of respondents (47%) said clear instructions on what can be recycled and how to recycle more, while four in ten (42%) said having more recycling bins in public areas would make it easier.

Three in ten would like to know what happens to recycled items (30%) and a similar proportion would like to see more drop off locations (28%). A quarter said that tips on how to prepare recyclables would help them. The least popular recycling aid was having more space or larger bins to collect recyclables (11%).



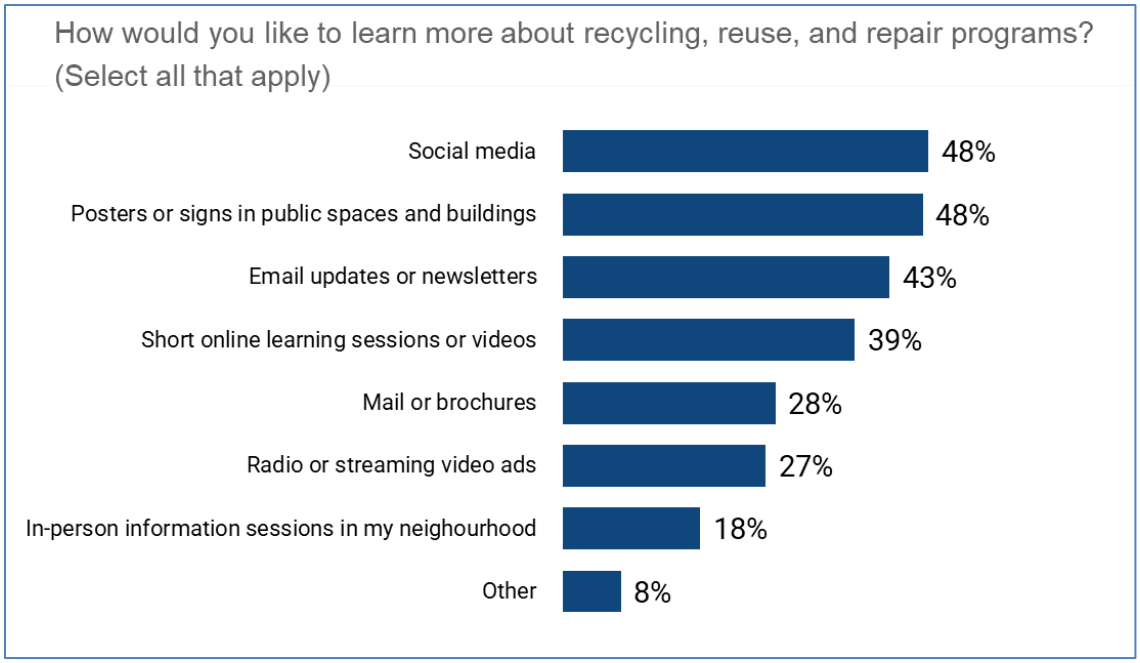
When asked what else would make it easier to recycle more materials, many expanded on existing categories from the list, while others introduced new solutions or priorities. Respondents highlighted both system improvements and broader policy changes. The most common suggestion was to simplify and expand residential collection, with calls for unified sorting systems, single-stream recycling, and curbside pickup for hard-to-recycle materials such as soft plastics and Styrofoam. Many also wanted greater trust and transparency, expressing skepticism about whether materials are actually recycled and calling for transparent reporting and accountability from government and industry.

A main theme involved shifting responsibility upstream, with respondents urging manufacturers, retailers, and restaurants to use recyclable packaging, provide clear labelling, and participate in take-back programs. Others emphasized better access and convenience, including integrated drop-off depots at grocery stores, small neighbourhood centres, and more equitable access for multi-family housing residents. Some respondents also pointed to the need for consistent education and communication, including clear terminology, standardized rules, and visible information at public facilities and transit hubs.

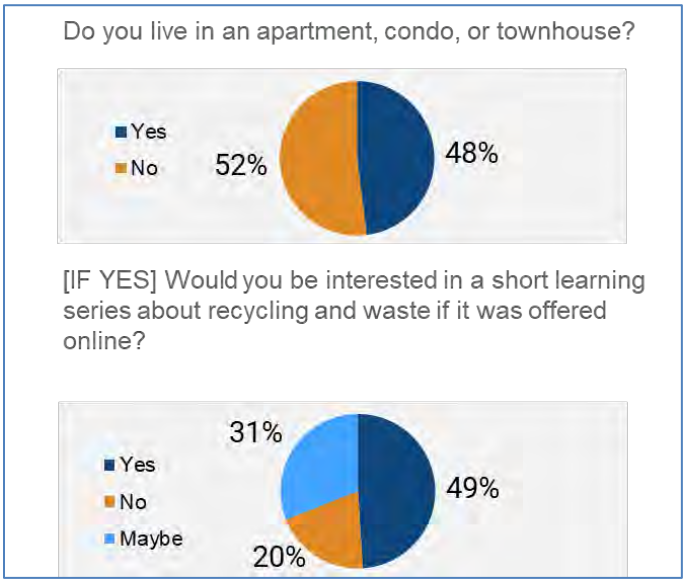
Education and Resources

For the most part, respondents wanted to learn about recycling, reuse and repair programs through social media and posters or signs in public spaces. Half of respondents (48% each) selected those as their preferred information channels. Many would also like to receive emails on recycling education (43%) or attend short online learning sessions or watch videos (39%). There was slightly less enthusiasm for mail/brochures (28%) and radio or streaming video ads (27%), with in-person neighbourhood information sessions the least popular.

Among the 8% of respondents who suggested other ways to learn about these programs, the most commonly mentioned was online (website or clear search results), through an app, or through school or other educational programs.



Among respondents who live in multi-unit dwellings, eight in ten said they'd be interested in a short learning series about recycling and waste if it were offered online, were either definitely interested (49%) or maybe interested (31%).

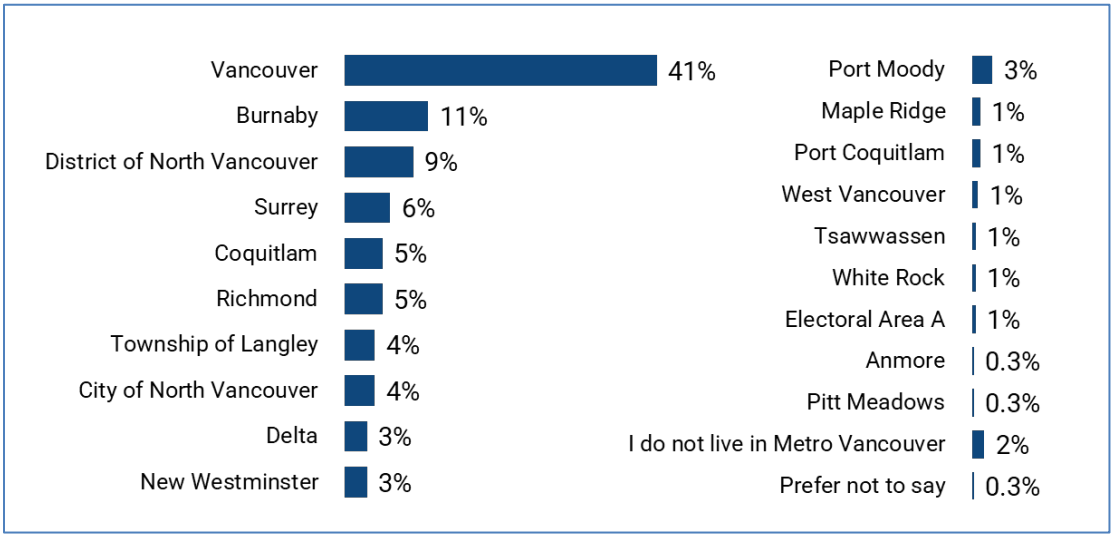


Respondents living in a multi-unit dwelling were also asked for ideas on how to make it easier to recycle food scraps in their building. Respondents shared many practical ideas. The most frequent suggestions focused on clearer education and signage, including multilingual materials, welcome kits for new residents, and reminders in shared waste areas. Many emphasized cleanliness and maintenance, requesting leakproof or pest-proof bins, regular cleaning, and convenient access to facilities. Providing free or affordable compostable liners was one of the strongest recurring ideas, as was ensuring that every building has suitable organics collection infrastructure and visible management support.

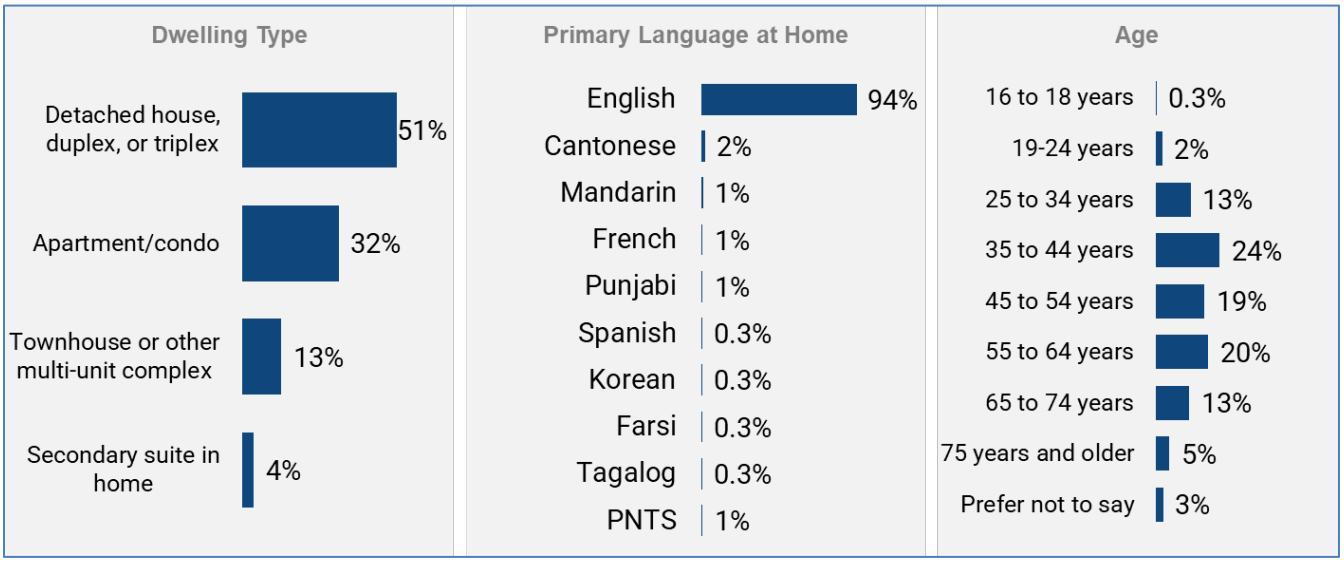
Several respondents also wanted building-level waste champions or on-site composting programs that connect food waste to community gardens, while others recommended enforcement for contamination or policy incentives for compliance. A smaller number noted that reducing food waste at the source – through food literacy, smaller packaging, and community sharing – would help more than focusing solely on collection systems.

Who Responded

Respondents came from across the Metro Vancouver region, with the largest group from Vancouver.



Half of respondents lived in a detached house (51%), three in ten in an apartment/condo (32%) and 13% in a townhouse or multi-unit complex. The majority were Anglophones (94%). Most age categories were represented, with 39% being 44 years of age or younger, 39% between 45 and 64, and 18% 65 years of age or older.



Appendix M

Community Event Summaries

List of Contents
Vision and Guiding Principles
Idea Generation
Options Analysis

Metro Vancouver Solid Waste Management Plan Update

Vision and Guiding Principles

Community Events Summary

1. About the Metro Vancouver Solid Waste Management Plan

Metro Vancouver is responsible for waste reduction, recycling planning, and the operation of a series of solid waste facilities in the region.

We are updating our solid waste management plan, building on the strengths of the current *Integrated Solid Waste and Resource Management Plan* (2011), and identifying opportunities for accelerated waste reduction and recycling while reducing greenhouse gases and promoting a circular economy.

The plan update process is expected to take 2-3 years and we are currently in the vision and guiding principles phase. Throughout all phases, we are actively engaging with governments, including First Nations, government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan.

2. About the Engagement Program

In Spring 2023, Metro Vancouver completed early engagement with First Nations, member jurisdictions, adjacent regional districts, and advisory committees to seek feedback on the fundamental values, vision and guiding principles that will guide the plan development and implementation. The feedback heard helped to identify the following 10 emerging themes:

1. Accountability and transparency for producers and consumers to reduce waste
2. Affordability and accessibility of recycling and waste disposal option
3. Circular economy – reuse, repair, and thrifting instead of throwing things away
4. Climate Resilience – investing in systems with low climate impact
5. Convenience and consistency – waste and recycling services that are easy to understand and simple to use
6. Education and behaviour change – changing how we think about waste and what we purchase
7. Environmental stewardship – protection of natural spaces
8. Equity and societal improvements – all groups have access to information, education and services
9. Incentives for recycling and waste reduction for businesses and individuals
10. Product design and innovation – designing products to be more circular and regenerative

3. Engagement Promotion

The vision and guiding principles will set the direction and build the foundation for the plan and will be informed by engagement input and feedback, Provincial guidelines, a review of the current plan, Metro Vancouver guiding documents, and a review of solid waste management plans in other jurisdictions.

We have been listening and learning from the public and affected parties on key values and priorities related to how residents and businesses purchase, use, reuse, recycle and throw things away in Metro Vancouver.

The public engagement process took place from September 18 to November 10, 2023.

Public engagement feedback is helping to shape the vision and guiding principles for the updated plan. The following are several ways that the public was able to participate in the public engagement process:

1. Sharing feedback by completing a 5-minute online questionnaire
2. Signing up to participate in a virtual or in-person workshop
3. Stopping by our booth at a community event
4. Registering to speak with the Consultation and Engagement Panel
5. Signing up to receive timely information and updates by visiting the project page
6. Sharing insights and feedback with Metro Vancouver staff at zerowaste@metrovancouver.org

4. Engagement Participation

Activity	Date	Number of Participants
Riverfest – New Westminster	September 23, 2023	167
Shipyards Festival	September 23, 2023	203
Car Free Day – Vancouver	September 24, 2023	317
Pitt Meadows Farmers Market	September 26, 2023	34
Metro Vancouver Housing Site – McBride Place	November 2, 2023	28
Diwali Surrey	November 5, 2023	82
	Total participants	831

5. Summary of Public Engagement Event

Metro Vancouver is committed to sharing information with the public and interested parties about its engagement. We are also committed to listening and learning from the community so that their values and interests can help inform a vision and guiding principles for Metro Vancouver's solid waste management plan update. During vision and guiding principles engagement, we participated in community events in six areas of the Metro Vancouver region. Below are some points of interest that were learned. *(Note: the following engagement feedback has not been formally coded or analyzed but is a representation of observations made from engagement representatives at each event.)*

Riverfest – September 23, 2023

- Many members of the public who live in condos or multi-family developments shared that education is still key to behaviour change and compliance in recycling sorting.
- Several visitors commented that property managers need to be held accountable to ensure the accessibility of recycling and waste disposal options.

- Convenience was a consistent topic and was noted as a reason why people may or may not make the effort to recycle. We heard from many who said that it can feel complicated and confusing with so many messages around how to recycle, and it can appear easier to throw everything in the garbage.

North Vancouver Shipyards – September 23, 2023

- We learned that there is confusion related to where and how to recycle textiles when clothing is too worn to deliver to charity organizations and a growing interest in the need to raise awareness to support a circular economy to reuse and support donation in a greater way.
- There were countless conversations started through the sorting game with several people acknowledging that they had "learned a lot" on which bin to put certain recyclable and disposable items.
- We learned of an overall public expectation for accountability and transparency for producers of products that are labelled compostable yet are destined for the landfill. i.e. plastic compostable cutlery, compostable take out cups/containers.

Car Free Day – September 24, 2023

- A consistent theme that stood out as surprising was a sense of shame and fear of being judged for not knowing as much about recycling as one feels they publicly should.
- This was a concern shared by parents of children who were unsure of sorting, teenagers who were unclear of items outside of pop cans, and young and older adults who admitted they were overwhelmed by the choices so have chosen not to learn. Through the sorting game, a lighthearted dialogue, and small prize regardless of score, all these individuals left with a better feeling about what they do know about recycling, knowledge of where to get more information, and a more positive outlook.
- One participant shared that, "they didn't know how much they already knew, and it made them feel better." We spoke to many visitors who left feeling the same way.

Pitt Meadows Farmers Market – September 26, 2023

- On the topic of consistency, some visitors noted that there are inconsistencies in material accepted across the region at recycling and waste facilities. One visitor said that she recently moved to Maple Ridge from Vancouver and finds it confusing that there are inconsistent recycling practices across the region. i.e. textiles, crinkle plastic.
- Accessibility was a key topic related to seniors and those with mobility challenges. Several visitors spoke of the need for support services to be provided for recycling pick-up for seniors and other populations with mobility challenges.
- One visitor said that recycling is a priority for him, but he cannot carry the bags and bins to the curb anymore. In addition, we heard from more than one resident who said that the seniors care facilities need more accountability in providing education and recycling options to their residents.

Metro Vancouver Housing Site – November 2, 2023

- The game was a hit and there were lots of recycling lessons learned. Regardless of age, all our visitors were eager to learn and asked lots of questions with many of the kids coming through more than once to test their increased level of knowledge.
- We heard that it is common at this site for children to be the ones to take the recycling out and that the lack of recycling knowledge within this group, and in their homes, contributes to the contamination of the bins. This was a frustration for those residents who separate their recycling and are committed to reducing waste.

- The common misconception that we heard about recycling practices was around thin plastics and the disposal of large quantities of cooking oil. One visitor noted that she has a large garbage bag of plastic bags in her home "that keeps getting bigger" because they don't fit into the criteria of the recycling bins, and they were not sure what to do with them. The inability to recycle onsite or to travel to specific facilities was seen as a barrier to recycling these items, even for those who were very committed and actively participating in reducing waste.

Diwali – November 5, 2023

- Several visitors said they were new to Canada and were eager to learn and understand recycling and how they and their families can participate more fully.
- Many of the kids were happy to discuss where they have seen a recycling bin and food waste containers and how they are used and were also very comfortable expressing that this sorting game was "so easy."
- We spoke with an elementary school principal who was eager to understand the current Metro Vancouver programs that would create educational opportunities for his students, on a deeper level. Creating recycling and solid waste champions from the ground up, it sounds like that momentum is already happening.

6. Next Steps

Phase 1 engagement closed on November 10, 2023. Feedback received during this engagement process will help to inform the Vision and Guiding Principles for the Metro Vancouver solid waste management plan update which will be presented to the Zero Waste Committee in early 2024.



Metro Vancouver Solid Waste Management Plan Update

Idea Generation

Community Events Summary

1. About the Metro Vancouver Solid Waste Management Plan

Metro Vancouver is responsible for waste reduction, recycling planning, and operating a series of solid waste facilities in the region. We are updating our solid waste management plan, building on the strengths of the current plan (approved in 2011), and identifying opportunities for accelerated waste reduction and diversion while reducing greenhouse gases and promoting a circular economy. An updated solid waste management plan will guide our region's policies and collective actions over the next decade and beyond and engagement is critical to its success.

The plan update process is supported by robust First Nations and public engagement.

2. About the engagement program

The current phase is idea generation, which builds on the previous phase (vision and guiding principles). The results from this phase will inform the next phase of engagement: options analysis. Metro Vancouver is building on the strengths of the current plan and identifying ways to further reduce waste and greenhouse gases, increase recycling, and advance a circular economy.

As Metro Vancouver updates the plan, we are engaging on the following seven key areas that can build on our current success of achieving one of the best recycling rates in North America.

- Rethinking and prevent waste in the first place.
- Enhancing accountability for eliminating waste.
- Leveraging knowledge and expertise through collaboration.
- Increasing participation and reduce contamination in organics and recycling programs.
- Promoting confidence in recycling systems.
- Expanding inclusive programs and services.
- Planning for future infrastructure and systems for waste management across the region.

3. Engagement Participation

Activity	Date	Number of Participants
SFU Vendor Expo	September 5, 2024	190
Car Free Day – Main Street	September 15, 2024	450
Metro Vancouver Housing – Heather Place	September 18	1
North Shore Shipyards Festival	September 21, 2024	430
RiverFest, New Westminster	September 28, 2024	140
Tsawwassen Mills Shopping Centre	September 30, 2024	18
Diwali Festival, Surrey	October 20, 2024	156
	Total participants	**1,385**

4. Summary of Public Engagement Events

SFU Vendor Expo – September 5

- The sorting game was again the highlight, and we often had a lineup of students wanting to join in, even in the 31-degree heat! We spoke with environmental science majors, and several self-proclaimed experts in recycling who regularly educate their roommates, family, and friends of the importance of recycling and waste management.
- Some participants were unsure of their level of knowledge, so because more heads are better than one, we often had teams playing the game. This resulted in brainstorming, discussion, group compromise, laughs, and learning.
- Our observation was that often people had far more knowledge than they thought they did and the validation through the game and a high five was all they needed to know they should keep doing what they were doing.

* SFU is modelling the way with multi-stream garbage bins located at every entrance, bathroom area, and in the hallways. They use images and words to communicate the streams, and even have food waste containers for the students to use.

Car Free Day – September 15

- This event was very much a family affair, and we had many families that participated in the sorting game and at the colouring table. We often saw Mom and Dad step back and kids of all ages tested their knowledge of recycling. It was shocking to see many children as young as preschoolers who have knowledge of composting and recycling bins that they learned at school or from watching what is done at home.

- There appeared to be a shift from last year in the overall knowledge of recycling, the amount of participation that is happening in homes, and the desire that the public shared in becoming better at managing waste and recycling.
- We had many positive discussions with the public. Many were keen to understand more about clear plastics, where they can be recycled, and when recycling at the curb will be available for all municipalities.
- We heard concerns about single use items that are marketed as compostable by the manufacturers but must go in the garbage due to the presence of micro plastics. There were comments about the need for greater regulations, policies, or guidelines to be implemented so that manufacturers cannot falsely claim an item as being compostable.
- We had lineups for the game and for the colouring table, and we heard more than a few times about how fun and informative our interactions were, and that Metro Vancouver should keep up the good work.

Metro Vancouver Housing – Heather Place – September 18

We set up our event inside the gymnasium at the Heather Place housing site and had one visitor participate in the sorting game. The key question that was asked was related to items that are labeled compostable but are not, and how Metro Vancouver can support with changing policy to reduce confusion for consumers. *Metro Vancouver housing staff shared event information and invitations through posters in the hallways, postcards to each resident, information shared in the tenant newsletter and through direct email.*

North Shore Shipyards Festival – September 21

- Many were enticed by the game, the crowd around the colouring table, and we also had some that visited because they recognized the Metro Vancouver tent.
- Again, we noticed a shift from last year with the number of preschool and elementary school aged children who had a real grasp on recycling and sorting waste. Many parents said that their kids are learning more about recycling at school, which is supported by new habits at home that are including the whole family.
- Staff onsite spoke with a dynamic individual who is leading a new initiative related to the reuse and recycling of textiles and materials.
- As was heard at Car Free Day, many game participants were confused by the "compostable" items that cannot be recycled and again there were several calls for Metro Vancouver to advocate strongly for better policy and guidelines for manufacturers. To add, a City of Vancouver resident shared a screenshot of the Vancouver Recycling Centre page and there was some contradicting information related to parchment paper and some other items. *Disclaimer: She was not clear on when that screenshot was taken.*
- We are noticing an increased desire from the public to not only recycle but to learn how to recycle effectively. Metro Vancouver is doing great work, and this is a great news story; however, we do see how public confusion is occurring with the many conflicting

messages that may be received through the various information sources they are accessing.

RiverFest, New Westminster – September 28

- Many attendees were from Burnaby and Vancouver, as well as New West. Amongst those who attended, some noted how they support their older parents with bringing materials to recycling/depot centres. One lady shared how her older father sees no point, but every week she picks up his recyclables. Inter-generational recycling support!
- Some participants shared how they were disheartened with their efforts when they saw dirty materials cross contamination the bins. This was particularly the case in multi-family/condo buildings with one large recycling room. A few people shared that they didn't see the point in doing their part if others "couldn't even rinse out their yogurt containers".
- There was greater awareness than we had anticipated about "compostable" soft plastics. Those who didn't know they couldn't be composed curbside were upset with the false advertising.
- People who went to the depot in Burnaby seemingly regularly (weekly) were within walking distance. Reducing the barrier of driving to a recycling centre seemed to be an important factor is the frequency of access.

Tsawwassen Mills Shopping Centre – September 30

- In our coordination of this event, we were told we could set up near the front doors to the mall but in reality, the location we were provided was further back into the parking lot. This impacted the outreach we could have, and we engaged 18 people despite crowds.
- Our first couple/family deferred all recycling decisions to "Mom" as she does all the recycling in the house. This was a change from many of the interactions we have had to date, where parents are sharing knowledge and expectations with all family members.
- We had a young family participate and our "little sorter" was four years old and did great, his mom said that he even has his very own blue recycling bin to help at home. The parents asked if there could be more educational programs brought in at the preschool level.

Diwali Festival – October 20

- As with many of our events this year, people were drawn in by the game, the prize baskets on display, and the crowd we often had in front of our table.
- A noticeable decrease in recycling knowledge among participants, including a lack of knowledge of what the difference was between compost and recycling bins. This was apparent in participants of all ages and may have been due to newcomer status, although there were few language barriers.

- We met several couples where one would defer completely to the other as the "recycler" in the family. This appeared to show that only one person in the house takes the time to understand recycling and the various streams.
- It was suggested by a participant who has been in Canada for eight years, that Metro Vancouver should partner more closely at the municipal level to create an image-based reference sheet for newcomers and those who's first language is not English. She said that many newcomers receive a welcome package from local organizations that should include recycling, and information to reduce waste. She continued to say that they are many countries that do not recycle so these newcomers would not know what to look for or where to look for information.
- We met some seniors who did not speak English but wanted to play the game, nonetheless. Their adult children were their interpreters, and they did great and enjoyed the game.

There was a marked increase in the interest and overall knowledge from last year to this year, at all ages, and we met countless families who have made recycling a priority in their homes.

5. Next Steps

Idea generation public engagement will close on November 8, 2024, with sector and collaborative engagement being completed in December 2024. Feedback received during this engagement process will help to identify potential actions and strategies for the Metro Vancouver solid waste management plan update.



Metro Vancouver Solid Waste Management Plan Update

Options Analysis
Community Events Summary

About the Metro Vancouver Solid Waste Management Plan

Metro Vancouver is responsible for planning for waste reduction, reuse, and recycling, and managing and disposing of the remaining waste in an environmentally responsible manner. This work is guided by our commitment to environmental stewardship, and affordable and accessible waste management services. It would not be possible without the continued efforts of committed residents and innovative businesses throughout the region.

Metro Vancouver operates several recycling and waste centres in the region where residents and businesses can drop off recycling and garbage. Metro Vancouver also runs educational campaigns and initiatives to encourage waste reduction, reuse and repair, and recycling.

This important plan will guide solid waste management strategies and actions, targets, and priorities in the decade ahead. The updated plan will identify how our region can continue to reduce waste, increase reuse and recycling, reduce greenhouse gas emissions, and work towards a circular economy. Together as a region, we need to think about how we purchase, use, reuse, recycle, and throw things away in Metro Vancouver to better manage our solid waste.

Engagement Approach

The solid waste management plan update process is supported by robust First Nations and public engagement. Work began in 2021 and is nearing completion with a draft plan expected in early 2026. The objective of the options analysis phase is to evaluate ideas that were generated in the previous engagement phases by applying decision-making criteria that are grounded in the vision and guiding principles for the updated plan. The feedback we receive in this phase will help Metro Vancouver decide what actions and strategies will be included in the plan.



The options analysis phase of engagement has included seeking feedback from the public and creating opportunities for dialogue around draft strategies and actions to include in the updated solid waste management plan. This is the final public engagement opportunity before the new plan is finalized.

Public Engagement at Community Events

Public engagement events for this phase of engagement took place from August 16 to October 5, 2025. We have been receiving feedback from the public on draft strategies and actions to understand their level of support or opposition and what would help them implement these strategies in their day-to-day life.

Actions Presented for Feedback at Engagement Events

Below is a summary of the community events Metro Vancouver attended to engage with members of the public in-person during this phase of engagement. From the overall list of defined actions proposed for inclusion in the updated plan, the sixteen actions below were shared with members of the public to receive input on the following:

1. How likely are you to support or participate in the actions below, if implemented by Metro Vancouver?
2. What could Metro Vancouver do to make it easier for you to support or participate in these actions?

ID#	Action	
004	Work with other municipalities and regions to develop and advocate for circular-economy regulations	Rethink
011	Help small businesses reduce waste and move to a circular economy.	
023	Work with partners in the fashion industry and textile industry to design low waste clothing	
079	Develop educational tools to help schools teach about the circular economy	
052	Provide incentives for businesses and institutions to reduce waste	Reduce
081	Increase in-person education for residents to learn about how to reduce waste	
104	Expand waste reduction and recycling education tools for multi-family residents	
105	Review and expand Metro Vancouver disposal ben program to include new items like clothing and other textiles	
036	Encourage residents to incorporate more used building materials into their home renovation projects	Reuse
056	Expand opportunities for reuse drop-off at Metro Vancouver recycling and waste centres	
078	Develop waste prevention and reuse programs, and education for newcomers and visitors	
086	Work with multi-family buildings to increase donation collection options for reusable items such as clothing and books	
132	Recognize and reward those who recycle well so others are inspired to follow their example	Recycle
135	Provide clear, consistent guidelines on what can and cannot be recycled	
146	Develop educational resources for people to reduce waste and increase recycling when hosting a large gathering	
159	Show where waste and recycling goes and how its processed	

Participation at Engagement Events

Activity	Date	Number of Visitors
Port Coquitlam Car Free Day	September 6, 2025	226
Main Street Car Free Day	September 14, 2025	328
RiverFest	September 27, 2025	175
Diwali Festival	October 5, 2025	126
	Total Visitor	**855**

Attending community events provided an opportunity to share project information and to listen and learn from the public so that feedback received will help to inform the updated strategies and actions in Metro Vancouver's updated solid waste management plan.

In this phase of engagement, we participated in community events in four areas of the Metro Vancouver region. Participants were encouraged to share their sentiment by placing a coloured dot in one of three columns to represent either green (supportive), yellow (neutral), or red (not in support). At all events, the response from the public showed a continued curiosity for Metro Vancouver and the work it oversees in the region, as well as a general appreciation for engaging the public and seeking feedback on waste, organics, and recycling in the region.



Below are some points of interest that were learned in the engagement.

Port Coquitlam Car Free Day – September 6, 2025

A successful event where 226 people visited Metro Vancouver and 100+ people actively participated in sharing their feedback on the various potential actions that were presented. The children's table had 75 children engaging in activities throughout the day.

Sample of additional feedback and ideas received:

- ✓ How can Metro Vancouver enforce policies around circular-economy initiatives?

- ✓ The guidelines are mostly clear; however, better composting guidelines are needed i.e. plastic bags labelled compostable. Why are they available for purchase in many stores and retail outlets?
- ✓ We need barrier free recycling - What do we do with large items such as appliances?
- ✓ Why is Metro Vancouver trying to get involved in education systems and the clothing industry? They need to "stay in their lane." “That is my tax dollars, they are overspending with all these ideas.”



Main Street Car Free Day – September 14, 2025

It was a rainy and cool start to the event; however, we still had 328 visitors and 90+ people actively participated in sharing their feedback on the defined actions presented. The children’s table had 86 children participating in the colouring activity throughout the day.

Sample of additional feedback and ideas received:

- ✓ Question about Metro Vancouver's authority to implement some of the proposed actions and the public’s continued confusion about recycling processes, particularly regarding plastics labelled compostable.
- ✓ Metro Vancouver says that they are focused on the environment, which is why they don’t support incineration, however they support heavy trucks and hauling waste long distances. How is that better for the environment?
- ✓ We have a lot of these things that are suggested already in place to address the issues. Why is Metro Vancouver upscaling their priorities when they already have what is needed?
- ✓ Make it a policy that homes being demolished must have certain items reused.

- ✓ Beyond newcomers. Bridge the cultural divide. There are a lot of residents who are not newcomers who don't understand this message.

RiverFest – September 27, 2025

At RiverFest, 175 people visited Metro Vancouver and 70+ people actively participated in sharing their feedback on the potential actions that were presented for the public's input. The children's table had 32 children visit and join the prize draw throughout the day.

Sample of additional feedback and ideas received:

- ✓ Reduce confusion in all communications - too much.
- ✓ New Westminster has bans on items, but you have to drive to Coquitlam to recycle. Metro Vancouver needs to reduce barriers.
- ✓ Ban is not a nice word to hear, it is heavy-handed – Metro Vancouver needs to do more work so that banning is not the message.
- ✓ Single stream recycling is needed. Metro Vancouver has made this all too confusing.
- ✓ Open more community reuse shops that have free items that would otherwise be garbage.

Diwali Festival – October 5, 2025

The Diwali Festival included 126 visitors to Metro Vancouver with 40+ people actively participating and sharing their feedback on the potential actions that were presented.

Sample of additional feedback and ideas received:

- ✓ Will you speak our dialect in your communications material/resources/etc.? If you do this, do it right for all cultures.
- ✓ Re-using in India is a sign of being poor. Many immigrants will not do that regardless of the education.
- ✓ Transparency is needed, little trust in what Metro Vancouver says.
- ✓ Don't just teach it in school once a year, add it to the official curriculum so the messaging and actions are consistent for all grades long-term.
- ✓ Lack of space to accommodate more bins, already too crowded in the strata buildings.

Next Steps

Options Analysis public engagement closes on October 31, 2025. Feedback received during this engagement process will help to inform the strategies and actions in Metro Vancouver's draft updated solid waste management plan which will be presented in draft to the Zero Waste Committee in 2026.



Appendix N

Ideas Incorporated Into Potential Actions

IDEA	Strategy Option	ID	Action Option
Local clothing companies can be incentivized to use less packaging & more sustainable materials	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Advocate for the elimination of unessary and hard to Recycling plastic	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Regulate problematic construction products or practices that compromise material reuse and recycling	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Continue to advocate that senior governments progressively move towards the prohibition of the manufacture and distribution of non-essential, non-recyclable materials and products	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Continue to advocate that senior governments prohibit the manufacture and distribution of non-recyclable packaging	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Comment that takeout containers, disposable coffee cups, and packaging are an issue. Interest in reducing packaging in product design and involving producers.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Comments on avoiding manufacture of products and packaging that can't be recycled easily such as Styrofoam, plastics, and other nonrecyclables.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Q: told to buy local now – farming is a larger issue that will be decreasing, how do we get the local grocers to not accept the products with plastic packaging with food industry?	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
We have to stop the producers from sending everything out in plastic.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Reduce non-recyclable packaging	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Mandate sustainable materials	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Simplify packaging design	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Create laws to eliminate non-recyclable plastics	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Mandate that manufacturers reduce wasteful packaging, use recyclable materials, and contribute to the management of their products at the end of their lifecycle	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Advocate for reduced packaging at the source	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Haven't been doing it, but in the past she's written to stores to STOP SELLING STYROFOAM. So yes, Metro Vancouver should say that we can no longer SELL styrofoam at all, that we can no longer sell them, so we can't get them at the store. You can't get them at the coffee shop but you can buy 24 of them when you're having a picnic. Metro should stop allowing that.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Do not support mixing materials (i.e putting plastic in cement) that makes it hard and unpredictable to recycle at the next round	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Holding manufacturers accountable for packaging waste	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Tax or charge businesses, not consumers, for environmental waste issues.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Waste prevention. Eliminate materials from the wastestream through policy. Don't be afraid to use policy to say 'don't do that' as with the case of California and eliminating false reuse bags with regulatory solutions. In Metro Vancouver, education was used to approach the wipes issue re wastewater treatment challenges, but it needed a system change/ban/producer level approach to run concurrently.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Regulations to reduce hard to recycle products and excessive packaging (such as delivery boxes)	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Tax the retailers who import products using plastic packaging.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Ensure recyclables (especially plastics) are truly recycled and not exported to developing regions, avoiding pollution transfer.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Start to regulate out the use of materials that can't be reused or recycled. Phase out problematic materials	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Provide input to all feedback opportunities (EPR, BC, fed, etc.) and develop some clear ZW principles to guide this feedback.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Push for a strong global plastics treaty and federal policy on waste; plus quick implementation of Zero Plastic Waste Strategy	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Support federal P2 notice for grocery stores and develop strategy to support it locally. Ensure monitoring and reporting back are parts of the system.	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Work with the province to eliminate the need to have provincial approval on municipal bylaws relating to environmental protection (consider if there is no blanket allowance, work to have key sets of policy pre-approved the way SUP policy, empowering municipalities to pilot items, make a suite of options available that can be harmonized)	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Eliminate hard to recycle plastics	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Reduce packaging at the source - manufacturers should be forced to use recyclable and reusable packaging. Planned obsolescence should be eradicated	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.

IDEA	Strategy Option	ID	Action Option
Use glass cans instead of tin cans, which are easier to reuse (smelt down)	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Replace plastic materials with paper materials in daily life to reduce plastic waste and make it easier for recycle and reuse	**1.1. Advocate for circular economy policies**	ID001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.
Advocate for disclosure of plastic liners for paper cups	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Participate in national collaborations to advance elimination of unecessary products and packaging and advocate for redesign of hard to reuse, repair and recycle products	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Review policy options to support design changes to improve recyclability/disassembly or shift to reuse/refillable	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Identify advocacy strategies to produce changes at senior government levels (e.g., producer ownership, ecological tax reform, product traceability, harmonized EPR and circular economy)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Partner with local area municipalities on a common message and approach to textile diversion and single-use item reduction in support of federal action to ban some single-use plastics	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Advocate incorporating technical information about recycled materials into a digital library, which would increase knowledge about materials in product design, encourage industrial symbioses and enhance the materials flow	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Advocate for legislation that minimizes chemicals of concern in products and packaging and requires the disclosure of product chemical data to consumers.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Advocate for statewide legislation or implement regional policies to increase the types of products and packaging for which manufacturers and retailers provide environmeltally sound, convenient and accessible take-back programs	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Work with other municipalities and regions across BC, Canada, and internationally to advocate for more development by senior governments in encourage and developing incentives, including regulation, that promote design of products with an emphasis on reuse and recycling (Cradle-to-cradle design)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Provincial and Federal Governments to identify and establish minimum post-consumer recycled content requirements for consumer goods.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
The Provincial and Federal Governments to require all plastic material solid in BC to have a material code identifying its composition.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Advocate for regulatory requirements that promote circularity	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Advocate for federal and/or provincial support for businesses and organizations prioritizing sustainability and circularity	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Raise the topic of furniture repairability in future right-to-repair consultaton opportunities	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Develop measures to address the disposal of unsold consumer goods	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Support research and data collection on emerging substances of concern.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Advocate for upgrades to the building code to reduce confusion for the treatment of relocated homes in BC municipalities and districts and include embodied carbon savings	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Advocate for the federal government to provide a National waste audit guidance document recommending consistent waste categories and audit methodology.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Advocate for development of Federal Design Standards for Packaging	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Advocate to senior governments to create best practice resources from provincial, national and international experineces to prevent duplication of efforts and facilitate a platform for ongoing dialogue and information exchange.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Prohibit the disposal of unsold goods and production	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
rejects from industry and retail outlets - Ban on textiles sent for disposal	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Consider a discount scheme to encourage residents to repair garments and appliances (in Amsterdam it is linked to their 'city pass")	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Establish a regional Food Waste Policy Council that supports a regional network of food supply chain actors, connecting solutions and providers to maximize effieciency and support an ecosystem of waste prevention instead of a variety of siloed, boutique initiatives	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
First Nations have noticed an increase in illegal dumping, and there is interest in creating a policy they can enforce. There is also interest in supporting a levy against single use items in the territory.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Ban plastic patio furniture (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Tracking of the product throughout its lifecycle (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Develop local industry for repurposing non recyclable packaging products (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Eliminate packaging wherever possible. (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.

IDEA	Strategy Option	ID	Action Option
Have a click button to decline packaging (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Product design and innovation – designing products to be more circular: We need to make rules for producers about the products they sell	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
More penalties (tax) for single-use items	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
There shouldn't be any tax on bottles, as this has already been refunded. Any incentives that the city creates shouldn't be taxed. No one on welfare should be taxed dollar for dollar on incentives.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
In an ideal world, I'd like to see regulations banning the sale of non-repairable toys devices, and electronics in our region.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Barrier – Local, provincial, federal governments operate in the old economy. We need to harmonize regulation, standards, legislation and incentives across these levels as governments and Metro Vancouver could be an advocate for this.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Reduce and eliminate economic incentives that maintain a linear economy.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
- Cheaper to discard than repurpose your waste	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Metro Vancouver should consider regulations requiring businesses to donate usable surplus food	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Incentivizing local recycling and repurposing industries to avoid overseas shipments of recyclable materials.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
The government needs to make laws for businesses to use less plastic	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
There should be laws for businesses to use no single use plastics.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Legislation for the right to repair.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Ensure items don't end up in landfills overseas	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Mandate sustainable packaging	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Promote repairable products	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Ban plastic materials	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Collaborate on emerging legislation from other orders of government	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
For example the Federal plastics registry	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Look to the province, and other levels of government, to help provide more support in searching for solutions to various problems.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Design for reparability and recyclability	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Encourage or regulate manufacturers to reduce their footprint and minimize consumer packaging.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Instead of depending entirely on the consumer to do the recycling, those unrecylable containers should never be allowed in the first place to be used by food companies. In fact, unrecyclable containers and items should NEVER BE MADE in the first place!!!!	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Consider a little baby at home: most parents would not give the baby access to poisons or in-nutritious foods or broken/dangerous toys/objects with which to play/put in it's mouth/chew on/hurt himself, etc……exactly the same situation: DO NOT MAKE/PROVIDE/SELL ANY PRODUCT that is harmful to the environment!! PURE AND SIMPLE, IS IT NOT???!	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
I will shoot out a friendly rebuke to that… consumers and retailers all now the goal is waste reduction and have been given every opportunity to make it happen. Here we are, in 2024, and we are deep into a climate emergency. My thinking has shifted; voluntary action has had its day in the sun and we need regulation. I totally agree, we need more government regulations in terms of what packaging can be used, and also preventing over packaged products from being sold.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
(Learn from the past). The Victorians always recycled everything, before plastic was invented, we should do some research into their practices	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
I would like to see on everything that can't be recycled, have a small blue dot for blue bin, black dot for black bin, green dot for green bin. It's easy, anyone can see that.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.

IDEA	Strategy Option	ID	Action Option
I'm prepared to accept the world as it is and not the way it could be, and say; what do we do with this stuff, as opposed to changing everyone's behaviour? If you charge them for it - we now have a system for it. There's all these things on which there's a 10 cent deposit. There are many things that are identical that you don't have a deposit on, like a Litre carton of milk, a litre carton of cream does not, but it's the same kind of thing in terms of the waste at the end of it. The Litter Act deposit law, originally in Vancouver, was thinking of things you might use away from the home and use on the street, that would be leftover. The deposit is a leftover of that thinking from 40 years go. Some identical packaging, and some have a deposit and some don't. Of course, if you put the refundable stuff out in the lane, together with the blue box or separately to make it easier for people to get them, the binners take them away. Was starting to think of this as - the way miners think of ore concentrators and smelters; the ore is all this stuff spread out in the lanes of the city, and the concentrators are the binners, they dig all the stuff and take it in one giant bag to get back a dime, and they concentrate them at the depots, which then sorts them into aluminum, glass, etc.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
A lot of companies that make plastic develop new plastics for patent purposes; the government should restrain that and say, if you come up with a new plastic, you have to demonstrate that it can be economically recycled, otherwise you can't make it. That would help a lot. Eliminate single-use plastic. Create an education system about how plastics can be reused safely. E.g. 3D printing uses plastics; if they make items like hard shell cases that can be ground up and used in 3d printers, that'd be great. Plastic itself is not evil, it's that our waste of it is bad. Report for Master Recycler Vancouver's Collaborative	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
What is Metro Vancouver's authority in regulating the sale of goods? And the province, what are the barriers they have in sales prevention for different items? E.g. fast fashion, plastics. Prevent the sale of wasteful products.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
What was just said about the blue bin being a barrier to people actually making better decisions about what they buy - What was said about getting STATISTICS, for ME, seeing the statistics about how POORLY we are doing with the amount of recycling, and how recycling is NOT the answer - I think this makes people think twice about what they buy. If we are giving statistics that say ; ah, this much is recycled, isn't that great? Then people will be buying things that are recyclable because they think it's getting taken care of. But if i see a static that says 9% or even 20% and THEREFORE please don't buy things that are plastic, i might look for another option, look more strongly for another option	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Avoid the pattern of downloading many programs and initiatives to municipalities, maintain an aligned approach across levels of government.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Gap - Awareness to action falling on individual municipalities, Metro Vancouver can better support them and encourage practical action.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Regional districts should work together when it comes to advocacy at provincial and federal levels	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Example: Bought flowers and the flowers come in plastic wrap that could go back to store.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
More legislations on producers to make more sustainable packaging	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Flip the prices around. Ay less to get the good stuff and make it more expensive to buy the cheap stuff .	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Make it less expensive to do the right thing. Enforce a deduction or incentive to do the right by recycling efforts. E.g. Invest in a collection service, or flip the prices around. Pay less to get the good stuff and make it more expensive to buy the cheap stuff.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Metro Vancouver take the lead on advocating for policy change with senior levels of government, with support from member jurisdictions	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Encourage Product design for modularity, reuse recycle (according to pollution hierarchy)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Use the NZWC as a way to develop model policy and work federally/provincially to have them enacted (like ZW Europe does)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Use NZWC and other avenues to build collective support for key goals and actions at provincial and federal levels	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
How are we combating green washing	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Symbols/labels on wrappers – not clear on where things go. Need more labels	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Review what's in the waste stream, then tailor reuse and repair based on what can be moved, back it with policy and don't limit to looking through the lens of EPR.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Industry to develop their strategy in reduce/reuse targets with guidance from govt. eg. defining "highest use"	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Require reporting when it comes to waste as we do with emissions. Policy on producers so they have to provide reporting and then give incentive	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Mandating product transparency: Requiring producers to disclose the composition of their products, including recycled content and potential for recyclability, to empower consumers to make informed purchasing decisions.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Product responsibility should shift upstream to reduce consumer decision burdens.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.

IDEA	Strategy Option	ID	Action Option
Prevent companies from creating things designed to break	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Regulations on low quality/durability products, while maintaining affordability	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Higher-level government engagement is needed to push through logical but blocked agendas.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Update regulations to require QR codes on products that lead to information about how to recycle or repair the product	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Encourage easily-recyclable designs for products for example all made from same components	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Influence policies on end uses (such as wood pellets)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Support federal and provincial tools that support the first 3 Rs of the ZW hierarchy and EPR	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Push for right to repair, mandatory repair options for key items (ties into inclusive)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Ease of Access and Convenience: Simplify the recycling process by standardizing bins, composting rules, and product labeling.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Introduce barcodes or QR codes on products to indicate recycling instructions. Expand the number of recycling depots and make them more user-friendly, clean, and safe. Partner with supermarkets to allow bottle returns and offer coupons as incentives.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Enhancing producer responsibility: Advocating for robust Extended Producer Responsibility (EPR) programs that incentivize manufacturers to design for recyclability, incorporate recycled content, and implement take-back schemes for their products.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Support restrictions on plastic waste exports to countries that do not have proper recycling and disposal infrastructure to meet emerging international plastic recycling standards, nor equivalent health, safety and environmental standards	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Government policies that BAN “crappy” fast fashion	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Make recyclable items more readily available.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Promoting lower consumption and holding brands accountable for their products, post consumer	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Structural issues in waste management and recycling economics need addressing. Examples include ensuring recycled plastics’ prices are competitive with raw materials.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Eliminate the export of waste to other regions and countries.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Reduce imports of goods from countries that don’t follow waste reduction rules.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Government Collaboration: Secure fair funding from municipal, provincial, and federal governments to support sustainable solid waste management initiatives.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Share information and data with other levels of government. Continue to share input, information and data with other levels of government to strengthen existing policy and help develop new policy aligned with the waste hierarchy and circular economy	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
principles. For example, on topics such as right to repair, circular textiles, salvaged building materials, recycled content, and reusable cup and container borrowing.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
So, the styrofoam, the plastic packaging, makes her feel torn. Glad to have the food and to divert it, but still carting off a whole lot of plastic and a whole lot of styrofoam, don't know what the solution is there.	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Work collectively with RDs/Prov/Fed on what changes are needed regarding policies that support wasting -liability (for reuse/repair) and insurance (requirements to throw away everything after a disaster)	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Ban misleading marketing like "flushable" wipes	**1.1. Advocate for circular economy policies**	ID004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
Appy circular economy principles to net zero retrofits	**1.1. Advocate for circular economy policies**	ID005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
Look into embodied carbon. Carbon accounting and credits could incentivize the deconstruction and reuse cases.	**1.1. Advocate for circular economy policies**	ID005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
Integration of Circularity into Policies and Codes: Suggestions included leveraging adaptive reuse and design-for-disassembly principles in policy frameworks, such as template designs or provincial initiatives, to scale adoption across jurisdictions	**1.1. Advocate for circular economy policies**	ID005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
Incorporate embodied emissions into the BC Building Code	**1.1. Advocate for circular economy policies**	ID005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
Push for building codes to consider disassembly, repair, flexibility of use, deconstruction and embodied carbon	**1.1. Advocate for circular economy policies**	ID005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
Design for Disassembly/Adaptability	**1.1. Advocate for circular economy policies**	ID005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
Provincial Government to expand the inclusion of the reuse of wood in building codes.	**1.1. Advocate for circular economy policies**	ID005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.

IDEA	Strategy Option	ID	Action Option
develop model deonstruction, design-for-disassembly, and adaptive reuse by-laws and policies for member jurisdictions to adopt	**1.1. Advocate for circular economy policies**	ID005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
Fully use and optimize existing buildings through shared and mixed use	**1.1. Advocate for circular economy policies**	ID005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
Encourage municipalities to require waste management plans with business licenses	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Fast-track permitting processes for businesses with circular economy practices	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Require waste diversion plans for food businesses	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Make organic collection mandatory in all sectors, including MF , and consider penalties as a tool to facilitate diversion	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Improve management of data concerning residual material management, a results-driven approach is key to being able to design and orient operational programs, measure their progress and mobilize the players concerned, particularly municipal organizations and ICI actors	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Regulate producers, regulate uses through zoning to not perpetuate waste, better is not more, (In response to Thinking of how we purchase, use, reuse, repurpose, recvcle and throw things away in the region, what could be better in the future than it is today?)	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Incentives for recycling and waste reduction: single use takeout containers – how can businesses be incentivized, how can consumers support alternatives	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Incentives for recycling and waste reduction – for businesses and individuals	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
- Believe that people would be more inclined to recycle if there were incentives	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
- Recycling is hard for people to commit to when they live busy lives and there is no perceived benefit to making extra effort	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Incentives for recycling and waste reduction – for businesses and individuals, because I've seen firsthand how incentives and regulation create needed change at scale, and shift the general status quo.	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
More incentives for businesses to reduce waste.	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Incentives for recycling and waste reduction: We need to motivate businesses and individuals to recycle.	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Metro Vancouver should consider implementing incentives and rewards for businesses that comply with waste reduction policies, and develop a reporting system for businesses to track and report their waste reduction efforts, with rewards or penalties based on compliance	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Bylaws should say you have to have the services or a self-haul system in place in order to get a business license.	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Provide incentives such as tax breaks to zero-waste businesses	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Prioritize licensing programs for businesses that are actively investing in new technology – help protect businesses willing to take financial risk.	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Encourage requirements for zero waste plans as part of business licensing in member munis + provide support (can start sector by sector)	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Get commitments from member municipalities to roll out supportive bylaws and systems	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
More transparency from junk removal companies (where do products go)	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Offer financial incentives, such as grants or tax breaks, to offset costs associated with sustainable practices.	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Improve reporting /accountability:	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Vancouver Food Policy Council's Food Waste Reporting motion (2022) Haulers should be required to report data to Metro Vancouver	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Data isn't perfect but exists so let's share it and be transparent	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Explore tactics to target food waste at source for businesses	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Require waste reduction plan/food waste data to get a business licence	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Have incentives to drive the organic materials into the compost stream	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Work to remove organics from garbage. Food Waste Disposed: 62% Residential / 38% Commercial Food Waste Recycled: split unknown.	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Require carbon footprint reporting for businesses of a certain size	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Incentives for companies that follow best practices and penalties for those that don't	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.

IDEA	Strategy Option	ID	Action Option
Mandatory Reporting: Require businesses to report solid waste reduction strategies and their progress toward sustainability goals.	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Mandatory Waste Reduction Targets: Introduce regulations requiring corporations to meet specific waste reduction and sustainability goals within a set timeline.	**1.1. Advocate for circular economy policies**	ID006	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
Advocate for regulations that support avoiding food waste	**1.1. Advocate for circular economy policies**	ID090	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular food systems
provide business and consumer education on date labels	**1.1. Advocate for circular economy policies**	ID090	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular food systems.
There is interest in delivery of education on sustainability practices for reducing, reusing, recycling, composting and minimizing. Also there is an interest in promoting access to ethical and durable products through partnering with industry.	**1.1. Advocate for circular economy policies**	ID003	Advocate for regulatory approaches that prevent waste through implementation of low carbon, circular design and business models.
Work with local governments to identify the need for solid waste facilities and zoning for waste management activities	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Promote salvage and deconstruction for reusable building	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
materials - support establishing a salvage lumber warehouse or network ofreusable lumber processors and retailers.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Identify disposal sites for the DLC waste remaining after recycling that will be available when existing disposal facilities reach their capacity.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Ensure industrial zoning does not prohibit the prefabrication industry	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
establish a storage site for salvaged materials, provide on-site certification of materials and training programs for builders to work with reclaimed/reused materials	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
focus on C&D hubs - space dedicated for materials push to include deconstructed materials inprocurement and in building codes (also recycled asphalt in roads!)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
City could consider controlling the amount of fast fashion stores or big brand department store in the city. Focus on promoting local consignment stores.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Need to protect the land available for facilities and transfer locations, space to sort recyclables, etc.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
There is a lot of pressure around land use	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Infrastructure to provide space for reuse is very valuable – for example Urban Repurpose.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Different types of bins at construction sites would be helpful for sorting at source, but usually there isn't the required footprint to facilitate	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Metro Vancouver working with municipalities on licencing of organics processing facilities. Expedite process or other incentives. Partnerships to find beneficial uses	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
An increase in the removal of single family homes as a result of densification will require space to store and process recoverable materials	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Preserve light industrial land supply or plan ahead to acquire lands for future facilities.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Identify industrial lands available to support new facility/depot development	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Land availability and cost: Securing affordable land for recycling depots, transfer stations, and resource recovery facilities, particularly in densely populated urban areas, poses a significant challenge.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
The concept is to have a centralized hub to share equipment from different industries and companies (such as laboratories) to facilitate reuse rather than purchasing new equipment.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
This type of hub could categorize items into different types and classifications, as well as condition and usage.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Set up systems to address costs of material storage (can be using public land, providing support or other tools)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Address costs of material storage	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Facilitate land for receiving facility use (recycling, reuse, etc.) with industrial rezoning and cost reductions	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Protect industrial zoning designations, to facilitate investment and encourage recycling start ups.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Open land uses to recycling (may be residual waste)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
There are limited options for recovering C&D waste -- either take an enhanced role at receiving additional C&D waste for recycling at facilities or investigate where the private sector can help fill in the gaps in the system.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID007	Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations.
Develop an internal zero waste plan for the corporation	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID009	Integrate additional waste prevention policies and programs within Metro Vancouver's operations.
Create a corporate circular economy policy	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID009	Integrate additional waste prevention policies and programs within Metro Vancouver's operations.

IDEA	Strategy Option	ID	Action Option
Develop a Corporate Strategy to Increase Waste Reduction, Reuse and Recycling	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID009	Integrate additional waste prevention policies and programs within Metro Vancouver's operations.
Develop a Circular Economy Strategy & Implementation	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID009	Integrate additional waste prevention policies and programs within Metro Vancouver's operations.
Promote a circular economy brand	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID010	Share regional learnings in rethinking and preventing waste in Metro Vancouver's operation and delivery of solid waste management and planning.
Look toward using what is unique about our region to our advantage (land, geographies, topography, etc.)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID010	Share regional learnings in rethinking and preventing waste in Metro Vancouver's operation and delivery of solid waste management and planning.
Positioning Metro Vancouver as a global leader in the circular economy could be beneficial: if we're not a leader, then we won't be able to leverage the market opportunities from leading in this area.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID010	Share regional learnings in rethinking and preventing waste in Metro Vancouver's operation and delivery of solid waste management and planning.
On an international scale, raising the profile of cities like Vancouver and challenging processes of large entities is essential.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID010	Share regional learnings in rethinking and preventing waste in Metro Vancouver's operation and delivery of solid waste management and planning.
Metro Vancouver should work with chambers of commerce to ensure SMEs are not overlooked in the circular economy shift.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID011	Explore collaborations with entities such as chambers of commerce to equip small and medium-sized enterprises with practical guidance to successfully transition to a circular economy.
Partnerships with the BC Chamber of Commerce or Greater Vancouver Board of Trade to provide resources and guidance to SMEs.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID011	Explore collaborations with entities such as chambers of commerce to equip small and medium-sized enterprises with practical guidance to successfully transition to a circular economy.
Collaborations with Businesses and Brands: Partner with major brands (e.g., Lululemon, Starbucks) to offer incentives like discounts or coupons for recycling, reusing, or reducing waste. Work with local merchants to enforce ESG (Environmental, Social, and Governance) efforts, such as promoting reusable cups or clothing donations.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID011	Explore collaborations with entities such as chambers of commerce to equip small and medium-sized enterprises with practical guidance to successfully transition to a circular economy.
Develop programs to encourage businesses to participate in a circular economy.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID011	Explore collaborations with entities such as chambers of commerce to equip small and medium-sized enterprises with practical guidance to successfully transition to a circular economy.
Metro Vancouver should focus on the whole lifecycle of waste as it engages with the public - e.g. collaborate with companies who are working on reducing plastic, educating distributors, educating consumers	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID011	Explore collaborations with entities such as chambers of commerce to equip small and medium-sized enterprises with practical guidance to successfully transition to a circular economy.
Encourage businesses to adopt zero-waste production methods powered by renewable energy sources like solar, wind, and geothermal.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID011	Explore collaborations with entities such as chambers of commerce to equip small and medium-sized enterprises with practical guidance to successfully transition to a circular economy.
Cross-sectional map so people can get connected.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
Use the ZW Conference as a way to workshop and build support for local solutions and ideas, creating task forces for key policies	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
Cross-industry engagement—learn from businesses that have effectively and efficiently advanced their recycling/waste reduction plans and provide that information to local industry groups	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
Stimulate and consolidate the circular economy by creating networks between businesses, stores and community organizations.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
Support initiatives similar to the industrial symbiosis program to find alternative end markets.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
New initiative: Industrial symbiosis is a collaborative approach where different industries work together to use each other's by-products and waste materials as resources. Here are some key aspects and benefits of industrial symbiosis: 1. Resource Exchange: Companies exchange materials, energy, water, and by-products. For example, the waste heat from one factory can be used to power another facility. 2. Geographic Proximity: While not always necessary, having industries located close to each other can facilitate easier and more efficient exchanges. 3. Economic and Environmental Benefits: By using each other's waste, companies can reduce costs and minimize environmental impact. This leads to more sustainable industrial practices. 4. Examples of Industrial Symbiosis: o Kalundborg, Denmark: One of the most famous examples, where multiple companies share resources like steam, water, and waste materials, creating a highly efficient industrial ecosystem2. o Eco-Industrial Parks: These are designed to promote industrial symbiosis by clustering businesses that can benefit from each other's by-products and waste streams. 5. Collaboration and Innovation: Industrial symbiosis encourages companies to collaborate and innovate, finding new ways to use waste materials and improve processes. 6. Policy Support: Governments can support industrial symbiosis through policies and incentives that encourage resource sharing and waste reduction.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
Industrial Symbiosis Initiatives: Facilitate collaborations between industries to reuse by-products and waste materials as resources, reducing costs and environmental impact. Promote eco-industrial parks and government policies that support resource sharing and sustainable practices.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
Exploring how waste can be someone else's value through collaborations between businesses, suppliers, and organizations.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
Shared spaces to bring communities together - physical and digital spaces, both industry and customers brought together (B2B, B2C)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
Metro Vancouver should collaborate with educational institutions in the region, such as UBC, SFU, BCIT and Emily Carr University, to foster a shared knowledge base and provide training for circular economy principles.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID013	Assess education programs and collaborate with post-secondary institutions and professional development programs across various sectors to enhance circular economy training offered.

IDEA	Strategy Option	ID	Action Option
We need an interdisciplinary approach beyond engineers to include planners, entrepreneurs and innovators; collaborate with industry and allies in economic development spaces, not just solid waste. Influence product design and purchasing. Local governments can play a convener role and add resources, and create a policy statement toward upstream solutions.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID014	Work collaboratively with economic development agencies to implement circular business solutions that support waste prevention innovation and support a prosperous region.
Attract Strategic investment Apparel, Green Building, Agritech, Environmental Consulting, Sustainability Services	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID014	Work collaboratively with economic development agencies to implement circular business solutions that support waste prevention innovation and support a prosperous region.
Explore design for disassembly carbon credit directly funding space for innovative design and/or deconstruction	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Promote green building standards	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Encourage design standards and practices that minimize waste	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Provide funding, financial incentives for innovative projects, collaborations, and research advancing wood circularity	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Work with Planning & Design to develop an incentive program with expedited process or lower fees for development permits or reduced taxes for green design.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Encourage circular and adaptable design, and design for disassembly	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Encourage the Government of BC to look at cleanBC funding for wood reuse innovation	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Strengthen reuse markets for building materials	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Requiring or incenting the use of salvaged material in new builds. .	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Provide funding, financial incentives for innovative projects, collaborations, and research advancing wood circularity	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Encourage policies that support the construction of tiny houses, as potential market for reclaimed wood and affordable housing options (advocate to include tiny houses as an acceptable housing option within municipalities)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Expand funding opportunities for construction of tiny houses	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Investment in new technologies for recycling depots that handle C&D waste, such as use of AI in robotics (Urban Machine)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Host or work with a non-profit (e.g. RCBC) to host an annual zero waste awards event that recognizes the achievements of individuals, businesses and community organizations	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Support C&D materials reuse and deconstruction inovations with a grants program	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Incentivize circular business practices within the construction industry	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Embed circular construction practices	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Invest upstream to design waste out of the system.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Build less by maximizing the use of existing assets, design for long lasting and reusable buildings	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Alternative technologies to manage C&D waste are 5-10 years away, and this issue is pressing now	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Encourage redesign and enhance accountability for future manufacturing and construction.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Construction & Demolition waste is a key sector to work together on, as businesses and materials move between our regional districts	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Chopping down wood into smaller pieces to get it into a hopper. How to get the wood to reuse BEFORE it gets to that point? Need to change on-site logistics to stop things from becoming waste, change the process and divert more.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Create framework for building disassembly and reuse	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Developing / improving building codes for improved recycling areas; create best practices that can be applied across new building designs.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Grants to help offset the additional time and costs associated with installing used building materials into projects	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Innovation to improve affordability of reuse and increase scale (e.g. denailing robot)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Encourage prefabricated construction practices	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
Incentives to encourage wood recycling and reuse of products in new builds	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.

IDEA	Strategy Option	ID	Action Option
Advance gleaning on regional farms	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID016	Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.
Shared a comment from community member regarding higher quality products not being an affordable option so lower quality products that do not last and create waste are usually chosen.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID016	Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.
This is crazy but I think if we make a statue out of compost and mushed and mixed it together and make blocks and stack them like a tower it would be safe and reused.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID016	Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.
Advocate for stronger leadership from politicians about preventing waste and raising awareness of costs of waste	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID016	Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.
Improve systems to ensure the utility of outputs (end-use markets). Explore funding from a variety of sources including provincial/federal grants, solid waste fees, private sector partnership, innovation fund, etc.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID016	Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.
Too Good To Go app - this might be a good way to sell things at a lower cost. What do grocery stores do with their produce and leftover items? If not everyone is able to afford items, the grocery stores send it but someone mentioned once how certain organizations in town are able to accept food donations if they are past expiry. Trying to wrap my head around grocery stores and food waste. Clothing stores, gift stores, offices and their swag - it's not very useful but it's for advertisement. Can we hand out chocolate or chips instead to eliminate waste.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID016	Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.
Some type of funding mechanism for food recovery organizations to maintain their operations	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID016	Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.
Host events with different sectors to understand the current and potential future abilities to provide circular products and services	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID031	Host events with different sectors to understand the current and potential future abilities to provide circular products and services
Attend community/business events as exhibitors to showcase what Metro Vancouver is doing and further educate the community	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID041	Identify and work with industry event organizers to include circular built environment success stories, communication, and learning sessions that promote waste prevention in their industry communications and learning sessions
Funding and advocacy for deconstruction training. Certified deconstruction contractor program	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID042	Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low-waste built environment, such as design for disassembly.
Support deconstruction workforce training program for residential and commercial deconstruction	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID042	Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low-waste built environment, such as design for disassembly.
Support deconstruction workforce training program for residential and commercial deconstruction	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID042	Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low-waste built environment, such as design for disassembly.
Research the skills gap for growing repair, remanufacture, refurbish industries	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID042	Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low-waste built environment, such as design for disassembly.
Support greater uptake of green skills, training, and development opportunities	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID042	Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low-waste built environment, such as design for disassembly.
We might not be ready for such a policy, with a lack of available workforce and contractors. Might work best to start any sort of mandate or incentives with a smaller area to gather data and demonstrate the opportunity	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID042	Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low-waste built environment, such as design for disassembly.
Support capacity building (education) in the industry	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID042	Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low-waste built environment, such as design for disassembly.
Job Creation Program: Develop programs focused on hiring local workers, especially youth, seniors, and marginalized groups, for roles in solid waste management, education, and outreach.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID042	Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low-waste built environment, such as design for disassembly.
Implement a comprehensive information and events platform, such as www.buildingoutwaste.co.nz to help the private sector reduce C&D waste	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID043	Update and maintain the Metro Vancouver Construction and Demolition Waste Reduction Toolkit starting with updated case studies that follow a case study template developed collaboratively with industry and member jurisdictions.
A more detailed plan for the construction industry related to hazardous materials is necessary.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID043	Update and maintain the Metro Vancouver Construction and Demolition Waste Reduction Toolkit starting with updated case studies that follow a case study template developed collaboratively with industry and member jurisdictions.
Make it easier for people on demolition sites to separate materials	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID043	Update and maintain the Metro Vancouver Construction and Demolition Waste Reduction Toolkit starting with updated case studies that follow a case study template developed collaboratively with industry and member jurisdictions.
Build a case study library for reuse	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID043	Update and maintain the Metro Vancouver Construction and Demolition Waste Reduction Toolkit starting with updated case studies that follow a case study template developed collaboratively with industry and member jurisdictions.
Explore secondary markets outside of building materials such as furniture and exhibit booths at trade shows	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Review existing DLC recycling and processing capacity, project future needs and develop a strategy to address any identified gaps.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Member jurisdictions will partner with Metro Vancouver in support of waste reduction actions that support a more regional circular economy.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID070	Member jurisdictions will partner with Metro Vancouver in support of waste reduction actions that support a more regional circular economy.
Metro Vancouver should establish a commercial kitchen/food hub to process surplus food into mealsand provide job skills training around food waste prevention and cooking with surplus food	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID074	Work with trade schools, industry associations, practitioners, and senior government to identify and implement solutions to fill skills training gaps required to scale a circular food system.
Metro Vancouver should support with developing a training or certification on food waste preventionand reduction for those in the food industry.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID074	Work with trade schools, industry associations, practitioners, and senior government to identify and implement solutions to fill skills training gaps required to scale a circular food system.

IDEA	Strategy Option	ID	Action Option
Enhance K-12 school program to include concepts of zero waste and the circular economy	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Collaborate with schools to implement circular volunteer programs to encourage circular economy principles among youth in the community	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Partner with organizations to engage youth in leadership opportunities for social, economic and environmental issues related to garbage and recycling	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Provide culturally responsive and developmentally appropriate school-based education programs about the connections between consumer products, people and nature	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Work with school districts and individual schools to promote waste reduction and recycling.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Carry out a community-based social marketing campaign to determine and overcome barriers to reducing the use of and increasing the recycling of paper in schools and community facilities.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Education and behaviour change: work with younger kids, get them familiar with concepts like circular economy – might be more effective than trying to solve the issue later	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
In terms of principle to engage people in the solutions, consider how to bring natures voice to the table. How do we do that: '-Create training and understanding for staff with the expertise to bring natures voice to the table. -Include youth and future generations. -Ensure the inclusion of Indigenous and environmental groups, e.g. BC Nature, SPEC. -Streamkeepers – Stream stewards	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Education In schools and school programs to support teachers	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Mandate the Recycling and Global warming program in school Curriculum and recommended credits to take for the Post Secondary Education!	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Public education campaigns, workshops or school programs to teach proper recycling practices, the benefits of recycling, and the lifecycle of recyclables	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Engage children through schools to influence household behaviours	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Improve school based education: -Host workshops and info sessions on waste reduction -Add more clean-up programs for schools -Share instruction and promote how to recycle food waste – posters, videos, etc.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
At school: Increase visibility/accessibility to recycle by having waste bins in more visible areas	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Send presenters to schools to educate kids directly	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Education by itself is usually not enough, it has to come with involving kids in schools, showing examples on the streets, in the shops, in the grocery stores, There needs to be a lot of different things, messages, programs and places.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Educating the children, getting it in the school system, so that kids can educate their families	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Tables at schools and highschools, especially because those are the ones who will become the adults of the future	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
We have to teach the teachers. I am always having to teach the teachers, it drives me CRAZY how many adults do not know. There's a lot of people I would give up on at this point.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Collaboration with non-profit organizations, schools, and youth organizations to help implement the solid waste management plan	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Education and public awareness: Participants emphasized the need for continuous and targeted education campaigns involving schools, community groups, and producers to promote responsible waste management practices.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Teach waste reduction and recycling at a young age—build mindfulness from an early stage	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Who could instruct? Be an educator on these issues	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Schools - Culture of sustainability; Targeting young generations through workshops. Initiative to connect larger community with the school (waste management stewardship)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Presentations at school, done for all classes to spread the word. Since students are "forced" to be here	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Garbage sorting duty, rotated through the classes at school	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
More high school workshops. Add on activities to make it fun	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Field trips for high school students	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Implement early education interventions.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Schools - changing cultural norms, have 'Recycling ambassadors' to help build cultural awareness	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.

IDEA	Strategy Option	ID	Action Option
For high schools without environment clubs, it's hard to start one. Should be more opportunities to give projects/ building blocks to those schools to start. Advertise opportunities for clubs to join together and network	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Allow schools/citizen to join tour/volunteer at recycling facilities to raise awareness and trust	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Organize events or tours of recycling centres for citizens, schools, and volunteers to raise awareness and trust.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Collaborate with universities (UBC/ SFU/ Capilano etc.) and schools; incorporate better education on waste management for schoolchildren and university students; visits to landfills and recycling centres/ depots - actually understanding what happens to the waste, what happens when you recycle, why it's better to buy less etc.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Collaborations with Educational Institutions: Work with universities (e.g., UBC, SFU) and schools to incorporate waste management education. Organize visits to recycling centres and landfills to help students and the public understand the recycling process and benefits.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Implement guest speakers and school presentations on how to separate waste.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Support schools to provide education on where materials end up	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Increase Public Awareness: Leverage social media, building posters, and strata communication to educate the public. Host workshops, particularly for newcomers, to build understanding of the recycling system. Focus on education in schools to instill civic awareness from a young age.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Engagement with Schools and Educational Institutions: Work with schools to integrate recycling education into the curriculum, ensuring consistent learning for students from Grades 1-9. Organize school-wide recycling or zero-waste days to teach students hands-on practices. Partner with universities and colleges to host sustainability campaigns or events.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Schools have designed a lot of efficiencies for recycling, and have success, particular in elementary that is noticeable compared to other institutions (can be a model for other places, and/or can look at options to expand on these behaviours)	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Teaching, educating around textile waste, making sure new systems are shared so teachers and the public are up to date	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Meeting with home ec teachers telling them that food and fabric the forefront of waste issues in Vancouver - BRING THEM ON BOARD to give students knowledge of value of garments and food	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Engage youth through educational programs to build a culture of recycling early on.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Focus on education: Target youth education in schools to instill recycling habits early.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Invest in education	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
Develop circular certification programs to create community pride	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID088	Develop circular certification programs for business.
When it comes to prevention, I go back to the guiding principles a bit here and thinking about the guiding principle that speaks to incentivizing retailers. If the options are unsavoury - do I really want to OWN this piece of packaging right now? I really don't, I would like another option please. A way to regulate or restrict packaging at a retail level, and incentivize retailers to ensure there are package-free options that are readily available. That would go a long way to giving those of us who are willing or seeking to make the package-free choice; go a long way to that reduction and prevention in the first place	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID088	Develop circular certification programs for business.
Highlight Recycling Benefits and Best Practices: Recognize businesses with sustainable practices using a rating system (e.g., badges).	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID088	Develop circular certification programs for business.
Stewardship agencies have done effective public messaging campaigns, which could be a model to follow. Building pride in BC's higher recycling rates could keep residents motivated.	**1.2 Support the transition to a more circular regional economy through waste prevention**	ID088	Develop circular certification programs for business.
Work across sectors and levels of government to improve policies: Align with: Waste prevention policies (National Zero Waste Council), Food policies (e.g. Regional Planning work on Food Systems), Climate policies (e.g. Climate 2050 to include food waste)	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID019	Continue to facilitate sharing with member jurisdictions through regularly scheduled advisory committee meetings. Through these committees, host workshops and learning sessions with member jurisdiction staff on priority topics.
Strengthen partnerships with municipalities and ensure coordinated communication.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID019	Continue to facilitate sharing with member jurisdictions through regularly scheduled advisory committee meetings. Through these committees, host workshops and learning sessions with member jurisdiction staff on priority topics.
Create online collaboration site for members. Metro Vancouver could help municipalities to collaborate more strategically by creating online infrastructure for sharing information and communicating. For example, a Sharepoint site or Teams channel that municipal staff can be given access to edit and upload documents. This kind of digital infrastructure would help to support effective collaboration on topics such as construction and demolition waste, where inter-municipal working groups have already been developed. To manage risks around data sharing, a training module could be developed that staff must complete before getting access. This concept could also be scaled up to the national level by creating a Sharepoint site or Teams channel hosted by National Zero Waste Council, with municipal staff and other stakeholder participants from across Canada.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID019	Continue to facilitate sharing with member jurisdictions through regularly scheduled advisory committee meetings. Through these committees, host workshops and learning sessions with member jurisdiction staff on priority topics.

IDEA	Strategy Option	ID	Action Option
Deliver workshop for municipal staff on opportunities to engage other levels of government. Metro Vancouver could help municipalities to understand and navigate the options for sharing data, information and input with other levels of government by developing a workshop for municipal staff wherein local subject matter experts describe the various processes that exist for engaging the Province of BC and Government of **Canada (for example, UBCM and FCM, formal consultation processes, etc.), and share examples from past experiences. Metro Vancouver staff could lead the planning and facilitation of this kind of workshop, and also help to compile examples into documented case studies. Workshop resources and case studies could be made available through the Sharepoint site or Teams channel described above.**	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID019	Continue to facilitate sharing with member jurisdictions through regularly scheduled advisory committee meetings. Through these committees, host workshops and learning sessions with member jurisdiction staff on priority topics.
Facilitate discussion sessions with municipal staff to advance priority action areas. Metro Vancouver could help municipal staff to collaborate and problem solve by scheduling and facilitating discussion sessions focused on various priority actions areas. These collaboration and problem solving conversations could be scheduled as part of regular REAC SWSC meetings, or as separate stand-alone meetings. Topics could be suggested and selected using the online collaboration site described above.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID019	Continue to facilitate sharing with member jurisdictions through regularly scheduled advisory committee meetings. Through these committees, host workshops and learning sessions with member jurisdiction staff on priority topics.
Publish a jurisdiction scan that identifies leading practices for reducing waste and transitioning to a circular economy. Equipping members and other stakeholders with this information helps to create awareness of what's possible and encourage discussion about what policies can be adapted for our region. This information would support stakeholders with providing feedback on what actions to include in the updated solid waste management plan for the region.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID019	Continue to facilitate sharing with member jurisdictions through regularly scheduled advisory committee meetings. Through these committees, host workshops and learning sessions with member jurisdiction staff on priority topics.
Support digital passports for materials	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID022	Collaborate with governments, industry, and technology partners to develop digital tools that map how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials for reuse.
Ensure regional waste flow data disclosure for C&D materials	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID022	Collaborate with governments, industry, and technology partners to develop digital tools that map how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials for reuse.
Conduct in-depth material flow analysis for priority sectors/material streams (food and construction)	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID022	Collaborate with governments, industry, and technology partners to develop digital tools that map how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials for reuse.
conduct food waste and C&D waste flows to determine hot spots and strategic solution points	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID022	Collaborate with governments, industry, and technology partners to develop digital tools that map how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials for reuse.
Better understanding of material flows to help evaluate and plan	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID022	Collaborate with governments, industry, and technology partners to develop digital tools that map how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials for reuse.
Collaboration with Municipalities: Encouraging producers to partner with municipalities to raise awareness about recycling programs, provide convenient collection options, and support more repair and reuse initiatives. Metro Vancouver leading this type of collaboration would be a great benefit for the entire industry.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID022	Collaborate with governments, industry, and technology partners to develop digital tools that map how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials for reuse.
Reduce plastic bags	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Ban styrofoam	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Collaborate with external groups to identify new circular economy initiatives in the community	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Continue the conversation past the solid waste management plan update.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Create a joint task force for interdisciplinary approach to solid waste across disciplines and sectors, be part of a broader approach that ties into broader ecosystem health, hydrological systems, and use of Indigenous traditional knowledge.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Support for industry associations: Providing ongoing support for organizations like CWMA that facilitate knowledge sharing, best practice dissemination, and collaborative initiatives.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Facilitate a collaboration between local farmers, local food deliveries, and DTES to reduce carbon footprint.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
There is a lack of diversity in this space. We need to mobilize and increase inclusion with meaning and purpose	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Building with waste products, getting the waste from fashion connected with artists or organizations that can use them.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Weave it into the waste that is being produced and create new opportunities for people to express themselves	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Stakeholder Coordination: Establish a collaborative task force involving municipal governments, private waste management companies, and community organizations to ensure alignment and adaptability.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Need more of the businesses like Chopped Value to use these materials in an innovative way.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
More circular systems are needed. For example, compost should be reintegrated into local systems to promote local sourcing.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
A centralized hub for sharing best practices is key. It would encourage conversations between groups that might not otherwise connect. A space for exchanging ideas on what's working and what would not encourage innovation.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Host a design charrette that invites stakeholders to create a circular economy plan with the condition that landfilling and incineration are prohibited. This desktop exercise would help to unlock creativity and break down assumptions about what's possible, and conceive of systems change that addresses the climate emergency, global plastic pollution, and other urgent environmental issues.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Mutual Aid Networks: Foster a culture of community support where individuals assist neighbors with waste sorting or disposal, especially those facing barriers.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Our problems are not unique we can consider other countries' best practices when considering solutions to our own waste management challenges in the region.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID018	Continue to learn from circular economy and waste prevention leaders.

IDEA	Strategy Option	ID	Action Option
Look to tested solutions, such as organics in Edmonton, for solid waste infrastructure strategies.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID018	Continue to learn from circular economy and waste prevention leaders.
Sister city project, Metro Vancouver could do an exchange of ideas with another city/region with a focus on waste.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID018	Continue to learn from circular economy and waste prevention leaders.
I think for me - educate kids and look around the world to see what's working in other places	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID018	Continue to learn from circular economy and waste prevention leaders.
A Sister City project. Metro Vancouver could exchange ideas with another city/region with a focus on waste.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID018	Continue to learn from circular economy and waste prevention leaders.
Prioritizing resource recovery: Identifying and focusing on high-value materials that can be diverted from landfills and reintegrated into the economy. This includes exploring international best practices for resource recovery and innovative solutions.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID018	Continue to learn from circular economy and waste prevention leaders.
Facilitating cross-sector partnerships: Building strong collaborations between municipalities, First Nations communities, businesses, non-profit organizations, and research institutions to share knowledge, resources, and best practices.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Research successful jurisdictions	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Collaboration with academia on climate issues and consumer behaviour change	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Platform for data sharing and reporting between member jurisdictions to improve coordination; library of case studies; dedicated working sessions; guest speakers from outside of the region.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Research and keep up to date with emerging non-profits that bring new technology, programs, or capacity for collaborations	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Investing in research and development: Supporting research and development projects focused on innovative waste reduction technologies, materials recovery processes, and circular economy models to foster continuous improvement.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Best practices: doing more studies on waste reduction would be great to see and a good resource to be shared with other Municipalities and Regional Districts.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Collaborate with researchers, academia and industry for projects, ideally with government funding.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Fund non-profit to act as research and recycling hub for recylcing items currently not commercially marketable	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Use more sorting technology (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Partner with businesses and researchers to develop innovative recycling technologies, create sustainable materials, and support local industries that transform waste into profitable products	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID021	Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
Foster Collaboration for Apparel, Green Building, Agritech, Environmental Consulting, Sustainability Services	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID023	Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
Skills training for circular design for the fashion industry	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID023	Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
Eco-design for textiles	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID023	Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
Create a national campaign for clothing waste reduction	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID023	Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
Work with industry on a nation-wide plan for making fashion more circular	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID023	Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
How can we make thrift stores less costly? At Value Village a shirt is $20, it's cheaper to buy new.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID023	Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
Continue to raise up and support brands that offer repair services. The fact that the question about our "role in the fashion and apparel community" doesn't have an option for repair businesses!	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID023	Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
Cooperate with the provincial ministries, and outside organizations to manage and promote diversion of waste which does not necessarily fall under the jurisdiction of this Plan, but which benefits the region and its residents.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others on education for business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Map innovators and entrepreneurs to develop ideas and build partnerships	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Build connections between organizations, municipalities, businesses and other actors interested in implementing circular actions into their operations	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Collect case studies of circular actions in the community to share and improve understanding	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Leverage existing networks, non-profit partners, academic and innovation institutions to support businesses and organizations adopting circular approaches	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Encourage the use of natural and reused materials and support circular businesses	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Create a circular economy incubator hub	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Organize events and workshops to educate the public about circular economy principles that could be easily implmeneted in the community and local business	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Assess the potential of supporting social enterprises that contribute to the growth of an inclusive circular economy through procurement policies	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Agreement between Zero Waste Scotland and the Scottish Government to run Zero Waste Scotland with the purpose of providing expertise to lead the devleopment of Scotland's Circular Economy	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.

IDEA	Strategy Option	ID	Action Option
Green Champions Training Course with Business Energy Scotland	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Identify ways to expand business models that prolong product lifespan	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Conduct research and policy Analysis for Apparel, Green Building, Agritech, Environmental Consulting, Sustainability Services	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Regenerate natural systems, while creating new economic opportunities.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Host an annual Circular Economy week, showcasing innovative businesses and local initiatives in the region through a mix of site visits, presentations, and events. (Potentially in alternate years to ZWC).	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
run a circular learning hub for the region	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Where is the playground where people can innovate together to create that circularity for all regions and users to be able to meet the targets set out by regulators? – this should exits somehow	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Missing from this list is a reference to circular business and sectors. Noted overweight towards individuals in these emerging themes. These should both be added as sections. Via Metro Vancouver National Zero Waste council produced a toolkit on circular business and case studies that can be leveraged to help businesses become circular. Metro Vancouver should also mobilize sectors through their associations to become circular sectors. Canadian Standards Association has an ESG guide for associations that can help with this, SPE #116: https://www.csagroup.org/store/product/CSA%20SPE-116:23/	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Supporting design for circularity through education to businesses.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Promote circular economy practices	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Show true stories of circularities happening in the region.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Non-profits and community groups should focus on education and mobilizing communities and businesses, particularly SMEs. **-This role is crucial as these organizations can bridge knowledge gaps, encourage community involvement, and support smaller businesses in** adopting circular economy practices.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
The existing toolkit and resources on circular economy practices are highly valuable resources, and Metro Vancouver should go back to those resources and leverage them. -They contain valuable case studies and insights for businesses on adopting circular principles. - **https://nzwc.ca/documents/circulareconomybusinesstoolkit.pdf**; - https://corostrandberg.com/wp-content/uploads/2022/03/circular-business-insights.pdf	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Promote economic benefits of recycling systems. Metro Vancouver could collect data and report on the number of jobs created through investments in recycling systems and other types of circular business models. Metro Vancouver could explore working with Invest Vancouver to undertake this work.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID026	Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.
Investigate how to maximize low-barrier employment opportunities in roles that support waste reduction	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID027	Investigate how to maximize low-barrier employment opportunities in roles that support a circular economy.
Add full life-cycle costing to procurement criteria	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Strengthen Metro Vancouver's corporate sustainable design requirements	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Circular procurement – MV should have a best in class circular procurement policy and support other businesses, local governments and organizations to replicate it	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Streamline procurement processes to lower overhead and decrease timelines	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Incentivize use of more recyclables at the procurement stage.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Metro Vancouver should collaborate with procurement associations to provide education to buyers on the circular economy.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Prioritizing procurement from First Nations businesses: Actively seeking out and prioritizing procurement of goods and services from First Nations-owned businesses in the waste management sector.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Review procurement best practices, e.g. reclaimed materials in new construction of facilities.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Procurement for waste management/salvaged materials – MV template for managing site and building materials	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.

IDEA	Strategy Option	ID	Action Option
Use public procurement/METRO procurement to support ZW (for example. do not purchase problematic plastics; choose reuse, maintain, repair, quality) and encourage other organizations to do the same. Support the keen innovators that are delivering the services in the way that is the model. Use a tool to support end markets. Consider allying with others int eh public sector like post-secondary institutes.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Embed circularity principles in procurement. Metro Vancouver could play a leadership role and support municipalities to adopt circular procurement principles by integrating circularity into their procurements, especially high profile projects that can help to showcase what's possible and be used as case studies to demonstrate possible co-benefits. A priority for this area of work is using salvaged C&D materials in construction of new facilities and assets, especially wood building materials. Sharing the procurement documents used and data about the costs and benefits for these types of projects, and creating templates for certain materials and projects, would support municipalities to also increase circular procurement.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Require DfD/A, salvage reuse and recycled content in all MV's own building and infrastructure procurement.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
Joint Projects: Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID098	Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects.
Create a roadmap to address pollution from textiles and apparel	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Collaboration and partnerships: Building strong partnerships with First Nations communities, producers, and organizations like CWMA was seen as crucial for leveraging expertise and resources.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Interdisciplinary Partnerships: Foster collaboration among governments, nonprofits, and private sectors to pool resources and expertise.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Maintain a list of external working groups Metro Vancouver is participating in. Metro Vancouver could help municipalities to understand opportunities for collaboration with the region and other stakeholders by sharing a list of the external working groups in which Metro Vancouver staff are participating (for example, this information could be shared on the Sharepoint site or Teams channel described above). Examples of these working groups include the Canadian Circular Textiles Consortium and Canada Plastics Pact. Greater visibility and awareness would help municipal staff identify where there might be opportunities to share data and input with other stakeholders on a topic area.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Work to develop relationships with potential partners and develop teams and collaborations for projects as much as possible (for example, convene meetings of community, government and other partners to focus on textiles).	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Metro Van staff to participate in initiatives that support redesign/rethink, reduce and reuse	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Partner with entrepreneur innovators to build the momentum and capacity	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Keeping waste prevention at the forefront of international standards.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Utilize corporate collaboration to drive accountability and innovation in recycling practices.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Develop standards for foodservice ware so can harmonize systems	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Support a textiles hub group to determine gaps and plan for collective actions	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Greater access to who is doing what, share knowledge and people with particular skill set, database of resources and people resources	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Corporate sectors use their systems, what exists that can be repurposed. The uniform waste stream could be a story as companies take the leftover uniforms from one another and need to explain why their uniforms look a particular way	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Annual garment collecting campaign, a city sponsored campaign around collecting garments like a specific month - use a truck	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Reduction of fast fashion. Increase fabric recycling (In response to Thinking of how we purchase, use, reuse, repurpose, recvcle and throw things away in the region, what could be better in the future than it is today?)	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Develop a template zero waste procurement standard	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Assist other government bodies with the creation of policies that encourage reuse of reclaimed building materials (Introduce a "minimum quota for salvaged and reused materials" that must be used in new projects)	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Encourage a "learn by doing" approach to reduce resistance to innovation and emphasize the need for governments and cities to support pilot projects even if they carry some risk of failure.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
New Public Buildings set embodied emission reduction targets	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
C&D clauses: recovery of CRD residues when issuing permits, recovery of CRD materials on municipal constructions ites (deconstruction claise), minimum use of materials recovered from municipal construction sites	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
particpate in collaobrations that are advancing circular solution knowledge and building networks of decision-makers across policy and practice	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
How can you have municipalities work with private contractors or companies, not just non-profits?	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Produce and distribute specification templates for circular building procurement	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Design new buildings with deconstruction in mind	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.

IDEA	Strategy Option	ID	Action Option
Reinforcing; leaning on retailers - they're one of the chains of custody of waste materials, recycled materials, they're the ones that seem to be the least engaged, least incentivized, least motivated. All the other stakeholders have made so many efforts to engage and incentivize them, and provide a pathway to choose packaging free or reduce waste in general, maybe that's the one stakeholder that we still have that really hasn't been engaged. I love seeing them pop up, but in the recent years, many of them have gone out of business - not enough people are supporting them - the bulk stores like Refilleries and Nada Grocery	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Promote to big chain restaurants to reduce packaging and get them to be a part of the advertisement	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Clear labeling on products, on how to recycle products, clarify on what is in products/product packaging.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Celebrate and look to larger companies that have already started working at reducing footprint, materials, and packaging.	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Collaborate with supermarket/store/producer to minimise packaging/ unify packages which is easier for citizen to recycle	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
Push municipalities to adopt recycled materials in public projects	**1.3. Build on and foster an inclusive and collaborative circular economy**	ID160	Develop, test and share low carbon circular built environment procurement approaches, tools and templates.
Move towards understanding and quantifying the embodied emissions	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Explore circular economy and its role in supporting decarbonization	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Programs should focus on the life cycle costs of products	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Metro Vancouver should explore the carbon emissions impact of circular economy initiatives, assesstheir effectiveness, and engage in more in-depth discussions and consultations with businesses to understand their operations and challenges	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Specifically education on food waste reduction, environmental impacts of food waste	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Use a climate lens to evaluate built environment work across departments and sectors, factor in embodied energy, displaced virgin materials and job creation.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Link actively to climate change and scope three emissions, consumption-based GHG emissions.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Support for sharing of data to be able to identify waste moving across regional district borders, for the purpose of accurate metrics/reporting. For example, waste companies operate in multiple regional districts, and move material between regions.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
There are jobs in reuse and repair - need to show that.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Standardized labelling that shows climate impact of a product and ways to recycle or reuse when the product life is over	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Waste composition studies -include the degree of reusability (note that there may be some option in plastics registry) +more data on reuse and repair overall + why + value	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
More research to make the case for reuse and repair, such as quantifying climate benefits, identifying additional benefits like community-buy in, etc.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Recognizing the interconnectedness of solid and liquid waste streams, particularly in the context of food waste, allows for a more holistic and efficient approach to resource recovery. Integrating strategies from both areas can potentially minimize environmental impacts.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Include indirect emissions. Territorial emissions: 15 Mt CO2e Food = 3%. Consumption-based emissions: 23 Mt CO 2e Food = 19%	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
1. Reduce waste: Food Efficiency (kg food /capita), Progress towards SDG 12.3 (%), Cost of wasted food ($ / capita) Carbon footprint of wasted food (tonnes CO2e/Capita)	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
2. Reduce total organics: Yard Efficiency (kg yard /capita), Total Organics Recycled(tonnes), Total Organics Disposed(tonnes)	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
5. High quality of finished compost: Contamination Rate(%)	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Benchmark with international jurisdictions: Extend the scope of the Performance Metrics Study by Stantec	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Set waste reduction and collection targets including interim goals (report back to public on these regularly with communications campaigns)	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Apply a higher standard to public entities in all aspects of Zero Waste initiatives. Trust needs to be earned in order to achieve Zero Waste. Consider transparent measures and metrics.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Report on full environmental and GHG footprint of waste (by type of disposal if possible)	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.

IDEA	Strategy Option	ID	Action Option
Consumption-based emissions inventories (CBEI) with a waste-specific lens. The climate impact of wasteful consumption in a linear economy is a growing area of importance. Related data and metrics are needed to: evaluate the success of waste reduction initiatives in terms of environmental impact; help stakeholders understand the need for waste reduction and transitioning to a circular economy, and understand the types of tools that can be used to drive reduction (e.g. embodied carbon limits, credits, etc.). Metro Vancouver can play a role by reporting an updated regional consumptionbased emission inventory on a regular basis (e.g. every 3-5 years). However, existing CBEI reporting frameworks do not present results by material stream, which can make it challenging for waste professionals to interpret the results and meaningfully integrate the data with their work streams. For example: the embodied emissions of wasted edible food are not discernible from emissions associated with production and consumption of food that gets eaten. More material-specific granularity in CBEI reporting, with a waste-specific lens, would improve transparency and comprehension. Metro Vancouver can play a leadership role by undertaking the needed research and exploration to develop a methodology for calculating and presenting CBEI results with a waste-specific lens. (e.g. to understand data needs and availability, etc.).	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
GHG emissions - methane from paper/cardboard, should go back to the product manufacturers. Need ICI regs for businesses.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
Develop region wide circular key performance indicators	**1.4. Collect and enhance data to track progress toward a circular economy**	ID092	Continue to develop and improve region wide key performance indicators to track progress on circular economy through rethinking and reducing waste.
Embracing circular economy principles: Implementing systems thinking and life cycle analysis to understand material flows and promote closed-loop systems where waste is minimized and resources are continually circulated.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID092	Continue to develop and improve region wide key performance indicators to track progress on circular economy through rethinking and reducing waste.
Tie waste into values and priorities (practicality, cost, circularity, carbon and climate change)	**1.4. Collect and enhance data to track progress toward a circular economy**	ID092	Continue to develop and improve region wide key performance indicators to track progress on circular economy through rethinking and reducing waste.
4. Improved food security: Meals donated	**1.4. Collect and enhance data to track progress toward a circular economy**	ID092	Continue to develop and improve region wide key performance indicators to track progress on circular economy through rethinking and reducing waste.
Expand reuse metrics (greenhouse gas emissions reduced/avoided, customer and staff satisfaction, social impact, etc)	**1.4. Collect and enhance data to track progress toward a circular economy**	ID092	Continue to develop and improve region wide key performance indicators to track progress on circular economy through rethinking and reducing waste.
Explore how to measure the success of collaborations (e.g. reuse days tonnages, number of items repaired at repair cafes)	**1.4. Collect and enhance data to track progress toward a circular economy**	ID093	Research and pilot ways to measure success of collaborations.
Strengthen data and evidence	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Change waste composition program into a combination of waste composition, data collection and data improvements program	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Improving data collection of waste/recycling volume	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Improve contextual understanding of raw data metrics	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Perform composition breakdowns for mixed loads (organics, recyclables): Waste composition studies should occur more often.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Increase frequency of waste audits – this will help increase accountability	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Regular audits and feedback: Conduct ongoing audits of waste streams to identify areas for improvement and provide feedback to residents and businesses.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Critically analyzing	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Not enough data for community members and organizations. Waste composition pie charts all look the same. What is the nuance? Need more transparency on what the numbers are. Waste flow changes by month, need seasonal information on composition.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Analysis of how to better measure bulky items in waste composition studies	**1.4. Collect and enhance data to track progress toward a circular economy**	ID094	Strengthen waste composition data to improve actionable insights.
Data collection and sharing: Example: WMABC launched a program to measure ICI waste materials disposed of or diverted. Took this on to help them advocate at government levels knowing there are a number of jurisdictions looking at this type of data for policy development. Launched this project internally with members. We are not submitting raw data to Metro Vancouver, but it will provide aggregated numbers.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID095	Explore new technology that could help with data collection.
Every collection could include data tracking	**1.4. Collect and enhance data to track progress toward a circular economy**	ID095	Explore new technology that could help with data collection.
Explore new technology that could help with data collection	**1.4. Collect and enhance data to track progress toward a circular economy**	ID095	Explore new technology that could help with data collection.
Racial equity of Service - expand data collection and analysis for the Racial and Social Equity Index, the index used to map the city by race, English language proficiency, and socioeconomic and health disadvantages. Adjustments are made to the next round of outreach based on the outcome of the evaluation.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID096	Look at ways to include diversity, equity and inclusion data in solid waste data.
Make space for all voices (non-profits, women, underrepresented groups)	**1.4. Collect and enhance data to track progress toward a circular economy**	ID096	Look at ways to include diversity, equity and inclusion data in solid waste data.
Ensure inclusivity addresses differing incomes	**1.4. Collect and enhance data to track progress toward a circular economy**	ID096	Look at ways to include diversity, equity and inclusion data in solid waste data.
Improve Reuse calculation methodology	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
Circular economy: City should have the research finding in knowing in whole which systems create the most waste. At the same time, city can encourage people in reusing garabge in more creative way like organizing recycle workshop for public	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
I would like to see really good statistics, all the time, every year - how much we collected, how much ended up, where, how much money did it bring, how much money did MV make from the transfer stations, how much money was made by compost facilities to sell back compost to people all over? A LOT of statistics!	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
Real-time Regional Dashboard, Regular updates and feedback mechanisms, Educational Visualizations	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
Share detailed metrics about recycling processes, including depot input and export data, through public dashboards and real-time updates.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.

IDEA	Strategy Option	ID	Action Option
Track & report food waste generated per capita vs. 2016 baseline Track SDG 12.3 year over year (2030 target: -50% food waste/capita) 2016 baseline =158 kg food waste per capita	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
Improve quantification for food wasterecycled: estimated that 50% Food Waste + 50% Yard Waste In the Food Waste part: split residential vs. commercial unknwon	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
Quantify recycling options: composted v.s. animal feed v.s. biogas	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
4. Improved food security: Meals donated	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
Focus on two aspects: showing the impact of individual actions and reporting back results. When people see their contributions matter, engagement improves.	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
Provide funding /incentives to track food waste with different solutions	**1.4. Collect and enhance data to track progress toward a circular economy**	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
Raise awareness of the lifecycle impacts of products	**1.4. Collect and enhance data to track progress toward a circular economy**	ID102	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses how they are doing
We should create a strategy for packaging to get to the source – collectively handle the strategy to mandate and the reduction of plastics at the source	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination
We can pay for research to invent a new kind of plastic that does not harm the planet	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination
We should to invent a kind of plastic that is good for the environment.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination
Participant Recommendation: Complete ban on compostable plastic products	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination
Fund research into alternative materials and technologies to replace petroleum-based plastics and minimize waste	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination
Grow recycling through reduction (e.g. plastic ban)	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination
Work with retailers to reduce packaging waste.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination
Reduce packaging at grocery stores.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination
Collaborating with governments and manufacturers to reduce packaging	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination
Focus on recyclables that have a viable market	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID002	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination.
Stakeholder engagement: Effectively engaging diverse stakeholders, including residents, businesses, non-profit organizations, and First Nations communities, to ensure that programs and services are tailored to meet specific needs and preferences.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions
For healthcare - centralized bins -	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions
At Vancouver Coastal Health, we've had conversations with Metro Vancouver about compacted loads from facilities. One idea is to have smaller regional sorting facilities for medical waste. This could allow us to separate and manage materials locally before they go to incineration or elsewhere.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions
Standardization across health authorities would be helpful. Everyone is doing their own thing to increase diversion rates, but a unified approach could make things more efficient.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions
Promoting brand events about excess fabric and get rid of dead stock	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions
Daylighting the work people are doing, fibre shed maps as an example, this creates the network and shares the exact details of what people do in their work.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions
Work with brands here if someone is disposing of a particular product - circulate it through their online products	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions
Collaboration between Metro Vancouver and health authorities has been a positive step. Standardized segregation solutions that work across all health authorities could make a significant impact, especially in addressing general waste, which makes up 70% of total waste.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions
Facilitate a workshop between health care waste reps and WMABC	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions
Develop an apparel waste reduction strategy	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID024	Connect with member jurisdictions and the clothing sector to develop solutions for clothing waste reduction that can be implemented at the regional level.
Use reverse logistics to move products back through the supply chain to optimize reuse and recycling are key locally and beyond, existing systems need to be retooled to bring materials back into the economy.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID025	Encourage brands to take back garments from consumers for reuse and repair.
Brands responsibility to bring the garment back from the consumer - not the other way around- Consumers should not have to pay to send back products to brands for recycling/reuse/repair should be covered	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID025	Encourage brands to take back garments from consumers for reuse and repair.

IDEA	Strategy Option	ID	Action Option
Take-back programs with certain compositions - a. for uniforms specifically b. try to get involved and educate the government c. Holland Heineken example: take back bins for company shirts - all the same colour/fabric can be reused	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID025	Encourage brands to take back garments from consumers for reuse and repair.
Retailers should act like auto retailers that service products they sell a. re-bird arc'teryx example b. Should also supply spare parts for products c. Vega is also doing that d. Putting REPAIR on BRANDS e. Who is paying? f. First one free repeats?	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID025	Encourage brands to take back garments from consumers for reuse and repair.
Make ethical brands affordable	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID025	Encourage brands to take back garments from consumers for reuse and repair.
Leverage expertise from potential users to connect products to users	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID025	Encourage brands to take back garments from consumers for reuse and repair.
Develop a policy for how to design, develop, construct, manage and deconstruct/demolish city buildings.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Prioritize procurement of low carbon products (e.g., recycled materials and waste-derived fuels)	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Metro Vancouver/member jurisdictions should have mandates to use compost material (e.g. wood chips) to drive end markets to allow recycling operations to flourish. Don't own/operate, but drive end markets	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Develop a sustainable procurement program for MV with a specific focus on waste prevention, reuse and repair	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Review opportunities to accelerate adoption of climate change and circular economy focussed purchasing in construction	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Support the development of circular procurement guidelines for MV - including food, C&D, and reusable food and beverage systems	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Comment on Metro Vancouver's role as part of the circular economy, specifically on organics.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Orders of government to implement procurement policies. There should be industry mandates to produce and use recyclable materials.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Consider the full lifecycle management of the product.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Embed the Zero Waste Hierarchy and C&D waste/embodied carbon hierarchy in Metro Van's procurement and policies - include sourcing used/salvaged materials where possible. Encourage other organizations to do the same. (this can be part of creating end markets)	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Develop a library of circular procurment case studies to support local government and private sector to use reclaimed material in their building projects	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Promote sustainable and/or packaging-free purchasing options	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Develop model procurement policies for use by local governments, non-profits etc. To be done in partnership with member municipalities.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Establish corporate circular procurement policies	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
The City to lead by example (e.g., not use plastic materials in its offices and separating food scraps in City buildings).	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Investigate and promote options to incentivise and build capacity for the refurbishment of buildings	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Use Building Materials with Low Embodied Emissions	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Collaboration between municipalities on operations such as procuring trucks, or collaborating on labour/staffing to address labour shortages, and zero waste best practices information sharing. For smaller municipalities, having some relief in managing day-to-day operations can free up resources to think about and advance initiatives related to waste reduction/prevention at a higher level	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Smaller municipalities can learn from larger municipalities; on the other hand, smaller municipalities may be more nimble and responsive, and able innovate and try new things	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Work with companies for sustainable swag	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.
Develop and implement information and education programs on the reuse and effective recycling of wood and other DLC waste.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Education and awareness campaigns to showcase the benefits of wood circularity in the C&D sector.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Expand construction and demolition debris industry outreach and education	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Socialize the concept of circular economy through reporting, shared language, and success stories with key stakeholders	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.

IDEA	Strategy Option	ID	Action Option
There needs to be webinars for the construction industry and educational pieces for homeowners as well. This would be helpful on the Metro Vancouver, BC Housing and Municipal websites with links to information and resources. It is important that we work in support of each other to reduce the confusion and make this information more accessible for people.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Educational pieces are needed for the construction industry – It should be a requirement as far as their licensing to receive education on waste management.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Entrepreneurial workshop - getting people together to solve problems. Information sharing.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
What we hope for is more opportunities for contractors and others to be a part of the zerowaste community	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Metro Vancouver can hold a regular committee/meeting and invite professionals, experts, and consultants to discuss their plans and implementation strategies	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Education and promotion of waste reduction and reuse in the construction industry by fostering innovative designs	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Engage with housing and development entities	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Interest in collaborating on a centralized hub for sharing salvaged building materials, and coordinating a cross-regional district repair café network	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Education and awareness campaigns to showcase the benefits of wood circularity in the C&D sector.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.
Publish a research paper on construction and demolition (C&D) waste challenges and opportunities (with a focus on wood). Metro Vancouver could play a leadership role by writing a paper that summarizes information including: projected increases to C&D waste due to housing construction and densification in line with provincial legislation; jurisdiction scan findings on best practices in other places; economic benefits of circular C&D practices; reuse/salvage end markets in the region that have potential to be scaled up; and detailed roles for municipal, regional, provincial and federal levels of government in each area of potential policy. For example, identifying what role each level of government could play to advance a policy area such as increasing use of salvaged wood in structural applications (including modular products). Metro Vancouver could play a leadership role by convening members and other stakeholders to share relevant data and knowledge, and acting as the lead author and publisher. This work supports members to advance C&D policy in their municipalities by resourcing needed background research, instead of each municipality pursuing this work independently.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID062	Report on challenges and opportunities to reduce construction waste in the Metro Vancouver region.
Co-mingling budgets between partners could result in new and innovative ideas for educating about managing waste and recycling.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID100	Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations.
Clear communication about producers' obligations is necessary to reduce misunderstandings.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID100	Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations.
I'd really like to see a common space facilitated by Metro Vancouver where industry professionals can gather more regularly to share ideas and collaborate	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID101	Increase in person education where business and others can talk directly with experts on how to reduce waste.
Setting targets for waste prevention and recycling while allowing businesses flexibility in how to meet them works well. Over-regulation or rigid requirements can hinder progress and add unnecessary costs.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID102	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses how they are doing
I believe that Metro Van should be working with the producers of waste to penalize large amounts of waste	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID102	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses how they are doing
Metro Vancouver should explore the feasibility of implementing a fee based on waste usage and assess the need for larger bins and more frequent pick-ups for businesses	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID102	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses how they are doing
Rewards or recognition for reducing waste	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID102	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses how they are doing.
Producers of research materials e.g. plastic flasks, etc. can be made from sustainable materials, educate research institutions on how to reduce barriers to recycling	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID113	Work with national plastics waste reduction organizations and others to understand and address barriers to increased recycled content in plastic products and packaging.
Examine zoning by-laws, building codes and other policy. Metro Vancouver could further support members in applying land use planning and development lenses to waste management by undertaking a review of zoning by-laws, building codes and other relevant policy across the region to identify barriers to scaling waste and resource management infrastructure. For example, barriers to citing neighbourhood-level recycling drop-off facilities.	**2.1. Collaborate with businesses and institutions to reduce waste at the source**	ID162	Host workshops and meetings aimed at sharing and implementing updates to definitions and provisions in zoning and development bylaws which better clarify and facilitate the possible locations for waste reduction and recycling businesses.
Embodied carbon - Can't tell who at Metro Vancouver is getting engaged in this space. Silos in Metro Vancouver between departments. Need ways to get departments more connected to work together on reducing waste.	**2.2. Support residents adopting waste prevention habits**	ID080	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.
Advocate and make the public aware of future impact of behaviours around waste	**2.2. Support residents adopting waste prevention habits**	ID080	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.
Promote reusable diapers as an alternative to disposables	**2.2. Support residents adopting waste prevention habits**	ID080	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.
Develop and implement a Waste Free Parenting program, offering tips and techniques for a waste free parenting lifestyle	**2.2. Support residents adopting waste prevention habits**	ID080	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.

IDEA	Strategy Option	ID	Action Option
Diapers become a problem because it forces everything else in the bag to be soiled. Lack of opportunities to sort at some of our sites. Risk of needle pokes. Not separate bins at some sites.	**2.2. Support residents adopting waste prevention habits**	ID080	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.
Encourage the use of reusable diapers (consider equity lens) long term	**2.2. Support residents adopting waste prevention habits**	ID080	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.
Recycling Standards and Tips: Consistent and simplified guidelines across all cities in Metro Vancouver. Detailed packaging information indicating recyclability. Tips for reducing waste in everyday activities like cooking.	**2.2. Support residents adopting waste prevention habits**	ID080	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.
Map out what plastics reduction campaigns are needed	**2.2. Support residents adopting waste prevention habits**	ID080	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.
In-person meetings where people can come to attend and learn about the waste systems and how to be a more active participant in waste diversion.	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Not just one avenue, we need to attack it from different ways. Report for Master Recycler Vancouver's Collaborative Engagement Activities 2024 12. The idea of people being OUT at more EVENTS explaining our waste system. Having people HAVE a table at those farmers markets, HAVE a table at our repair cafes, have people EXPLAIN what works and what doesn't work. At the Diwali Festival, why don't we have tables?	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Aligning funding with waste reduction goals: Ensuring that financial resources are directed towards initiatives that prioritize waste prevention, reuse, and resource recovery rather than solely focusing on traditional waste management methods.	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Library and recreation centers having workshops for knowledge sharing	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
In-person meetings where people can come to attend and learn about the waste systems and how to be a more active participant in waste diversion. Share information on where people can go to fix, buy or recycle things.	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Increase access to public zero waste education through outreach events similar to the City of Vancouver Zero Waste Days	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Informational posters,TV ads, Flyers in the mail, More workshops, hands-on learning opportunities	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Library programs to educate on sorting waste	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Enhance large item pick-up, special collection services – to overcome barrier of needing to transport materials to facilities	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Engaging in open dialogue with the public: Hosting public forums, workshops, and online discussions to address concerns, answer questions, and foster a sense of trust and transparency in recycling operations.	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Holding workshops at various private companies (as some ppl only commute between home & office) / libraries / community centres	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Tech-Free Alternatives: Ensure that traditional methods like printed guides and hotline services remain available for those who prefer not to use technology.	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Recycling Events: Organize community recycling events or "Recycling Parties" that combine waste management with social engagement, making the practice fun and interactive.	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Educational Programs: Provide free workshops, webinars, and events on solid waste management and offer small incentives (e.g., gift cards, free compost bins) to attendees.	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Develop new public education and behaviour change campaigns that target waste-generating events. For example, moving to a new home and student move-in and move-out days. Metro Vancouver could work with members to explore opportunities to design supportive programs to help reduce waste associated with these events, and target program delivery for strategic times, such as month end when renters are more likely to be moving.	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Host more community events to educate the public and get them invested in disposing of their waste the right way.	**2.2. Support residents adopting waste prevention habits**	ID081	Increase in-person education where residents can talk directly with experts on how to reduce waste.
Workshops, open houses with Metro Van residences, groups, communities. People are ready to learn and ready to contribute. For businesses specifically too	**2.2. Support residents adopting waste prevention habits**	ID101	Increase in person education where business and others can talk directly with experts on how to reduce waste.
Government Initiatives: Hire individuals from diverse backgrounds to lead regular informational sessions and events at apartment complexes or residential community spaces, educating residents on proper recycling and sorting practices. Rewards: Rewards for consistent checking items on recycling, such as points or cashback, through seamless integration with deposit-refund systems '- Should stop this practice and stop waste at the source - Incentivize solutions that divert waste via regulatory reform - If we could encourage municipalities to create tree removal salvage bylaw amendments they could potentially be applied to metal recovery, soil recovery, etc.	**2.2. Support residents adopting waste prevention habits**	ID104	Expand education tools to help residents of multi-family buildings to reduce waste, increase participation, and comply with evolving waste reduction regulations.
Incentivize the commercial and institutional sectors to reduce food waste.	**2.3. Prioritize food waste reduction initiatives**	ID052	Incentivize the commercial and institutional sectors to reduce food waste.
Institute diversion pilot project within local ICI sector (e.g. food waste composting at a local restaurant).	**2.3. Prioritize food waste reduction initiatives**	ID072	Work with business, industry associations, and non-profits to reduce food loss and waste by improving food purchasing, storage, and preparation methods.
Metro Vancouver should engage with large mainline suppliers, such as Gordon Food Services and Sysco, to address their role in food waste management and prevention	**2.3. Prioritize food waste reduction initiatives**	ID072	Work with business, industry associations, and non-profits to reduce food loss and waste by improving food purchasing, storage, and preparation methods.
Organizations should align waste prevention with their purpose but need support and resources to address pain points effectively.	**2.3. Prioritize food waste reduction initiatives**	ID072	Work with business, industry associations, and non-profits to reduce food loss and waste by improving food purchasing, storage, and preparation methods.
support regional farmers markets with training and consumer-facing education on how to make the most of food/prevent waste - processing and storage tips and skill development	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Metro Vancouver needs to support with developing food waste training sessions and certification program for those in the food industry	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Metro Vancouver needs to support with developing an information portal for food businesses to share resources, best practices, and get inspired to reduce food waste.	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.

IDEA	Strategy Option	ID	Action Option
Supporting industry working groups: Establishing and supporting working groups focused on specific waste streams or challenges to facilitate knowledge exchange, identify innovative solutions, and develop collaborative initiatives.	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Promoting regional and international knowledge transfer: Engaging in active knowledge transfer with other regions and countries to learn from successful waste reduction initiatives and adapt best practices to the Metro Vancouver context.	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Engaging with stakeholders through initiatives like the Circular Food Innovation Lab can create collaboration opportunities.	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Sharing best practices and ideas across industries can inspire improvements.	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Waste prevention needs more focus, whether it's reducing food waste or minimizing what needs recycling. Sharing best practices on what works and doesn't work would be helpful, particularly in a pre-competitive space like the RCC does for food waste reduction.	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Also, increase awareness of the Food Donor Encouragement Act (liability protection for businesses and organizations that donate their surplus food).	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Explore the pros and cons of launching a recognition program to acknowledge the recycling efforts/achievements in the ICI sector.	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Deploy incentive campaigns for adoption of environmentally responsible practices such as electrifying residential building heating systems to eliminate use of heating oil, supporting businesses in transition to circular economy	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Develop and implement Food Waste Reduction Education Initiatives	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Sharing information: for example, there should be a portal, like what the City of Toronto doing or what the City of Seattle is doing, how we can share this information, so we have more resources. And, you know, just sharing each other's best practices. A place where we can get more inspired and have a target. That's the one thing we are missing.	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Offer guidance and collection of food for recovery	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Encourage restaurants and events to reduce waste by adopting similar practices.	**2.3. Prioritize food waste reduction initiatives**	ID073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.
Work with residents, commercial business and industry to identify opportunities to generate revenue from waste "by-products".	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
work with regional planning to consider food hubs - with zoning integrations and approvals for symbiotic businesses utilizing each other's waste - into the RGS and the RFSS	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
collaboration and support for equipment and asset sharing for food processing/storage/distribution/recovery	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
Use products better, integrate regenerative practices including for biomass, and account for carbon sequestration as part of organics management.	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
Programs like the Loop Program, which connects food waste to farmers, are good examples of collaboration. Looking for opportunities to expand on this and support models like this would help.	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
support for urban farms/vertical farms/ to shorten supply chains between food production and retail, to minimize waste during distribution	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
Advocate to the BC Government, the Government of Canada, energy utilities, member jurisdictions, and First Nations to expand development of anaerobic digestion facilities to process commercial food waste. This could include funding (e.g., incentives, tax credits, loans) and removal of barriers in existing regulations.	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
Anaerobic Digestion (AD)	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
support research on applied technologies for recovering materials and energy from organics	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
Local use of local "waste" resources is needed	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
Provide tax incentives for producers that incentivize design for recyclability	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
Need to look at other options to expand on organics disposal and processing site options.	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
There is not enough infrastructure capacity and incentives for recycling. An example of limited processing capacity is the organics processors	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
Securing funding for future infrastructure: Actively pursuing funding opportunities from provincial and federal governments, private sector partners, and other sources to support the development of critical waste management infrastructure.	**2.3. Prioritize food waste reduction initiatives**	ID075	Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
Facilitate a collaboration between local farmers, local food deliveries, and DTES to reduce carbon footprint.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.
Continue to work with facility operators, local municipalities and the recycling industry to introduce material bans after alternatives are identified and suitable public information programs.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
Implement disposal bans on materials that limit opportunities to achieve reuse, recycling, or energy recovery	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
Phased-in disposal bans for some CRD material (starting with wood, drywall, cardboard, asphalt shingles)	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
Prohibiting/limiting the maximum recyclable content that can be included in residual waste before it is landfilled	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
Disposal bans	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
MV well positioned to create reduction-side solutions. Ban items that have no alternatives but disposal. Better product management at the consumer level.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
We need more regulation and landfill bans. Look at the huge shift that happened in 2013 when we banned organics from landfill." - Recycling Business	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.

IDEA	Strategy Option	ID	Action Option
No load of waste shall be sent to final disposal (landfill or incineration) with more than 20% divertable content. Although this would require an amendment to the EMA, it would force us toput everything through an MRF and extract the recyclable and/or compostable material thatlazy people or those who do not care about waste diversion, simply put in the garbage.Incineration in BC is a delusional idea as it creates GHG's burning waste to createelectricity and displace BC's ZERO GHG hydro-generated electricity. The worst part isthat if we divert what MV says it wants to divert and MV stops deliberately burning recyclablematerial (plastics), the incinerator will not generate enough BTU to create electricity; a doublewhammy caused by our success. No wonder MV has decided to pick fights to stall diversionvs work with industry to meet the region's goals.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
Yes! Metro Vancouver needs to ban textile production waste from landfill garbage bins. Get a collection service for these companies to recycle. Its clean pure fabric so you don't have to sort or remove buttons, zippers etc from old clothes. Such low hanging fruit. Our company actually collects and saves all of our waste from production and we just sent 15,000 pounds by rail to a company in the USA to recycle and turn back into material that we will get back to make more clothes from. Simply Merino	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
Ban textile production waste in landfill.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
Investigate banning or surcharging mixed C&D loads at the landfill to encourage source separation	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
Garbage should be charged based on weight.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
I really like that Interior BC charges you for disposing of trash by the amount/weight ofindividual garbage. Maybe it could look like having the trucks weigh trash upon collection. Alternatively, award people for having the least amount of trash? Positive reinforcements seem to work better in North America	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
There should be financial incentives to reduce waste - garbage pick up should be charged percontainer NOT hidden in the tax base.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
They could make - there are 3 sizes of garbage bins - for a single family house - maybe there could be a fourth one, you pay even less if you waste less. The size sets the expectation for how much you waste, so include an even smaller one	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
If you don't put garbage out for 3 different collection dates, you get a rebate. That could take a lot of management, though.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Pay-as-you-throw, without causing an unintended increase in illegal dumping	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Reduce overall garbage collected by reducing number or size of garbage carts	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Use tipping fees as a tool so that poor sorters and high volume generators pay more.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
One thing - the COST of garbage collection is hidden from people. You only find out about it if you have a property tax bill, you can see buried under the MV part there, there's an amount for garbage collection based on the size of container you have, which is for a single family dwelling. It would be good if that was this reminder MORE than once a year!	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Smaller bins so residents can dispose less waste (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Reduce garbage collection frequency to increase participation in other streams	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Educate and reduce contaminated loads. Can't trace back to specific trucks. MV staff do not track down source of contamination. Results in increased investment into reducing contamination in loads. Impacts product quality, and ultimately market uptake	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Make it illegal to throw electronics in the trash – must be recycled at licensed facilities	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Avoid batteries going in the garbage/landfill by enforcement (penalty/fine)	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Have inspectors at the generators and issue tickets/fines	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Need high enough surcharges to cover for increased costs of contamination.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Why isn't there more screening done at the dump to prevent such violators coming through and dumping everything in one heap	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Put levies and payments onto items to make it harder for people to dispose and have greater penalties	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Need staff to be intercepting every load and educating.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Explore and deploy financial mechanisms such as reduced tipping fees, differential rate charges, penalties for non-participation, fines for violations, user-pay collection system, additional collection charges, waste reduction levies, variable waste utility, solid waste diversion credit policy, volunteer hauler incentive program.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
Let waste & recycling industry freely compete. If we want to fine haulers for cardboard and other recyclables being in their loads, we must allow them to dump and sort their loads prior to disposing of it.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID106	Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
clear bags for garbage so that people reduce their garbage through social norms	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID107	Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions.
Investigate use of clear bags for garbage or recyclables collection to encourage proper recyling of materials, where practicable and enforceable (e.g. at events)	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID107	Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions.
Implement clear bag collection to reduce contamination	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID107	Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions.
A solution to the multi-family sector could be clear bags for everyone.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID107	Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions.
Use clear plastic bags to discourage recyclables in the garbage	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID107	Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions.
Use clear bags to enforce bans more effectively: Some challenges, such as privacy issues, to consider. Clear bags implemented successfully in other areas in Canada	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID107	Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions.
Regulation and enforcement needs to be increased through MV	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID108	Increase inspections and enforcement of disposal bans at Metro Vancouver and City of Vancouver solid waste facilities.

IDEA	Strategy Option	ID	Action Option
Avoid issue where something is banned one day and not banned the other day. Adhere to the disposal bans. For the organic's disposal ban if they leave the ban in place somebody will figure it out.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID108	Increase inspections and enforcement of disposal bans at Metro Vancouver and City of Vancouver solid waste facilities.
Should not waive the organics ban. Its been waived for four years.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID108	Increase inspections and enforcement of disposal bans at Metro Vancouver and City of Vancouver solid waste facilities.
Construction and demolition waste is banned from landfill in MetroVan. But it still sneaks in in black bags. Ban the black bags! Also, fine the haulers at the tipping places … it's already happening, but I support larger fines.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID108	Increase inspections and enforcement of disposal bans at Metro Vancouver and City of Vancouver solid waste facilities.
Step up inspections and enforcement to all loads	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID108	Increase inspections and enforcement of disposal bans at Metro Vancouver and City of Vancouver solid waste facilities.
Increase audits and enforcement. Metro Vancouver could increase the number of audits and randoms checks to ensure compliance with disposal bans.	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID108	Increase inspections and enforcement of disposal bans at Metro Vancouver and City of Vancouver solid waste facilities.
3. No organics in garbage (like in Squamish)	**2.4. Enhance approaches to Metro Vancouver's disposal ban program**	ID108	Increase inspections and enforcement of disposal bans at Metro Vancouver and City of Vancouver solid waste facilities.
Develop model language for bylaws, best practices, official community plans, and economic development strategies for use by local governments using research and collaboration to guide this process (in partnership with municipalities and potentially other regional districts)	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Require deconstruction (instead of demolition) for select project sizes and/or project types to increase construction and demolition debris recovery.	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Require the salvage of reusable materials from demolitions	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Expand green demolition bylaws to more types of homes	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Evaluate the possibility of coordinating and unifying the regional effort for deconstruction bylaws, to lessen the confusion for contractors and the public (e.g. recommend a common baseline year for deconstruction across municipalities).	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Support and enable house moving	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Development of a program that supports C&D municipal bylaws, including: Data collection and storytelling, intersectional partnerships, community engagement, reuse infrastructure and workforce training.	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Mandatory C&D site waste management plans	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Develop new and promote existing best practice standards in circular practices within the construction sector, and assess the options for both voluntary and mandatory complianc	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
A properly completed waste disposal and recycling services plan regarding the management of waste and recyclables material must be signed by the owner or agent and submitted to the building inspector	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Municipal policies that reduce construction waste (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Legislation that rewards waste diversion and circularity of CRD wastes such as Wood, increase the cost to dispose of unsorted mixed debris in the landfill, increased costs forcompanies that Demolish Buildings, rather than deconstruct and/or relocate perfectly usefulhomes	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
90% of trees that are removed (due to construction/development or urban forest management) are used or given away to be used as firewood	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Responsible removal assessments would require applicant to assess the options for the home prior to permitting from municipalities for demolition	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Reduce construction and demolition waste by supporting deconstruction over demolition	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Introduce major restrictions on the demolition of usable buildings	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Develop deconstruction protocols and policy	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Coordinated policy approaches to increase reduction and reuse (e.g. C&D waste)	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Have a means for C&D actually processed to be reported out	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Include recycled materials in procurement for new builds; there is a need to require an amount of recycled/reused materials	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Education and working with local governments on incentives for deconstruction	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Time is limited, using that as an incentive, like making permitting faster if you deconstruct instead of demolish.	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Streamline regulation system to foster increased use of salvaged/diverted materials	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Create a municipal template and toolkit for building removal bylaws that include house moving and deconstruction	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Prevention of C&D waste due to affordable housing policy and other changes in land uses.	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Building removal options, support hierarchy	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Renovation and retrofit vs new build	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.

IDEA	Strategy Option	ID	Action Option
Requirements on the type and amount of bins for construction sites; focus on wood	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Mandate multi-stream collection for all Construction,Reno,Demo settings (focus on the service providers rather than the project owners, can also be in RFP for services)	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Improve C&D studies - a lot of data gaps - potentially conduct a weight study	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Develop new circular economy metric for analysing the current and future capabilities of the construction industry to build circular buildings.	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Host an online waste management & recycling tracking system for contractors, member jurisdictions, waste haulers and recycling companies (e.g. https://www.greenhalosystems.com)	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Convene member jurisdictions to mainstream circular economy construction (cross-authority collaboration group on construction material exchange)	**3.1. Support consistent approaches to reuse**	ID032	Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
Reuse only for dine in	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Work with food delivery and meal prep businesses to switch to reusable container systems	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Integrate a combination of new regulatory requirements, new market development efforts and material restrictions to support diversion or reduction of materials from plastic bags to take-out containers that cannot be recycled or returned.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Move towards harmonization of systems across sectors, practices, and within the region.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Develop a corporate policy for single-use item reduction to support sustainable producrement and include commonly used and purchase single-use items to explore alternatives	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Building on mandatory recycling Develop a Sustainable Events. Policy making diversion mandatory for all events.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Single-Use Item Reduction Initiative	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Mandatory Waste Diversion in all City Facilities	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Comment that takeout containers, disposable coffee cups, and packaging are an issue. Interest in reducing packaging in product design and involving producers.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
There is limits we can do to reduce plastic use – work with the province to be able to reduce the amount of plastics	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
We should have bans on single-use items and some kinds of plastic packaging that are not needed.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Incentives for reuse e.g. coff ee cups and building more drop off locations.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Mandate recycling, compost at public events	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Ban of single use plastics - bags, straws used to be bane of my beefs at restaurants, throw away utensils.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Reuse system is possible, but government support required on the public collection and washing facility components	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Improve Product and Packaging Design: Collaborate with businesses to design recyclable and minimal packaging. Provide discounts for using reusable cups, containers, or other sustainable packaging.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Use a phased approach for policy changes to give businesses time to adapt.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Ensure consistent regulations across administrations to avoid confusion.	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Individual/general public: Force choices for the public (e.g. whether you want a bag for takeout)	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Encourage local circularity of plastic resins	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Look at what the next set of SUI bans should be -work with munis/prov/fed (e.g plastic teabags, cigarette butts, hotel amenities,etc.)	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Address single use items systemically (not just to move from plastic)	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Develop + support model bylaw to require reusables for dine in settings (Banff, Victoria -pending)	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Require adequate dishwasher capacity for new foodservice permits (work with munis or develop model)	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Explore ways to reduce single use items distributed through drive throughs	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
Address over consumption of reusable bags, now that plastic bags are banned	**3.1. Support consistent approaches to reuse**	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.
See ideas under ID063	**3.1. Support consistent approaches to reuse**	ID034	Advocate for the adoption of consistent reuse regulations once they are proven successful at the community level.
Expand recycling market development for construction and demolition debris to support diversion of these materials from landfill (asphalt shingles and clean wood) as well as continued collaboration on market development.	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Identify and pursue options to support and grow the market for salvaged deconst	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Streamlining the process to certify reclaimed wood for structural purposes. Governments could take on the role of adding it into their specifications for civic buildings.	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Implement strategies to increase the salvage of building materials for reuse, without increasing exposure to toxics.	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Develop a comprehensive C&D strategy, including characterization of materials, best practices, and pilot projects	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Examine and, where feasible, implement incentives for reuse and remove barriers to re-use of wood waste.	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Residential C&D Waste Diversion Strategy	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Re-using materials when new development happens (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Work with building and design industry and policy makers to adopt the ZW/embodied energy hierarchy as the guidance for building sector	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.

IDEA	Strategy Option	ID	Action Option
We need to tie into logistics to solve problems, home moving is an example. We need to increase knowledge in the trades, avoid landfill use, and overcome lack of convenience challenges for reuse and repair programs and systems.	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Advocate for reuse regulations, right-to-repair legislation, and reuse standards for products	**3.2 Increase reuse of used building materials**	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
Work with used building material suppliers to encourage do-it-yourself-ers to incorporate more used building materials into their projects.	**3.2 Increase reuse of used building materials**	ID036	Encourage residents to incorporate more used building materials into their home renovation projects.
Work with used building material suppliers to encourage do-it-yourself-ers to incorporate more used building materials into their projects.	**3.2 Increase reuse of used building materials**	ID036	Encourage residents to incorporate more used building materials into their home renovation projects.
Quebec has some sixty facilities sorting residual material from the construction, renovation and demolition (CRD) sector. A recognition program, established in 2021, is intended to highlight the facilities that obtain good results in sorting and reclaiming residual material. Develop a residual material sorting facility	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Encourage a business or non-profit entity (e.g., Habitat for Humanity) to establish a construction reuse facility.	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Stengthen secondhand markets	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Promote the reuse of construction materials like wood and concrete aggregates	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Invest in finding the end use markets cases for all types of C&D material	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
For construction and demolition waste (C&D), support innovative ideas and focus on marketing C&D waste.	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Instead of demolition, materials can be salvage, donated, sold and reused	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Work with province, academia and NGOs to develop a model for wood waste that determines what assets exist and what are needed to create an ecosystem that can handle all kinds of wood and use it to the highest and best purposes (like King County). Use NZWC or other systems to build regional partnership.	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Create certainty in the marketplace of both supply and demand	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Create business opportunities for C&D waste with established partners/problem solvers	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Develop and support a network for reuse of CRD materials (could include setting aside land); deconstruction principles, policies & programs, linked to C&D working group. Partner with others to develop a supply of reusable materials that can then lead to requirements in RFPs for a certain % use of materials.	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Develop local markets for recycled materials.	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Develop markets and identify investment opportunities; lack of certainty discourages private sector from taking on opportunities.	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Foster opportunities for more private investment.	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Goal to build larger customer base. No issue with supply, however enough of a demand needs to be built to get material back to the public. This is becoming more challenging	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Raise awareness through website and use of social media to demonstrate successful examples and destigmatize the reuse of building and renovation material.	**3.2 Increase reuse of used building materials**	ID037	Foster further development of secondhand building material markets
Host an online marketplace for C&D materials, similar to FoodMesh	**3.2 Increase reuse of used building materials**	ID038	Explore options for implementing an online marketplace for construction and demolition materials.
Promote C&D waste brokering (like a FoodMesh for C&D waste - like what LightHouse is providing in Naniamo)	**3.2 Increase reuse of used building materials**	ID038	Explore options for implementing an online marketplace for construction and demolition materials.
Establish convenient and affordable infrastructure to store, sort, and/or process wood materials to support supply and demand alignment.	**3.2 Increase reuse of used building materials**	ID039	Encourage the development of an in-region facility for triaging building materials to their best and highest use.
Promote salvage and deconstruction for reusable building materials by supporting the establishment of a salvage lumber warehouse or network of reusable lumber processors and retailers.	**3.2 Increase reuse of used building materials**	ID039	Encourage the development of an in-region facility for triaging building materials to their best and highest use.
Need more construction and demolition waste disposal and recycling facilities	**3.2 Increase reuse of used building materials**	ID039	Encourage the development of an in-region facility for triaging building materials to their best and highest use.
Create a building material exchange program to help connect companies looking for materials to construction and manufacturing sites that produce the material	**3.2 Increase reuse of used building materials**	ID039	Encourage the development of an in-region facility for triaging building materials to their best and highest use.
Depots and policies for home renovation waste (dedicated CRD drop-off bins at transfer stations for materials such as clean wood, drywall, concrete, plastic piping, corrugated cardboard, metal items, ceramics and asphalt shingles. Mixed CRD would be accepted for a higher fee)	**3.2 Increase reuse of used building materials**	ID039	Encourage the development of an in-region facility for triaging building materials to their best and highest use.
Need capacity for pre-sorting prior to materials going to processing facility – need a system to take contamination out even after 'source separation' from residents and businesses, as contamination still exists. Pricing needs to also reflect this extra step	**3.2 Increase reuse of used building materials**	ID039	Encourage the development of an in-region facility for triaging building materials to their best and highest use.
Better ways to separate clean wood from demolition loads that can be financially beneficial	**3.2 Increase reuse of used building materials**	ID039	Encourage the development of an in-region facility for triaging building materials to their best and highest use.
Invest in upgrading existing facilities, work with what we have – focus on recovery and sorting of materials	**3.2 Increase reuse of used building materials**	ID039	Encourage the development of an in-region facility for triaging building materials to their best and highest use.
Develop a funding program for building owners to support healthy and environmentally sound renovation. And/or encourage sustainable construction by providing information and support - assistance centres that will guide property owners in their construction or renovation processes.	**3.2 Increase reuse of used building materials**	ID045	Advocate that provincial and federal governments develop an incentive program to increase the use of used building materials in new projects.

IDEA	Strategy Option	ID	Action Option
Map projected housing construction and land use changes. Metro Vancouver could play a leadership role in helping municipalities to approach waste management planning in the context of housing construction and land use changes. Mapping projected housing construction would support analysis of where future waste services, assets and events may be needed to serve demand created by concentrated areas of population growth. Awareness of land uses will be important as the region builds more housing and densifies, and land is rezoned as part of these efforts. Industrial land is critical for effective waste management systems, especially for the businesses that enable a circular economy. These businesses often have the greatest environmental benefit, and best chance of succeeding and scaling, when they are located close to the resource flows they seek to reuse, remanufacture or recover. To this end, cities need to protect space for industrial land in urban areas. Metro Vancouver can help to increase awareness of this issue and support municipalities to apply a land use planning lens to waste management planning by working with municipalities to compile the land use data, and identify priorities for protecting industrial land.	**3.2 Increase reuse of used building materials**	ID046	Work collaboratively with industry, municipalities and the federal and provincial government to better understand storage and land use requirements for the construction and demolition sector and find innovative solutions to meet land use needs for key waste reduction activities such as house moving, deconstruction and building material resale.
Local governments to provide publicly funded spaces for storage of C&D salvaged materials	**3.2 Increase reuse of used building materials**	ID046	Work collaboratively with industry, municipalities and the federal and provincial government to better understand storage and land use requirements for the construction and demolition sector and find innovative solutions to meet land use needs for key waste reduction activities such as house moving, deconstruction and building material resale.
Build markets for wood waste	**3.2 Increase reuse of used building materials**	ID046	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing borrowing” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
Re-use infrastructure and programs that stimulate end-use markets	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
Prioritize dedicated reuse infrastructure to help grow circular economy	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
This type of system could also be used for textiles, transport packaging, non-consumable goods	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
In my experience, Metro Vancouver has been the level of government which has been the most open in discussing with companies like mine that are looking at using innovative ways to understand why and where waste is originated. Allowing innovating companies big or small in the conversation is the way to move forward.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
Need milkman programs to come back.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
Partner with container-free stores	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
Libraries - wouldn’t it be great to have repair kits available - thought this is scratching the surface of problem	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
Identify gaps in reuse infrastructure and work with industry and senior government to develop necessary infrastructure	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
Grant funding for reuse	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
We need to normalize reverse logistics, plan for the full life cycle of an item, consider biological and technology cycles.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
We need reuse capacity as part of our facilities and infrastructure, with strong partnerships to move materials and stimulate the economy.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing rentals” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
Better data on reuse and repair progress, as well as mapping of reuse and repair services	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID066	Consider spatial mapping of repair and other ways to better quantify reuse and repair in the region. Prioritize open data approaches so that data can be universally accessed.
Map out assets that can be shared -community reuse, repair and sharing (Squamish is working on it, Share Reuse Repair has some for the Lower Mainland and Portland, OR is a good example.)	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID066	Consider spatial mapping of repair and other ways to better quantify reuse and repair in the region. Prioritize open data approaches so that data can be universally accessed.
Find green repair shops easily- across elements of the apparel industry like film	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID066	Consider spatial mapping of repair and other ways to better quantify reuse and repair in the region. Prioritize open data approaches so that data can be universally accessed.

IDEA	Strategy Option	ID	Action Option
Use spatial analysis to identify opportunities to improve equitable access to waste services and facilities. This analysis could include mapping locations of waste services, assets and events in the region (including those owned and operated by external organizations, including various types of EPR drop-off locations), and would help to identify locations for new facilities and pop-up events to ensure access for residents and businesses using public transit and active modes of transportation (e.g. walking, biking). The findings of the spatial analysis can also be used to explore opportunities to enhance service reach to underserved areas by working with contractors, municipalities and other service providers. Spatial analysis of waste services, assets and events can also be layered with demographic data, such as average income levels, language spoken in the home, race and ethnicity, across each neighbourhood in the region. This analysis may help to identify if there are any equity-denied communities under-served by existing waste programs and services. Members can be convened at several points to share data towards undertaking this work, and discuss opportunities to incorporate key findings in the delivery of future municipal and regional services, projects and events.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID066	Consider spatial mapping of repair and other ways to better quantify reuse and repair in the region. Prioritize open data approaches so that data can be universally accessed.
Promote local reuse alternatives on the Recycling Council of BC's and local governments' websites, and city pages. Examples of reuse alternatives: swap websites, community garage sales, repair shops, free-stores, second hand stores, flea markets, farmers' markets.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID083	Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.
Locations of all recycling facilities for electronics, clothing, mixed material items	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID083	Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.
Have a common map: Where can you go to refill your things, Where can you go to donate X,Y,Z	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID083	Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.
Work with RCBC to develop a comprehensive directory for where to borrow, share, rent rarely used items. Also repair options.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID083	Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.
Partnerships with organizations to take materials for reuse before they get to transfer stations.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID083	Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.
Fabcycle free bags of scraps example a. App to centralize fabric waste as a resource	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID083	Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.
Ucycle program and service with a user-friendly app and website	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID083	Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.
Book reuse partnership with local libraries	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Encourage and facilitate the sharing economy	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Encourage or facilitate inclusive and networked neighborhood-scale projects such as lending libraries, repair clinics, and reuse exchanges for tools, equipment, electronics, furniture.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Libraries	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
To start off, a small area or neighbourhood would be a great place to start to prove that it works, then grow it. Every closed system like theatres could easily be doing this. Shopping malls and food courts are another potential for a closed loop solution. This could be something that Banners could participate in. Looking at recycling depots and how they could participate is an important element	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Expand the roles of libraries or set up new ones for specific items. Develop model policy and practices for tool libraries, toy libraries, kitchen gadgets, etc. Support with communications. Do this in partnership with municipalities.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Taking out a shirt from the library	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Increase opportunities for residents such as repair cafes	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Permanent repair cafes	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Promoting reuse and repair infrastructure: Establishing region-wide infrastructure and systems that support the reuse and repair of items, fostering a culture of repair and extending the lifespan of products. This could include supporting initiatives like repair cafes, tool libraries, and donation platforms.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Make repair cafes more accessible, allowing them to be put on at no cost or low cost	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Provide more points of access for repair cafes in the community	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Normalize repair cafes, clothing swaps etc. in the community	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Provide training on repair for residents (repair cafes as one idea)	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Promote repair cafés more actively.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Support repair of items; more repair cafes, online connections to repair manuals, possible maker spaces for parts.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.
Advocate for skills development programs for repair and refurbishment of bulky items	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID167	Work with industry associations, practitioners and senior government to identify and fill skills training gaps required to scale reuse, refill and repair
Work with institutions such as prisons to build repair skills	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID167	Work with industry associations, practitioners and senior government to identify and fill skills training gaps required to scale reuse, refill and repair
Education and training We need to train up the workforce to think about life cycle assessment, material selection, modularity, reverse logistics, product innovation.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID167	Work with industry associations, practitioners and senior government to identify and fill skills training gaps required to scale reuse, refill and repair
Building the skill - in a "skill shed" skilled labor on machines or hand	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID167	Work with industry associations, practitioners and senior government to identify and fill skills training gaps required to scale reuse, refill and repair
Country has no program to incentivize cobblers and the industry is aging out	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID167	Work with industry associations, practitioners and senior government to identify and fill skills training gaps required to scale reuse, refill and repair
Need more recognition for cobblers.	**3.3. Foster the broad adoption of reuse, refill, and repair**	ID167	Work with industry associations, practitioners and senior government to identify and fill skills training gaps required to scale reuse, refill and repair
Work with the tourism industry to reduce waste	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.

IDEA	Strategy Option	ID	Action Option
Continue to work with municipalities, EPR groups and local community groups to implement waste minimization and recycling at community festivals and events, including conferences and tradeshows.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Comment that takeout containers, disposable coffee cups, and packaging are an issue. Interest in reducing packaging in product design and involving producers.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Comment that takeout containers, disposable coffee cups, and packaging are an issue. Interest in reducing packaging in product design and involving producers.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
There is interest in delivery of education on sustainability practices for reducing, reusing, recycling, composting and minimizing. Also there is an interest in promoting access to ethical and durable products through partnering with industry.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Festivals give out utensils for reuse to rent and give back. Collaborate/ encourage restaurants or other festivals/ events to do this	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Event and Festival Partnerships: Collaborate with festivals and events to provide reusable utensils for rent and return.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Focus on waste prevention in the commercial/institutional sectors	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Explore options to 'leverage' mature programs to shift towards higher levels in the pollution prevention hierarchy (e.g. from recycling to reuse)	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Work with sports venues to implement reuse programs	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
One of the things I'd really love Metro to do is look at what's working in other places. When we were talking about Sharewares, in NYC, there's bins outside subways where you pop the sharewares things - it's so convenient to use the reusable cups for coffee, because you can drop them everywhere. In Vancouver, we drink a lot of coffee - but make it more of a process that (the stores) have to use (reusables). Like, everybody has to use reusable inside, and a percentage of your outgoing cups have to be reused; make it a requirement for companies.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Goatote proposed partnership with Vancouver	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Universities - make it cohesive across campuses	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Collaborate with cities to incentivize reusable cup programs like the one in Berlin and disincentivize takeout containers.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Support packaging free items at farmers markets and elsewhere	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Encouraging reuse at universities, schools, hospitals, publicly funded organizations and other sectors. Work with education facilities to expand systems like UBC's mindful moveout (will need support, perhaps case study, funding, tool kit, coalition -group). Encourage healthcare to move to reusables, share info on progress and examples (for example glove use, exam table covers, reusable masks). Work with tourism sector to offer reusable bags, beverage containers, etc. in rooms and develop shared campaign for tourists to travel lighter (footprint); refillable amenities. Collaborate with public sector partners to determine and address barriers.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Developing systems to support reusables in cafeterias, food courts and catering	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Need resources at institutional levels to help with the commercial sector	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Refillable options for detergents, hair/body products and pet food.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery
Incentives for recycling and waste reduction for businesses and individuals -"Too Good To Go," offers immediate financial rewards for businesses and affordable food options for customers	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery
Give discounts for people who bring their own containers for take out or shopping	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery
Can Metro Vancouver work more with the upcoming or reuse cups - the reusables, the Sharewares, that concept that you put it into much more of a have-to-use?	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery
Outlined a potential system for reuse, which would involve recirculating reusable food service ware back into the supply chain through washing and redistributing items rather than disposal	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery
Supporting emerging service providers and mandating reduced use of unsustainable materials could drive change.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery
Promoting and protecting organizations that provide recycling solutions like ShareWares is crucial. Ensuring such resources are visible and supported by the city.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery
Shift from Linear Practices: Work with businesses, including large grocery stores and small enterprises, to reduce waste and promote refillable products and packages.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery
Engagement needed Reward system for businesses going in the right direction? If they are reducing waste produced compared to their industry sector, they should get incentives to do so	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery
Ask schools to try and make the cafeteria food more sustainable (variable portions, etc).	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Encourage supermarkets to revive collection points for recyclables, similar to pre-COVID practices. Partner with green businesses to handle heavy recyclables, such as furniture, or promote reusable packaging like plastic boxes for pastries instead of mixed materials.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.

IDEA	Strategy Option	ID	Action Option
Organizations that regularly host events	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Existing smaller scale reuse models don't scale per se, we need to think more broadly and build partnerships and relationships to seek and implement solutions.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Suggest the establishment of industry-specific tables Metro Vancouver should see what the sectors are whose pivot to circularity would help the region reduce landfills. These tables could target top sectors like construction and demolition, textiles and food. -They would serve as forums for collaboration with multiple stakeholders, including NGOs, government bodies, and industry leaders.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Working groups and committees: Establishing targeted working groups to address specific waste streams or challenges, drawing upon the expertise of relevant stakeholders. NOTE: The participants appreciated the work of the National Zero Waste Council in this regard, but the focus was on increasing local actions.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Reduce use of non-reusable foodware by requiring, incentivizing, supporting and/or promoting reusables for on and off-site dining(to-go or delivery).	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Investigate further steps to promote business-business reuse platforms	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Work with grocery stores to pilot reusable containers	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Allow bring your own pizza containers (In response to Thinking of how we purchase, use, reuse, repurpose, recvcle and throw things away in the region, what could be better in the future than it is today?)	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
Support libraries to send surplus books for reuse and recycling	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID051	Support libraries to send surplus books for reuse and recycling through education.
Develop measures to improve the reuse experience for consumers	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID053	Co-develop measures to improve the reuse experience for consumers with national plastics waste reduction organizations and retailers.
More incentives for consumers and companies for reuse, especially items that are widely dispersed like bags.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID053	Co-develop measures to improve the reuse experience for consumers with national plastics waste reduction organizations and retailers.
Evaluate the feasibility of a 'reuse mall' model, similar to Eskilstuna in Sweden	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID054	Evaluate the feasibility of a 'reuse mall' model.
Zero-waste initiatives, stores, movements	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID054	Evaluate the feasibility of a 'reuse mall' model.
Develop metro-wide connected reuse programs for foodservice/beverage takeout ware	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID055	Evaluate the feasibility of a regional-scale reusable food serviceware system.
Expand reuse events to sites beyond recycling and waste centres.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region.
Would like the Zero Waste Center to have a spot for canning jars. You're not supposed to paw around in their bin of glass, but they kind of turn a blind eye. Let's actually have a section where people can put useful stuff where people can reuse and recycle.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Providing all reuse options at transfer stations (ahead of the scale / before it touches the ground).	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
No salvage options at transfer stations.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Expand and make regular pilots like the Urban Repurpose resale store is allowed to do @ North Shore Transfer Station -"intercept" people throwing away usable items. Expand it to staff taking reusable items as another category as a permanent feature.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Infrastructure and economic incentives: Suggestions included exploring options for land access and financial support for recycling and reuse facilities, particularly for depots and for exploring innovative processing technologies that would build local recycling and a more circular economy.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Investigate the possibility of a free store at regional facilities	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Design new sites and future redesigned sites with reuse in mind	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Pilot self-service donation containers	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Incorporate training and education on reuse into service agreements for recycling and waste centres	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Expand and enhance existing sharing and reuse programs	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Have collection of reusable items at disposal locations as per North Van pilot, but permanent (Whistler as example https://mywcss.org/social-enterprises/re-use-it-centre/)	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region
Deliver to places that can re-use or redistribute products no longer used (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region.
Encourage reuse and exchange of materials	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region.
Expand reuse across the region, for example making space available for reuse operations/organizations on-site.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID056	Continue to scale up reuse drop-off at Metro Vancouver recycling and

IDEA	Strategy Option	ID	Action Option
Develop resources to address misconceptions about material reuse and recycling efficiency.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID084	Incentivize the commercial and institutional sector to implement refill/reuse systems.
Encourage more residents, businesses, and NGOs to consider reuse and repair	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID084	Incentivize the commercial and institutional sector to implement refill/reuse systems.
Invest in reuse solutions and pilots (more drop off infrastructure, reuse first at regional facilities by providing separate areas for working/reusable items to be placed	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID084	Incentivize the commercial and institutional sector to implement refill/reuse systems.
Create Zero Waste Event Guide	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Develop tools, such as a guide, to support event recycling	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Work with the tourism industry to promote local zero waste initiatives	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Reduce and divert waste at special events	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Develop a Zero Waste toolkit for festivals and events.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Supporting Waste Minimization and Diversion at Special Events	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
An area we could really have a larger impact, with a lot of people, is community events. I see large-scale community events where there's a lot of food vendors, lots of thins going on, and even though there are recycling stations at many of the events, at the end of the day it's always a huge amount of garbage because of things being sold and used in doing these events. As she mentioned, she's trying to do at Trout Lake Community Center, they've been pushing to rethink how they do community events, by asking people if they provide food at an event, they'll think about food that's not requiring plates and utensils and bowls. This is something we could push for on a community level, and/or something to bring awareness of the kind of trash we create.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
We need to support good coordination for events to have good diversion. With managed waste coordination, you can get 70 to 80% diversion.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Create more events that incentivize people to divert waste e.g. Binners'	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Community Outreach and Partnerships: Partner with schools, community organizations, and newcomer services to integrate recycling education into existing programs. Collaborate with festivals, local events, and volunteer activities to promote waste reduction and proper recycling practices.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Increase consumer confidence in cup share programs through reuse certifications	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Recycling education to the public at events such as the salmon system	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Zero-Waste Events: Organize events, workshops, and campaigns to engage the community and raise awareness.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Collaboration: Partner with businesses to develop shared solutions, such as bulk refill stations or standardized, recyclable containers that can be reused across brands.	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Expand access to public drinking water fountains	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Campaign to reduce bottled water use -public fountains, not for sale in MV + muni facilities and those getting public funding, map where they are (ties to equity), provide water wagons at events. Look for partners (post-secondary is good sector to approach) -work has been done , see what gaps exist both in the programming and in the public's awareness of these options/campaigns (ties into inclusive)	**3.4. Work with event organizers, businesses and institutions to increase reuse**	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
Encourage or facilitate inclusive and networked neighbourhood-scale projects such as lending libraries, repair clinics, and reuse exchanges for tools, equipment, electronics, furniture.	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.
Increase awareness of free libraries to promote reuse and sharing	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.
Run a halloween costume swap and repair event	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.
There is interest in delivery of education on sustainability practices for reducing, reusing, recycling, composting and minimizing. Also there is an interest in promoting access to ethical and durable products through partnering with industry.	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.
MV should promote, support, and expand local Buy Nothing groups and other citizen efforts. Mobilize these Buy-Nothing groups, they build community. What do we need to scale them?	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.
Implement reusable toilet paper at home; 'family cloths'	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.
The Buy Nothing Groups are wonderful for redistributing stuff we no longer need	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.
The past three years she's been part of a food redistribution service. They get donations from a grocery store that are just about expired; with her neighbours they sort it and distribute it among different people in their neighbourhood. She likes that because she finds a lot of excitement in using what's on hand. She never buys or goes out and gets something to use, she uses what comes to her naturally. So this food she's grateful for, but at the same time, she's generating way more waste this way, prior to receiving all this bounty and abundance being diverted from landfill.	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.
Need community level approach to solutions, e.g., One Planet Saanich.	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.

IDEA	Strategy Option	ID	Action Option
Develop community strategies, opportunities, and partnerships to increase reuse and recycling and avoid waste	**3.5. Increase access to reuse, refill and repair**	ID058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.
Establish a Waste Reduction Initiative Fund by allocating a portion of the regional solid waste budget that will provide grants to assist non-profit reuse organizations/initiatives on an annual basis.	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Subsidies, Rebates, Grants for Actions that Avoid, Reduce, or Reuse Waste	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
In the UK 80% of the disposal cost is tax. This was then set aside for grants and projects to help recycling.	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
We love seeing what other creative recycling programs are doing. Specifically, Raven Recycle in Whitehorse. As glass was not recyclable in the Yukon, they recently purchased a specific type of kiln and partnered with the local glassblowing community. They have an artist residency programs that gives artists the ability to pull any materials they want from the depot. Generally speaking, ways to involve the community in different ways, and to engage artists inusing found/recycled/sustainable materials.	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Support organizations like Binners' projects in more ways than just coffee cup revolution funding (e.g. Waste Control Services hires Binners' to help with waste audits)	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Funding constraints: Allocating sufficient financial resources to support the development and implementation of inclusive waste reduction programs, particularly for initiatives that may not generate immediate revenue.	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Small incentives to recycle / up-cycle	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Community-Led Recycling Events: Organize "Recycling Parties" to promote mutual aid and incentivize community responsibility.	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Establish a community-based waste reduction grant program	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Provide funding for non-profit reuse organizations to help offset costs for managing unusable donated items	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Local orgnaiziations, local buildings, local binners	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
"Textile hub" as grounding place - commissary studios a. Needs to have access to equipment and skill holders b. San Francisco had an artist in residence at the dump - pay to elevate the quality of the garbage and can create things out of what is coming in c. Weaving with recycled materials d. Making rope is simple with scrap fabric	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Encourage community-clean up days	**3.5. Increase access to reuse, refill and repair**	ID059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
Form a zero waste innovation fund with like-minded partners	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Support a waste minimization and innovation fund - seed funding to encourage and enable creative reuse, repair, refurbish, etc, and generage economic opportunities	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Explore circular economy funding opportunities for organizations and businesses	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Assess the merit of a 'reuse impact fund' to support and grow reuse organizations	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Program for business to apply for funding for reducing single-use by switching to reuse	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Provide grants to sector-specific innovation challenges that support local circular economy innovators	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Metro Vancouver should explore the possibility of incentivizing businesses to hire sustainability analysts	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Metro Vancouver should establish grants for businesses engaged in practices that advance sustainable industry practices and the circular economy and reduce food waste	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Support (financial, recognition, promotion) to individuals, groups, and businesses already modeling the themes, especially support for small business.	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Support businesses that repurpose waste into usable goods	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Could there be programs for companies to incentivize reuse, norming it, see the benefit of reduction, and have space to try different things (e.g., reverse logistics)?	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
More support for switching to reusable alternatives	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Public/corporate sector: Share cost benefit analysis - increase companies like Reusables or mug-share but make the business case for greater uptake	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Incentivize Sustainable Practices: Offer tax breaks, grants, or subsidies to businesses that adopt refillable, reusable, or compostable packaging.	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Tourism Richmond offered a $2000 in 2024 for businesses that work with pre-approved service to green their business.	**3.5. Increase access to reuse, refill and repair**	ID060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
Develop, support, operate a Resource Recovery Network - a network connecting independently operated, non profit and community based reuse and repair initiatives	**3.5. Increase access to reuse, refill and repair**	ID061	Foster the development of a network that connects independently operated, non-profit and community-based reuse and repair initiatives.
Building community connections (I'm thinking about we deepen the share economy and create more opportunities like a Thingery (a shared repository of items borrowed) that support mutifamily living) Finding ways to balance delivered items (highly accessible) with reducing the waste connected to it (packaging, emissions) A Use What You Have campaign with videos on how to repurpose things, especially textiles if you're not into sewing.	**3.5. Increase access to reuse, refill and repair**	ID061	Foster the development of a network that connects independently operated, non-profit and community-based reuse and repair initiatives.
Integration and promotion of more sharing structures, for example: a. expansion ofcommunity library services- some already lend books, digital equipment, musical instruments,puzzles...could they offer more items to share amongst the community? b. community centresusually have sports equipment for onsite sports- could they expand and develop short-termrental/lending of sports equipment to the community? c. could Cities/Metro Vancouver offerlocations for neighborhoods to administer their own community sharing spaces?	**3.5. Increase access to reuse, refill and repair**	ID061	Foster the development of a network that connects independently operated, non-profit and community-based reuse and repair initiatives.
Networks for reusing common items (e.g., social network groups, apps, etc.) Make the networks convenient and inclusive, remove time and location constraints. Consider creating hubs for reuse (must be curated to prevent from becoming junk piles)	**3.5. Increase access to reuse, refill and repair**	ID061	Foster the development of a network that connects independently operated, non-profit and community-based reuse and repair initiatives.

IDEA	Strategy Option	ID	Action Option
Connect newcomers with sources of second-hand items to facilitate reuse	**3.5. Increase access to reuse, refill and repair**	ID061	Foster the development of a network that connects independently operated, non-profit and community-based reuse and repair initiatives.
More research and developement on smart materials and skill-sharing for salvage & repair/reuse programs.	**3.5. Increase access to reuse, refill and repair**	ID065	Research and trial additional ways to scale reuse and repair.
Evaluate the feasibility of a 'reuse warehouse' to facilitate storage and repair of reusable items	**3.5. Increase access to reuse, refill and repair**	ID065	Research and trial additional ways to scale reuse and repair.
Reuseable cup pilot	**3.5. Increase access to reuse, refill and repair**	ID065	Research and trial additional ways to scale reuse and repair.
Provide convenient recycling and donation program in residential buildings	**3.5. Increase access to reuse, refill and repair**	ID086	Work with multi-family buildings to increase donation collection options for reusable streams such as clothing and books.
Use free services that local charities provide to collect multitude of items that are currently going into garbage	**3.5. Increase access to reuse, refill and repair**	ID086	Work with multi-family buildings to increase donation collection options for reusable streams such as clothing and books.
To optimize the current program, we should look at a dedicated reuse service provider, consistent and convenient return options, sanitization and quality control, a circular redistribution system, sustainable end-of-life management, and a tracking system	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
a lot of people have mentioned desire to have spaces to fix bikes etc. so would be something of interest, is this something you're funding? Or do you set up the café?	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Host events with experiential learning opportunities around repair and/or equipment lending (i.e. clothing, bikes, electrical applicances)	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Sharing Space/Swaps/ Library/Repair Cafes (for various materials)	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Community reuse events	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Host an annual Repair and Reuse week, bringing businesses, local governments, and non-profits together to help citizens build skills and awareness around reuse and repair	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Bi-annual junk swap	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Community events such as the clothing swap by threading change	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Foster a culture of waste reduction through social programs	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Promote repair and reuse through fix-it workshops and reuse centers	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Create community spaces to encourage the reuse of clothing, electronics and furniture	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Education programs on where folks can go to fi x, buy or recycle things.	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Clothing swaps - they want to host them; start the conversation with their community about textile waste	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
More information sharing about the repair cafe, spreading the word more	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
City of Vancouver used to have a once a month time where they let people exchange things. But the zero waste depot, it would be great if they would let people go in and share things.	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Promote Shared Responsibility: Shift the focus from individual to community responsibility through collective initiatives and support systems.	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Consider partnering with post-secondary institutes on what education and services can be offered (e.g. repair). Also advocating to ensure any barriers such as liability are addressed.	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Consider partnering with post-secondary institutes to support sharing networks and also consider them as a source of sharing (space for community events for example)	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Support maintenance of items	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Theme nights, parties around clothing, volunteering, bring people together/ offices/ friends to thrift and sort clothes.	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Integrate building developers for workshop spacesso customers and the industry can sell or exchange excess fabric for example or do mending.	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
More shared spaces, more communication about where we can use spaces for swaps, in particular for industry swaps, use up each others overages	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Free clothing swaps, city sponsored or city organized.	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
More clothing swaps, more free stores	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Make Repair Cafes more accessible	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
More opportunities for reusing/repairing	**3.5. Increase access to reuse, refill and repair**	ID166	Support increasing the size, number and frequency of repair and reuse events around the region.
Provide a small honorarium to organization to obtain data from different data sources (e.g. FoodMesh collecting data from food rescue organizations outside of the Food Recovery Network)	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Support collaboration among surplus food generators such as retailers and distributors, hunger relief organizations, community partners that can connect food rescue with community well-being such as healthcare providers and faith-based organizations, those experiencing food insecurity	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Strengthen food redistribution throughout the region	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Develop a food system map that reflects the production, distribution, and waste flows, and quantify its current state	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Form partnerships with the local health authority, school district, First Nations and community groups to explore ways to feed hungry children at school with recovered food donated by food retailers	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Support the development of/access to commissary kitchens to facilite food waste innovation/upcycling/maximizing food utilization	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Deepend relationship with FoodMesh to build on food waste measuring and monitoring data collection, food recovery, and socializing food rescure amongst ICI	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
deepen institutional food recovery collaborations	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Social equity and food security is a bigger issue in the future Diverting food waste to organization that use it (e.g. Food Stash) for others that need the food waste to reduce the food insecurity	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.

IDEA	Strategy Option	ID	Action Option
Having a concrete plan and structure on how to reuse food quickly -- perhaps a commissarykitchen with professional chefs and food service professionals being paid a living wage, so thatthey can tackle food waste, innovate food circularity, educate the public, and help fight foodinsecurity by giving back nutritious food to the community. It will take investment, but it willhave lots of ROIs with respect to the environment and the health of the public.	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Expand food donation programs	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Implement measures to reduce food waste such as: encouraging food businesses to sell near-expiry food at discounts	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Partner with food banks to reduce waste and educate.	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Create business ecosystems for reusing waste materials (e.g., unsellable BC farm products going to food banks instead of landfill).	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Second Harvest and Food Waste Collaboration: Partner with organizations like Second Harvest and foodwaste.ca to redistribute surplus food to community kitchens, reducing food waste.	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Encourage businesses and restaurants to donate leftover food instead of discarding it.	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Allow people to take expired grocery items at a reduced cost or through a liability waiver.	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Make food waste prevention a big priority for the new plan	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Foster cross-department collaboration on food security	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Develop systems to support food sharing /recovery + share successes. Ex: Food Mesh / Foodstash / Vancouver Food Runners	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Clarify what can be donated: Ex: surplus food from buffets can be donated	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Collaborate on Food Waste Solutions: Partner with organizations addressing food insecurity to redistribute surplus food and collect food waste directly from businesses and households.	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Integration of AI technology to analyze, predict, and optimize food redistribution, ensuring edible surplus food reaches those in need and waste streams are efficiently managed.	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Food donation programs have proven to be successful and could be expanded. Partnering with organizations like the Greater Vancouver Food Bank can help make donations more accessible for businesses.	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Help figure out a funding mechanism for food recovery efforts/orgs; and put more resources into education and awareness around the benefits of food waste reduction for businesses (e.g., saves them money [lowers food and hauling costs], better for the environment, builds team morale, supporting nearby charities with donations, etc.).	**3.6. Scale efforts to recover food**	ID067	Maintain and scale the regional food recovery network.
Continue to share results across Metro Vancouver and look at other ways to foster cross-department collaboration on food security	**3.6. Scale efforts to recover food**	ID068	Continue to share results of food recovery initiatives across Metro Vancouver and look at ways to foster cross-department collaboration on food security.
Map out food recovery assets/food waste solutions per stage of the food supply chain	**3.6. Scale efforts to recover food**	ID069	Further map out food recovery assets/food waste solutions per stage of the food supply chain, including a focus on clarifying what foods can be donated to people and animals.
Reduce food waste	**3.6. Scale efforts to recover food**	ID069	Further map out food recovery assets/food waste solutions per stage of the food supply chain, including a focus on clarifying what foods can be donated to people and animals.
Implement a Food Waste Reduction Strategy	**3.6. Scale efforts to recover food**	ID069	Further map out food recovery assets/food waste solutions per stage of the food supply chain, including a focus on clarifying what foods can be donated to people and animals.
Focus on food waste prevention for restaurants, ensuring food efficiency (in grams of food wasteper cover) is tracked. If not tracked, businesses should pay more taxes. And this money shouldhelp finance food waste audits or education.	**3.6. Scale efforts to recover food**	ID071	Work toward getting a complete set of food recovery data for the region, and consider incentives to encourage reporting.
Promote the use of available commercial programs, to enable restaurants to measure, and then reduce food waste by improving food purchasing, storage and preparation methods	**3.6. Scale efforts to recover food**	ID071	Work toward getting a complete set of food recovery data for the region, and consider incentives to encourage reporting.
collaborate with other levels of gov't to establish food waste measuring and monitoring protocals, harmonized methodology, and consider how to support the development of an aggregated data sharing platform	**3.6. Scale efforts to recover food**	ID087	Work with industry experts and food related sectors to develop a practical guide to measuring and reporting food waste reduction efforts to facilitate development of a complete set of food recovery data for the region.
Holistic Approach: Highlight that recycling should be the last resort, focusing first on reducing and reusing. Share success stories and case studies to inspire and motivate residents to take action.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Consider educating the public on how to consume more wisely (chemicals to be concerned about, footprint of products, how to assess quality and what a lifetime cost may be, sharing consumer reports through libraries, etc	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Apply Metro Vancouver's expertise in behaviour change campaigns for reuse	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Deliver behaviour change-based approaches focussed on sustainable consumption, aligned to Let's Do Net Zero communications	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Interested in more campaigns to educate on the idea that recycling materials can be a resource, thinking about stewarding waste	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Plan and implement changes in people's behaviour. Example of behaviour change initiatives implemented by Metro Vancouver: Superhabit campaign – reducing single use items in daily life, Christmas campaign – rethinking gifts and not creating more wastes	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
News advertisements - get stories on the news to promote waste disposal. Build a new media campaign.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Create a robust marketing campaign to help educate and also highlight the successes of the system. Market it across various outlets to reach residents connected to the internet and those not, E.g., YouTube, posters, person-to-person, surveys, etc.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Stop creating, marketing, advertising, and selling new fashionable clothes, apparel, and shoes for five years. Educate consumers to use these items for at least five years.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Support neighbourhood sharing networks + supporting other sharing systems (Tool Library, Thingery) + strata sharing programs.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Consider a campaign to encourage enjoying the coffee or meal (dine in, not fast eating)	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.

IDEA	Strategy Option	ID	Action Option
Continue and expand the Think Thrice Campaign/encourage circularity in clothing	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Collaborate with community groups. Metro Vancouver could work with diverse community groups, cultural centres, faith groups and immigration/settlement services to seek input on opportunities to further promote existing and future public education and behaviour change campaigns to their communities, such as Think Thrice and Create Memories, Not Garbage.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Inform people about what they can recycle, particularly around the holidays	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Community members have mentioned awareness campaigns and events for waste management and a sharing economy, funding a community member project for local actions and clean ups.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Focus efforts on behavioural change, instead of where processing occurs (in, or out, or region)	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Mentioned transportation and reducing car use. Looking at techniques to reduce waste while doing laundry.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
I totally agree, regulation and enforcement are key missing components to me. However, in the meantime, I do believe that my individual actions (and sharing reasonings for those actions with others) is what I have control of currently.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
(Create bite-sized, digestible and appealing scripts to encourage the desired behaviours) Have a BETTER, brief by-line, a better way of trying to explain WHY we CAN do individual contributions - something in the back of our heads to reach for whenever the opportunity comes up	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Behaviour change; people not following the right actions; we need to be letting them know what they can do.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Lack of information, lack of awareness. People sometimes want to do more, but they don’t know what they could be doing. Information and sharing the possible alternatives for consumer behaviour would be a very important pathway to follow.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Build social norms and apply community-based social marketing principles to create a reuse, recycling, circular culture, making that the default option by making it cheaper and easier to do	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Hear a lot that individual actions don't matter a lot, but I would like to know how much money I am saving from recycling clothes, from sewing your own clothes, or from bottle deposits, If this information was given to me	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Climate change is daunting issue; but recently learned that only 3.5% of people need to actively make change to solve this, so need to share that people CAN make a difference	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Incentivizing sustainable practices and making them affordable is essential.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Engage with unions. Recycling and zero waste has a classist fit to them. Status symbol. Lifestyle flex. People feel ashamed because they don't have the time or can't afford to make those lifestyle changes. How to engage with those that don't have a lot of resources	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Continue and expand education to family housing: Amplify Love Food Hate Waste campaign.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Support reusable menstrual solutions instead of single use	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Reworking garments for creative advertising options	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Ads about where to recycle clothes	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Educate people around fabric recycling	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Fabric content knowledge is important	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Build reuse education and awareness into communication about bulky items	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
develop and implement a regional food waste prevention campaign for food businesses from the point of processing to retail	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Government should support the education piece. Trying to set up community bulk purchasing. Going back to developing countries, a lot of people are buying single use because they can’t afford the higher quality reusable options. In the long run, bulk systems can help reduce costs.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Need for circular economy, quality materials/products that last, and repairing items rather than disposing. Everything is valued, and the rest is energy.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
New campaigns for higher-quality items	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Create new norms - Programs like cupshare at cafes, discounts if you bring your own container	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Promotion and Education: Encompass community and make sure people understand what circularity and the 3Rs are. Change happens with knowledge	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Greater education on end of life for items: reuse or adapt things to keep using items	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Bring Your Own Cup challenge	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.

IDEA	Strategy Option	ID	Action Option
Educate on not buying plastic items (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
promotion of reusable personal products (ie. cups , take out containers) (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Making waste reduction fun and competitive (Metro the best) (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Work on minimizing the waste through stronger education campaigns (In response to Thinking of how we purchase, use, reuse, repurpose, recvcle and throw things away in the region, what could be better in the future than it is today?)	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Reduce reliance on disposable products	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Leverage affordability concerns to motivate the movement away from a disposable culture	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Encouraging workplaces to bring their own cutlery.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Life cycle analysis to understand the persistence of materials like plastics in the environment	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Engaging and educating the community: Implementing comprehensive education campaigns targeted at schools, community groups, and the broader public to raise awareness, promote responsible consumption habits, and foster a sense of community ownership over waste reduction efforts.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Increase awareness of food recovery apps	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Review policies and publications for language that "assumes" waste generation. For example revise "demolition" to "building removal" and "construction waste" to "construction excess resources"	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Expand our lexicon for sustainability e.g. a margarine or yogurt container is an example of a reusable takeout container	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Working with offices (lunch and learns) and education on reuse, e.g., get everyone to bring their own coffee cup.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
Campaigns in key languages for region	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID077	Promote bring your own cups and bags and other reusable items, including fun new elements and co-developed messaging that resonates with residents with a diversity of cultures and values.
Collaborate with diverse communities to support campaigns (meeting communities where they are)	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID077	Promote bring your own cups and bags and other reusable items, including fun new elements and co-developed messaging that resonates with residents with a diversity of cultures and values.
Encourage reuse of items and reducing waste before recycling	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID077	Promote bring your own cups and bags and other reusable items, including fun new elements and co-developed messaging that resonates with residents with a diversity of cultures and values.
Promote reusable alternatives	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID077	Promote bring your own cups and bags and other reusable items, including fun new elements and co-developed messaging that resonates with residents with a diversity of cultures and values.
You need to make it not socially acceptable to throw items away that can be reused, repaired or recycled. Reference the "Participaction" campaign in the seventies that got a generation of Canadians moving and investing more in their own health	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID077	Promote bring your own cups and bags and other reusable items, including fun new elements and co-developed messaging that resonates with residents with a diversity of cultures and values.
Promote conversations that instill the values of waste reduction as a community responsibility and benefit.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID077	Promote bring your own cups and bags and other reusable items, including fun new elements and co-developed messaging that resonates with residents with a diversity of cultures and values.
Develop programs that encourage visitors to participate in waste-free activies and living	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Looking for ways to shift people's perspective on what is considered waste. Education campaigns aimed at businesses, tourists, residents	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Education - Most people don’t understand english, so it’s hard for them to recycle. It’s important to teach people in different language	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Translated into languages outside of English to reach broader audiences. Immigrant communities- identify the top languages spoken in Vancouver. Construction industry – high waste production and material use - Industry needs to become more circular and reduce waste.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Translated posters are a great idea to increase accessibility.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Making the webpage or introducing a system of videos for teaching immigrants how to use the recycling system in BC	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Proper waste education for older generations	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Provide multiglingual education materials to reach diverse populations	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Provide welcome kits for newcomers which include waste management guidelines	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Encourage cultural shifts through community parnerships, education, and engagement with newcomers to align diverse habits with local recycling practices	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Need new space guidelines for solid waste/recycling management in multi-unit residential buildings, as more recycling streams have been introduced over time	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Different cultures, different languages	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.

IDEA	Strategy Option	ID	Action Option
Provide multilingual education about proper recycling. I do think that; you know, we said we have a few little advertisements, like the think thrice textiles campaign; Well, can we get similar things into our multicultural local channels and things like that, because we want EVERYBODY to know	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Create more community programs and education resources (in multiple languages)	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Create education programs for immigrants to familiarize them with waste systems.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Propose that Metro Vancouver engage with communities in their languages and leverage social media and other community-based platforms, not just on how to recycle but also on why - developing multilingual, culturally relevant resources, hosting community-driven workshops, and promoting pathways to green careers	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Immigrants crave belonging, and by engaging with them in a way that empowers them, we will not only achieve environmental outcomes, but help build a diverse and inclusive workforce in sustainability	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Based on study in Surrey, 50% are not participating effectively in the waste management programs	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Showing that actions have a positive result can go a long way, as many immigrants come from countries where the government is deeply mistrusted	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Metro Vancouver should go to immigrant communities to talk to people who have just moved and initiate a dialogue rather than a one-way conversation	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Transit ads (eg Richmond) w/ QR code in multiple languages and graphics/ photos for accessibility	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Integrate into Daily Processes: Provide recycling and green bin instructions in newcomer welcome kits and workshops. Ensure that waste reduction messaging is part of routine interactions, such as utility bills, online portals, or public announcements.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Research barriers for people to access programs, such as newcomers; work with organizations already working with these demographics to conduct this research	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Acknowledge different perspectives and cultures e.g. reuse is already happening in the homes of many newcomers, it may just look different than what we typically envision	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
New immigrant groups could support teaching newcomers about recycling.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
There's no risk/reward balance for individual recycling choices. For individual choices: make it more interesting/gamify it	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Expand Education and Awareness Campaigns: Develop multilingual guides and visuals tailored to diverse communities, including newcomers. Implement workshops and civic education for both adults and students. Use gamification apps to incentivize recycling by offering points and redeemable rewards.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Support for Newcomers: Collaborate with immigration departments and newcomer organizations to host events and workshops on recycling systems tailored to diverse communities.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Simplify the System: Make the recycling system less complex for newcomers with straightforward materials like a “101” guide.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Workshops for newcomers, those who speak a different language, and different age groups including children. Promote where people already are, such as places of worship, community centres, community events, schools, etc.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Culturally Specific Engagement: Tailor communication and outreach to cultural values, ensuring information is linguistically and contextually appropriate. Leverage festivals or events specific to cultural communities to spread awareness.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Cultural and Contextual Relevance: Include recycling education in newcomer workshops and resources. Make content culturally relevant and provide targeted messaging for different demographic groups.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Tailored Education Programs: Offer waste management workshops targeting newcomers, non-English speakers, and individuals with cognitive barriers.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Create a formal program for educating immigrants on proper waste sorting.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Cultural Ambassadors: Partner with community organizations to train cultural ambassadors who can educate and assist newcomers.	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Language translation to make information accessible for newcomers	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Free workshops/programs hosted by schools, community centres, “Welcome to Canada” orientations	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
This project / initiative is part of the larger initiative of the Zero Waste Conference - her organization is going to present to Metro that there needs to be ways in which we can communicate to newcomers to Canada; first generation immigrant Canadians. When she came here 8 years ago she had no idea about recycling, waste management, or the entire concept around what recycling was. There has to be some content that is delivered, keeping in mind different cultural sensitivities and different language.There are barriers faced by people not related to this land. And people who’ve been here for 20 to 25 years not acquainted with this system - we have to close that gap. One way Metro can ease that is by collaborating with those communities	**3.7. Encourage and celebrate residents and bu**	ID078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
Metro Vancouver should consider creating city awards or recognition programs to showcase and support businesses that prioritize waste reduction and sustainability	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID089	Develop and implement an annual recognition program to celebrate businesses in the region for reuse, refill, and repair programs and initiatives.

IDEA	Strategy Option	ID	Action Option
Encouraging sharing systems in communities (so far seen as renting items from private companies or borrowing from libraries, tool libraries, thingery and in much more informal structures	**3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices**	ID089	Develop and implement an annual recognition program to celebrate businesses in the region for reuse, refill, and repair programs and initiatives.
Need a facility to process the auto shredder fluff to recycle more materials	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Develop new reduction, diversion and recovery strategies targeting paper and plastic	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID109	Research and advocate for improvements to the recyclability of plastic-lined paper products such as coffee cups.
Also want to add - more pressure on supply vendors at the large scale (i.e., Amazon, Staples) to use easily recyclable packaging products, or support for smaller vendors such as Eddie's Hang Up that may have less control over their packaging.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID109	Research and advocate for improvements to the recyclability of plastic-lined paper products such as coffee cups.
Advance reuse and recycling of material in local markets (C&D, plastic, organics, concrete/asphalt)	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Recycle concrete	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Permit the use of recycled concrete aggregates in new concrete for minor works and low risk applications.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Look into increasing the number of contexts in which the use of recycled aggregates is permitted.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Streamline the process of approving the use of recycled aggregates.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Establish clearer and context specific quality requirements.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Clarify environmental regulations with respect to using recycled aggregates.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Standardize and regularly update regulations on recycled aggregate use across member jurisdictions.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Reduce the reliance on contract administrator approval.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Set municipal and/or regional aggregate recycling targets.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.
Support compost markets by purchasing back materials	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID111	Support recycling markets by purchasing recycled products including compost.
Give access to compost to create soil fertilizer from excessive food scraps	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID111	Support recycling markets by purchasing recycled products including compost.
Enhance partnerships with the Province, industry, academia and community groups to research and develop solutions to overcome barriers to reuse and recycling and new opportunities to re-engineer recycled material	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID112	Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
Promote the use of recycled material in new products	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID112	Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
Support the development of markets for recycled materials	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID112	Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
Collaborate with industries to incorporate recycled material into new products	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID112	Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
Develop sustainable end-use markets for recyclable materials	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID112	Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
The development of further processing (value added) that can use recycled products in our cities infrastructure. Such as turning plastics into manhole covers, drain covers, plastic polesetc.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID112	Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
Creation of government programs beyond SR [scientific research] & ED [experimental development] Tax credits to ignite faster changes and developments in material innovation for the product creation industries.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID112	Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
Reduce the cost of entry to the market within the Metro Vancouver region with incentives and partnerships	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID112	Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
Mandated post consumer recycled content through bylaws	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID113	Work with national plastics waste reduction organizations and others to understand and address barriers to increased recycled content in plastic products and packaging.
Ensuring recycled materials remain competitively priced against raw materials can incentivize adoption.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID113	Work with national plastics waste reduction organizations and others to understand and address barriers to increased recycled content in plastic products and packaging.

IDEA	Strategy Option	ID	Action Option
Recycling programs should prioritize economic viability and reverse logistics. Lessons from successful programs, like plastics recycling, should be applied to other waste streams.	**4.1. Promote design for recyclability and the use of recycled content in products and packaging**	ID113	Work with national plastics waste reduction organizations and others to understand and address barriers to increased recycled content in plastic products and packaging.
Improve access to bulky item recycling	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Explore options to increase the efficiency and reduce price of curbside and multi-family collection of bulky items - then divert reusable items to charitable organizations for resale, reuse community and recyclable items to processing facilities.	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Provide regularly occurring bulky waste collection service, with particular emphasis on multifamily communities and lower-income households.	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Bulky Waste Diversion Strategy	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Offer large item disposal days or drop-off events	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Consistent approach to mattress and large item pick up to reduce dumping	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Implement regular large items pickup programs (Xmas tree, mattress, TVs, etc.)	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Support programs for depot deliveries / help	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Make it less expensive to do the right thing. Enforce a deduction or incentive to do the right by recycling eff orts. E.g. Invest in a collection service.	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Promote Consistency Across Municipalities: Standardize recycling and solid waste disposal rules across municipalities to simplify the process. Implement consistent protocols for large-item disposal to prevent illegal dumping.	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Incentivize large item pick up and other waste stream collection at multi-family buildings e.g. have a certain day of the month for electronics pick up	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Pick-up services for items not included in standard recycling	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Address illegal dumping by including housing sites in bulk item collection programs offered in municipalities.	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Contract a reuse partner to pick up furniture	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Explore policies and programs to support bulky-item reuse opportunities in multi-family units	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Repair Cafes: I'd like to see more of those offered on a donation basis, or organized by places that sell products. I went to Salvation Army and saw tons of kitchen appliances - instead of people putting things in the back alley, why isn't there a better system to give it to some place and they'll try to match it up with someone who will want it - if it's broken, can it be fixed before it goes into the landfill? Places don't fix it because there are no more parts in this thing; it's cheaper to buy a new one, and it's unfortunate that is the mentality - oh i need a new one of these things because buying a used one, isn't feasible. People need to shift that - I give away a lot of things that are useful for other people, but if people don't have that mentality, it just goes in the bin.	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Ensure large item-pick-up items collected are "graded" for reuse opportunities. Like by Urban Repurpose at their North Shore pick-up/free give-away days.	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Localized Drop-Off Sites: Increase waste drop-off points in residential apartments, businesses, and public spaces. Ensure these sites are wheelchair-accessible and conveniently located to minimize travel distances.	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Develop community programs to enable more reuse and recycling. Metro Vancouver could build on ongoing efforts to support reuse and recycling by working with members, non-profits and other stakeholders to develop community programs, such as a volunteer program to transport bulky items to reuse and recycling facilities, toy libraries, and free swaps.	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Usable house furniture for people in need (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**4.2. Enhance EPR programs**	ID064	Encourage collection programs which reduce barriers for recycling large items.
Support a strong BC system for ICI PPP -including EPR (might be more finely tailored by sector according to the materials generated)	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Mandate post-consumer programs from distributors and manufacturers.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Use policy tools to enable local recycling infrastructure	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Undertake a review of the Yellow Bag program for Small Businesses	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Enforce producer responsibility	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Government should regulate packaging for school lunches to reduce waste.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Fast fashion generates a lot of waste—this issue needs to be addressed	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Promote and support waste prevention for textiles and monitor emerging textiles recycling technologies.Looking for economic development and job creation opportunities for textile repair and upcycling.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.

IDEA	Strategy Option	ID	Action Option
Enhance cigarette butt recycling	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
The Provincial Government to develop EPR programs for all plastics, that provide incentives for alternatives to non-recyclable plastics	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Investigate options, barriers and innovations for diverting diaper waste from disposal, and related personal hygenie products, for the purpose of making a case for EPR	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Advocate for EPR for furniture	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
(Advocate to) Prioritize harmonizing policies and programs across the (country) region to enhance MF recycling efforts, including EPR initiatives. This includes aligning recycling systems and creating incentives to foster a circular economy.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Expand the Take It Back! Program	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Textile Waste Diversion Enhancement	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Municipal Hazardous Solid Waste Strategy Development	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Concerns about mattresses being disposed of on roads and ditches in the community. Some First Nations provide a spring and fall pick up for large items every year.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Expand EPR to online services like Amazon (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
More robust EPR to cover more commonly disposed items, incentivizing salvage and recycling with EPR deposits on returnables (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Expand EPR to online sales packaged goods - ie: Amazon (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
From the industrial workwear standpoint, we would like to see 3 things with regards to disposal of flame resistant aramid workwear garments and fabric scraps...1) Metro Van etc to stop throwing their non biodegradable textile waste into landfill, 2) Build recycling points into the public tender bidding process, as the closed loop system for this waste stream is available to all manufacturers supplying you. 3) Use your Metro Van big stick and tell industries to stop putting this type of waste into landfill.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Additional fees for purchasing new materials that are recyclable (EPR)	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Prioritize extended producer responsibility (EPR) for compliance	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Standardize requirements through provincial regulation – need legislation passed to establish a broader approach to long term waste management	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Businesses need to take responsibility for their products and their end life.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Promote expansion of EPR programs so that all items are covered	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Examples of success: Carpet separation in Coquitlam. Over time, more contractors were separating when the infrastructure (designated spot) was there and habits started happening.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
One weird left-field waste issue that has come up with questions to our visitor servicing team. The disposal of bear spray canisters. Many visitors - go into parks and wilderness and purchase bear spray canisters. Disposal of these canisters is considered a regulated hazardous material and so is challenging. Many leave them behind in hotels or other places. They are unused and usually have 2-3 years left before they are expired. We've thought there might be an opportunity to create a re-use or rental program to reduce the number that need to be purchased.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Working with companies to add deposits on toiletries	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
EPR program for textiles	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Extended Producer Responsibility for C&D	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.

IDEA	Strategy Option	ID	Action Option
Product Design and Extended Producer Responsibility (EPR): Encouraging current producers to design products with recyclability and end-of-life management in mind and expanding EPR programs to cover a wider range of products.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Work with the province and other partners to have EPR for C&D materials	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Work to expand the range of EPR programs to include cigarettes/smoking devices, carpet, vehicles, textiles and all consumer products (can include advocacy, waste composition data, bans, supporting the MOECCS staff, etc)	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Push for EPR programs to have ecomodulated fees (for textiles -factor in the challenges of recycling mixed materials, for plastics, factor in harms from plastics) (e.g. France)	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Ask for the additional supportive policies (as noted in the CCME Canada-wide Action Plan for EPR)	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Metro van has a search engine for recycling facilities - maybe not everyone is aware - build it up and SCALE it up and include more reverse logistics a. Do it for the scale of manufacturers b. Scale up and include more c. Making it EASY	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Infrastructure needs to be built in closer areas that you can go to and take EVERYTHING - close proximity community hubs where you can bring EVERYTHING and they transit it out to the appropriate facilities	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Tax on companies based on size of company to pay for the textiles services	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
I think we should be holding clothing brands more accountable for the clothing they produce. More brands should have programs that take damaged or unwanted clothing items back without charge. This could be achieved through policy changes on imported clothing which would likely require collaborating with government.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Financial support and access to unified collection systems for recycling are needed.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Extended Producer Responsibility (EPR): Expand and enforce EPR programs to hold corporations accountable for the entire lifecycle of their products, including packaging. Require companies to manage the collection, recycling, or safe disposal of their solid waste.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Some First Nations are currently exploring the feasibility of a Nation run compost facility, and are hoping to have multiple community gardens to help with that process.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Suggestion that a way to manage fish waste for beneficial use may be helpful as fishing is prominent in a lot of First Nations.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Pay-by-weight or volume for commercial dumpsters. Metro Vancouver could work with private haulers to explore opportunities for testing pay-by-weight or volume systems for commercial dumpsters, to help encourage the ICI sector to be more accountable for the amount of waste they dispose to landfill or incinerator.	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Set up a percentage of fees to be collected for research and development (private sector to spearhead R&D)	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Private sector could demonstrate where innovative technology is in place, for example AI sorting technology in Materials Recovery Facilities (MRF) No appetite for collaboration if you are competing with regulator	**4.2. Enhance EPR programs**	ID116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses.
Define new service level models to align with consumer preferences (e.g., what type of collection services do consumers want and what are they willing to pay for, the 'depot' model may have reached saturation). Intended to apply to EPR programs, could be relevant to local government facilities too.	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Bringing EPR cost recovery up to the point where it fully covers the cost of waste stream management. (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Mining computer waste for critical metals to support green initiatives (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Have producers of products put a value on the packaging so consumers know what packaging is costing them. (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
A lot of products that go in the RecycleBC container could have a deposit system. A deposit system for consumables is a great way to encourage diversion.	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Incentives - Higher deposit fees on more items increases returns in my belief	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Refund system for used paper coffee cups	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Make more useful items refundable	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Raise the price of glass and big bottles again	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.

IDEA	Strategy Option	ID	Action Option
Electronic refunding	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Deposit/Returns systems on all beverage containers!	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Increase deposits on bottles and cans	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Tax unnecessary packaging	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Impose costs on companies that generate significant packaging waste	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Why can't the government raise the bottle deposit to $1 or $2 dollars (to encourage recycling)?	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Is it plausible to create a reward system for recycling?	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Improve monitoring policies and incentives to ensure proper recycling and disposal and reduce contamination, otherwise no investment will be made. Private market can handle recycling if right infrastructure and incentives are in place. For example, there is a huge composting program in Nova Scotia. They have expansive use markets (e.g., landscaping) and there are no market shortages	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Enforce EPR: The stewardship program is there, but is not being enforced.	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Extended producer responsibility is a critical element and fundamental -more products need to be caught up by EPR	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
We've implemented Extended Producer Responsibility. Maybe we need to do Extended RETAILER responsibility, so retailers have incentives to seek packaging-free products!	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Other idea, is put the 10c deposit on almost every kind of container, and then A) people would notice it and start to think, maybe i should start to buy this stuff in something reusable, and B) the binners would get richer; they would have more things to take to the depots, which would be the concentrators where they can. The milk cartons; don't know what happens to them, to glass, etc. If there were 10x as much of it, then someone would figure out some some way to repurpose it	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
ECO fees embedded into the cost of products instead of shown as an additional fee	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Work to improve the quality of the EPR system-particularly with regard to using the ZW hierarchy to support redesign, reduction, reuse, repair, salvage for parts, longer lifespans and durability, better end fates for materials; etc.; fair compensation and paying full costs; accessibility; transparency (chain of custody, financial, contracting); communications. (Can include advocacy, waste composition data, bans, supporting the MOECCS staff, etc)(ties into inclusive)	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Charge deposits on more types of packaging to encourage returns and reuse.	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Work to improve EPR programs with an equity lens (can people keep using the item they already have, will parts and repair be made available for free or at an affordable level, will reuse options support access to lower cost items, can people access recycling options (even without a vehicle), etc.)	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
EPR trickles to the consumer, need to incentivize both the producer and the consumer.	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Looking to improve multi-family recycling by offering incentives to private haulers collecting comingled recycling from commercial and multi-family buildings	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Increase refunds on containers	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Recycling deposits – so little money, not enough incentive	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Suggestion to collaborate on responses to RecycleBC engagement on non-residential packaging and printed paper – presenting comments in coordination to advocate for continuous improvement	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Financial Incentives for Beverage Containers: Deposit return programs for drink containers effectively motivate people to recycle, even when the containers do not belong to them.	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Recycle BC provide more transparent data and work closely with municipalities to achieve waste reduction in multi-family residences. Recycle BC direct service to multi-family buildings has been a success, but jurisdictions have no access to information about how these programs are performing	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Ensure frequency of recycling pick up is sufficient, to reduce contamination in bins	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Collaborate with Recycle BC to more effectively share data, thus increasing transparency and promoting confidence	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Advocate to provincial government to require extended producer responsibility organizations to budget for education on confidence/awareness of their programs	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Incentivize beverage containers—milk containers can now be recycled and money given back. However, confusion still exists around this system	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Advocate for increased deposit rates for beverage containers until return rate is 99%, also ask province to ensure programs develop a reusables system (as is in Recycling Regulation)	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.

IDEA	Strategy Option	ID	Action Option
Push for accountability for producers (e.g. Quebec has fines for non-collection)	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Consider an equity lens and environmental impact when advocating on EPR	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Framework developed where products that cannot be reused or recycled have an environmental fee	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Collection of EPR materials in more locations, Bulky Item collection at all MFs in all municipalities	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Better needle disposal options and signage for those bins.	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Work to level the industry playing field and facilitate healthy competition. Big manufacturers should not be allowed on the board of RecycleBC, as this is potentially a conflict of interest.	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Lobby the Federal Government to inspect/ensure that disposal facilities located on Reserve land meet the minimum provincial environmental standards and provide regular reporting of waste statistics (address waste migration)	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Comments that the interests and priorities of some First Nation are around materials that are difficult to find recycling and disposal options for (i.e. plastics, used oil, mattresses).	**4.2. Enhance EPR programs**	ID117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.
Advocate for full funding of producer responsibility programs and the expansion of residential-only programs to small businesses.	**4.2. Enhance EPR programs**	ID118	Advocate for full funding of producer responsibility programs and the expansion of residential-only programs to small businesses.
Undertake a consultation to explore kerbside collection of textiles	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Include batteries in curbside collection	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Collection of More Materials at the Curb	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Identify Curbside Collection Efficiencies	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Suggestion of a separate curbside pick up time for sytrofoam would be helpful	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Suggestion of a separate curbside pick up time for sytrofoam would be helpful	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
More options to recycle- not so presciptive (In response to Thinking of how we purchase, use, reuse, repurpose, recvcle and throw things away in the region, what could be better in the future than it is today?)	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Curbside pick up of soft plastics/overwrap	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
More recycling options in large apartment buildings outside just paper, cans, glass and organics. E.g. Styrofoam is not allowed to go into the garbage, however, many packages still have styrofoam, requiring the recipient to seek out Recycling Depots (there is only on on Powell that will take it). that seems counterproductive considering the amount of styrofoam being received daily in delivered packages. Since the material is not banned, there need to be easier recycling options to ensure it doesn't end up in the garbage.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
We should have more recycling choices like soft plastics and styrofoam.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Expand curbside recycling programs to include more items like soft plastics, styrofoam and electronics	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Increase number of public recycling bins	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Make it easy. Perhaps curbside donation pick-up.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
The recycling collection is working well - she works in an apartment building which has a variety of bins beyond blue box - but not everyone is working in a MF building. Not everyone is able to drop off recyclables to the facility; because of transportation issues, in bulk, or traveling in cars. Having more DROP OFF STATIONS or PICK UP LOCATIONS would help more people to get into the action, especially for seniors who may have mobility issues and accessibility issues. This is another thing they've been doing at Trout Lake - volunteer-run pickup and drop off weekly; so they can collect things like styrofoam, plastic, batteries, electronics; and their volunteers, neighbours who can drop off once a week, and volunteers take it to the recycling station - that could be expanded on	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Some areas collect soft plastics in along with the recycling, I'd like to see Metro Vancouver add this to our collections. (response from another person) I absolutely love the idea of flexible plastics being curbside (and foam, and lightbulbs, and Report for Master Recycler Vancouver's Collaborative Engagement Activities 2024 11	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Providing Services - need access to better bins at curbside (light items blowing away)	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Collect flexible plastics at the curb	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Translations and diagrams on educational materials and curbside calendars	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Increase soft plastics recycling/collection.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Advocate for home recycling for film plastics (plus Styrofoam and glass), and knowing about this project it can also touch on	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Clothing pick up app, distribution network for items no longer needed/liked	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
TEXTILE WASTE BIN - accessibility to have something at factories, houses, apartments a. Been piloted in other regions b. Business in vancouver that operated bins for clothing REVIVIFY c. Scraps can cause issues in machines without proper filters - could be a barrier	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Curbside textiles pickup - make it easy for consumer	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Curbside textile pickup, make it easy to recycle	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.

IDEA	Strategy Option	ID	Action Option
Overall, access is great but vast majority of people will only participate in what's easy for them. eg. textiles not collected by building a lot of people won't go out of their way to find recycling centers. so more access for ALL recyclables.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Perhaps introduce partner businesses who don't mind being a drop off point for textile waste, such as the pilot program with Return-It (which we loved). More neighborhood bins that are emptied by the city and are there all the time, rather than as an event. More clear information shared with communities on how they can recycle textiles.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
More recycling centres easy to get to, more recycling bins out.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Make as much as possible recyclable by household pickup rather than only drop-off at specific locations	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Accepting more items in curbside collection	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Bring back fabric recycling programs.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
How do you access electronics or clothes zero waste centers if you don’t have a car? Make this a more accessible service. Curbside or local business options that takes electronics and clothing	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Door-to-Door Collection: Provide targeted pickup services in high-density and underserved areas, with home care programs for waste sorting.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Things centred around soft plastic collection at the curb would be a good thing just for home residents.	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Add more types of recycling bins to multi-family residences	**4.2. Enhance EPR programs**	ID119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
Collaboration on a systems level to ensure things are easy for residents to do the preferred action, while ensuring materials received are marketable and can actually go to beneficial use	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Simplify the waste system! Off er more clarifi cation	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Explore new/different performance measures, to improve transparency on ‘real-world’ program operations and impacts. Then recommend EPR programs undertake further waste composition studies and unaccounted for product studies to expand program performance measures.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Advocate for national harmonization for packaging EPR definitions and performance targets	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Continue to strongly advocate for EPR programs to reduce waste disposal through implementation of design-for-environment principles, and best management practices that focus on waste reduction, reuse and recycling. Offer staffing support for and partnership with Ministry of Environment to help accelerate EPR.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Investigate the pros and cons of standardizing recycling/compost materials accepted at the curbside and at public facilities in all areas of the region to streamline and simplify diversion.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Work on proper labeling of products - S most fibres now have plastic in them which makes the incomparable & unrecyclabke (In response to Thinking of how we purchase, use, reuse, repurpose, recvcle and throw things away in the region, what could be better in the future than it is today?)	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
A easier way to know what can be recycled such as labels on specific items	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Mandate proper labeling for recyclable materials	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
More clear labeling on materials (with more informative instruction/images that explain how to recycle)	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Have instruction to proper disposal be attached to the product packaging of products like propane tanks, mattresses, etc.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Focus on simplifying the materials that are put into the market, especially plastic.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Metro could make it a lot easier for people to sort, and realize what needs to be sorted. The single use water container is a plague; it can’t be reused, it’s too thin. Eliminate it! He sees it in the news; what a disaster, they ship in thousands of these single use water bottles, but there are the water supply companies that deliver in the large containers - ship those out, and use small reusable permanent water bottles. That in itself would save a huge amount of waste.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Clear labelling on products, on how to recycle products, clarify what is in products/product packaging. It is still unclear what can be refunded, especially regarding milk containers.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Equip Return-It Centres with educational materials to engage and inform the public effectively. Foster greater transparency across all levels of the recycling process, including depots, Producer Responsibility Organizations (PROs), and the Extended Producer Responsibility (EPR) system. Advocate for recycling to become a federal responsibility, ensuring a unified and robust approach to waste management nationwide	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Greenwashing - public entities should report on the same guidelines and get transparency. Clear bags for the commercial sector to increase transparency.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Simplify recycling programs and make them consistent across the region.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Should be consistent. Why do all municipalities not have the same pick up time? If they want to make a policy change there needs to be consistency between and amongst municipalities. At all levels of government, not just the most local – but upwards through regions and the province. You can't have changes implemented in one place and not in others. If you go from Vancouver to Burnaby and have vastly different experiences of recycling.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.

IDEA	Strategy Option	ID	Action Option
Support for consistent definitions of ‘recycling’ being used between regions	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Ensure Consistency and Transparency: Align recycling practices across all Metro Vancouver cities and supermarkets. Create a public dashboard to provide real-time updates on recycling processes and achievements.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Hold more community discussion workshops like this (in public / through organizations like HKHouse / etc) - for all residents, including people with different ethnic backgrounds	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Clarity on recycling streams, particularly plastics; complicated system is too overwhelming	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Large-item pick-up programs to address limited reuse options for items like furniture recycling	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Simplify recycling. Recycle BC to provide clear information on materials accepted province-wide	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Clear and consistent messaging: Developing standardized and easily understandable guidelines for sorting and disposal across all municipalities within Metro Vancouver.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Support better labelling so consumers know if it can be recycled	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Public education: Standards and transparency around "recycled" or "sustainable" labels could help rebuild trust.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Highlighting tangible recycling successes can counter negative perceptions.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Promote clear and transparent standards for what qualifies as "recycled" or "sustainable."	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Unifying systems for the collection and recycling of varied materials would simplify processes for users.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Consistent Policies: Align waste management goals across all government levels to reduce public confusion.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Education on recycling needs to improve. Even internally, teams spend a lot of time discussing what is and isn’t recyclable. Labelling schemes like "how to recycle" aim to help, but they add to the confusion. This affects system efficiency and increases costs.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Aligning policies and infrastructure across jurisdictions would reduce the burden on businesses, especially those operating in multiple areas. A consistent framework would make compliance more feasible. Businesses struggle to understand what to do with excess food or waste because of unclear or inconsistent guidelines. Simplifying and clarifying these processes would make participation easier.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Clearer, simpler messaging about what is and isn’t recyclable would make a difference.	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Ensure all municipalities have consistent waste disposal programs	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Provide clearer instructions on cleaning and sorting recyclables to reduce contamination rates and ensure materials are properly processed	**4.2. Enhance EPR programs**	ID120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
Advocate for increased return-to-retailer opportunities	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Establish convenient and affordable infrastructure to store, sort, and/or process wood materials to support supply and demand alignment.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Create more convenient and varied waste drop-off options	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Use the City’s community-based facilities, like recreation centres, fleet service yards, libraries and LRT stations as drop-off locations for big bin and specialty items (e.g., electronics, batteries, printer cartridges).	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Develop a mobile drop-off service (Fleet of mobile depots to travel to high density areas to collect small and high value-added items. They could be used to support community events and move-outs)	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Develop a network of staffed permanent neighbourhood depots close to transit accessible locations. The findings could determine the high traffic areas with good participations. Facilties coould be City owned, privately contracted, or in partnership with local community organizations.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Reverse vending machines in high traffic, secure, and monitored areas, such as Community and Civic Centres, arenas, libraries, transit hubs, etc to dispense coupon or voucher. (My idea: Partner with translink and get Compass credit)	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Evaluate the feasibility of a 'centre for hard to Recycling material'	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Expanded Diversion Program at City Facilities and Operations	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Have a central drop off to return amazon packaging (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Allow for separation at depots not just at homes. (In response to Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the region, what could be better in the future than it is today?)	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
In France, grocery stores had bins. How can we make bulk compulsory for grocery chains? With the climate emergency, legislation needs to be implemented.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Huge [recycling] compound at many many locations. Billboard advertments to educate the public about recycling. Highlight the pros and how damaging wastes are to the earth if not disposed of properly.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.

IDEA	Strategy Option	ID	Action Option
Open another returnables depot around Gastown/DTES	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Having a central waste management area for the public	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
This is a smaller city but having fabric recycling spots in the city where people can give away old rags will be ideal.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Ensure drop-off locations are accessible for all recyclable items	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Add more local drop-off locations	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Offer mobile depots or neighbourhood pick-up events for hard-to-recycle items	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Pop-up zero waste centres	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Farmer’s markets	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Community centers	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
More drop-off stations	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Leftover waste/garbage after shopping—suggested giving packaging back to facilities for reuse.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Create more incentives for reuse and proper waste diversion e.g. coffee cups, mattresses, and **building more drop-off locations.**	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
A fully established depot system is already in place, presenting an opportunity for more effective utilization. These depots are deeply connected to the communities they serve, making them ideal for expanding services. By creating additional programs and empowering depots to facilitate them, we can enhance their role and better address community needs	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Add more infrastructure like clothing donation bins, and consider utilizing municipal spaces to make them more accessible	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
It would help if facilities weren't just in industrial areas - make facilities convenient and part of the community	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Is there a role for Metro Vancouver, working with chambers of commerce, to encourage return to retail?	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Improve and increase transport and accessibility to depots	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
More recycling depots and recycling programs	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Add more bins and more collection points.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Individual - Recycling household small appliances in apartment buildings; doesn’t do recycling, city doesn’t have pick up service, people have to go to the recycling centre that is not accessible by transit (Richmond); e.g. light bulbs. Could do drop off sites at community centres, do pick up for a fee, have recycling bins in apartment buildings	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Enhance Coordination and Infrastructure: Streamline collaboration between government levels to ensure policy alignment. Increase the number and accessibility of recycling depots, especially in high-traffic areas.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Need to integrate into everyone’s lives effortlessly. I.e. maybe with skytrains?	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Heard that supermarkets have collections before COVID and it’s much easier. This will increase accessibility	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Recognition Programs: Establish recognition programs to acknowledge and celebrate businesses, organizations, and individuals that demonstrate leadership in sustainable waste management practices, recycling innovation, and community engagement to inspire others and build confidence in recycling systems.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Integration into Daily Lives: Partner with transit systems (e.g., SkyTrain) to integrate recycling practices into public spaces for convenience. Promote and improve accessibility to recycling apps like "VanCollect" to help residents sort and locate proper recycling bins easily.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
EPR programs can collaborate with industry to create opportunities to drop-off recycling at the same location as point of purchase	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Expand the return-to-retail drop-off network, to improve accessibility and convenience (collaborate with businesses)	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Improve access by introducing mobile recycling centres in multi-family neighbourhoods; Distributed drop off locations in hubs, such as Drop-off events; collect in places where people are already gathering	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Mobile or satellite recycling depots for small-scale multi-unit housing (i.e., helping system adapt to recent provincial legislative changes re: housing density).	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
“Free waste drop-off” events to help reduce illegal dumping and promote awareness of drop-off options.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.

IDEA	Strategy Option	ID	Action Option
Enhance Convenience: Increase the number of recycling depots, green bin locations, and Return-It facilities in easily accessible areas.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Partner with businesses to offer drop-off points or incentives for proper recycling.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Accessible infrastructure: Ensuring convenient and well-maintained collection infrastructure, including depots, drop-off locations, and appropriately sized bins.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Providing accessible infrastructure: Ensuring convenient and accessible infrastructure for waste collection and drop-off, including strategically placed bins, depots, and recycling facilities.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Accessibility and convenience: Ensuring that waste reduction services, such as drop-off locations and collection programs, are conveniently located and readily accessible to all residents and businesses, particularly those in underserved communities.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Calgary fire stations offer chemical waste collection, including paint and other hazardous materials—Metro Vancouver could consider similar collection locations	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Drop-off points need to be more accessible and better advertised	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Increase convenience and accessibility by putting waste diversion options into the life of a person e.g. at school drop off	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Developing new facilities or drop-off points for recycling, reusables, and waste	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Keeping recycling plants accessible within city limits would reduce transportation burdens.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Expanding access to recycling services for diverse waste types (e.g., electronics, fabrics, batteries) is necessary.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
More local drop-off points	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Partnerships with local businesses for take-back programs	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
In Argentina they have huge receptacles in major parks for batteries. That was a cool initiative that made it easy to eliminate things that are harder to recycle on a day-to-day basis	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Decentralized Drop-Off Centers: Set up redemption and recycling points within residential buildings or community hubs.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Unified Policies and Accessibility Improvements: Standardize recycling policies across all cities in Metro Vancouver to eliminate confusion. Introduce mobile recycling stations for easier disposal of large items. Partner with local businesses to create convenient recycling drop-off points.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Convenience-Based Rewards: Set up vending machine style waste drop-off systems that reward users with small monetary or non-monetary benefits for correctly disposing of items.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Recycling collection option for those that do not have a vehicle	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Offer mobile recycling units for hard-to-reach communities.	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Improve existing/available facilities first	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Large more centralised managements with government influence	**4.2. Enhance EPR programs**	ID121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
Work with paper mills and to increase capacity to process plastic-lined paper and better deal with tape (or help switch tape compatible with recycling process)	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet, and plastic-lined paper products.
support the development of shared cold storage and distribution centres, to help re-localize supply chains and drive down waste that happens in distribution	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Food rescuers need to be incentivize to use the food that is not being used currently to upscale it and repurpose it to reduce food insecurity	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Have central warehouse in each community for expired food products (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Provide incentives for restaurants to prevent food waste and disclose food efficiency (in grams of foodwaste per cover)	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Paired extended producer responsibility and incentive programs for businesses to change practices	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Ugly Food Day - produce that we weren't able to sell, by donation or free. Can be supported by municipalities to encourage more events like that. Other products that could not be sold but still functionable	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
More education and incentives for businesses around food waste reduction and food donation options	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.

IDEA	Strategy Option	ID	Action Option
Foster new markets for materials to be reused, repurposed, and diverted	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Invest in and fund more diversion technologies and projects.	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Exploring innovative waste management technologies: Investigating and piloting new and emerging waste management technologies, such as advanced sorting systems, anaerobic digestion, and waste-to-energy, to assess their potential for the region.	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Work with current companies that breakdown plastic bottles through enzymes and make them back into raw materials to be used again as now bottles (Polytide).	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Technological and Operational Insights: Information about technologies and methods used in sorting and processing recyclables. Examples of innovative recycling practices and methods.	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Need consistent end markets and market price, which is not the case for majority of plastics and other materials today.	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Improve capacity for recycling	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
De-packaging facilities are needed closer to where waste is generated to cut down on labour and transportation costs. Waste is currently transported long distances because of the labour involved and the nature of the business.	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Comment on Metro Vancouver's role as part of the circular economy, specifically on organics.	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Regionally provided organics/green waste hauling/processing/depots	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Build more composting/biosolid dryer facilities for resource recovery	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Organics composting combined with wastewater sludge	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Create an environment to create more processing capacity	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
development of recycling industry here in BC (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**4.3 Encourage the development of new recycling infrastructure**	ID044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper products.
Put more compost bins in schools.	**4.3 Encourage the development of new recycling infrastructure**	ID122	Identify gaps in organics collections programs and work collaboratively to implement or improve existing collection and processing programs.
Facilitate the siting of private sector recycling activities.	**4.3 Encourage the development of new recycling infrastructure**	ID123	Explore opportunities to facilitate the siting of private sector recycling activities.
Avoid any new public investment in developing infrastructure	**4.3 Encourage the development of new recycling infrastructure**	ID123	Explore opportunities to facilitate the siting of private sector recycling activities.
Allow the private sector to develop infrastructure: Increase competitive space in the market (for industry) and accelerated licensing timelines for new facilities and services	**4.3 Encourage the development of new recycling infrastructure**	ID123	Explore opportunities to facilitate the siting of private sector recycling activities.
Align with regional/municipal goals while working with the private sector to develop infrastructure	**4.3 Encourage the development of new recycling infrastructure**	ID123	Explore opportunities to facilitate the siting of private sector recycling activities.
Less government intervention/input; the private sector can be more nimble than the regional district or the province.	**4.3 Encourage the development of new recycling infrastructure**	ID123	Explore opportunities to facilitate the siting of private sector recycling activities.
Incentivize the private processing facilities within the region	**4.3 Encourage the development of new recycling infrastructure**	ID123	Explore opportunities to facilitate the siting of private sector recycling activities.
Encourage private investment in recycling	**4.3 Encourage the development of new recycling infrastructure**	ID123	Explore opportunities to facilitate the siting of private sector recycling activities.
Connect executive chairs of waste industry associations (SWANA, WMABC, etc.) other executive chairs. Will help to represent the waste industry in multi-sector situations (organics management, construction and demolition) Metro Vancouver could provide centralized location, make the connections, break down silos	**4.3 Encourage the development of new recycling infrastructure**	ID124	Convene recycling industry and member jurisdictions to get their perspective on how to continue to maintain and increase recycling infrastructure that services the region
Improve engagement between government policy makers and industry – currently feels like government is out if touch with how the industry functions.	**4.3 Encourage the development of new recycling infrastructure**	ID124	Convene recycling industry and member jurisdictions to get their perspective on how to continue to maintain and increase recycling infrastructure that services the region
Explore opportunities to improve laneway/road traffic and decrease litter from licensed haulers. Metro Vancouver could convene members to share knowledge and identify opportunities to improve these issues, and engage licensed haulers on potential solutions. As the region builds more housing and densifies, these issues may be exacerbated.	**4.3 Encourage the development of new recycling infrastructure**	ID124	Convene recycling industry and member jurisdictions to get their perspective on how to continue to maintain and increase recycling infrastructure that services the region
Form a regional responsible recycling forum to work with public and private partners to address production, use, and end-of-life management of goods	**4.3 Encourage the development of new recycling infrastructure**	ID124	Convene recycling industry and member jurisdictions to get their perspective on how to continue to maintain and increase recycling infrastructure that services the region
Need to understand barriers to develop infrastructure	**4.3 Encourage the development of new recycling infrastructure**	ID124	Convene recycling industry members get their perspective on how to continue to maintain and increase recycling infrastructure that services the region.
Co-design measures to improve commercial waste service provisions,	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID125	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Grants or support for new businesses that can help with textile waste recycling. There currently is no infrastructure.	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID126	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.

IDEA	Strategy Option	ID	Action Option
Improve composting systems	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID126	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Pilot an ICI food rescue and organic diversion program based on Guelph-Wellington and Strathcona County Models	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID126	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Update guidance on on-site composting	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID126	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Food waste disposers are a convenient option for disposal of organics	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID126	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Joint conversation with liquid and solid waste required prior to more widespread implementation of in-sink food disposal solutions	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID126	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Implementation of decentralized carbonization units to manage food waste at the local level.	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID126	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Create more capacity/improvements to current process/access to technology	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID126	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Better compost options and encouraging household initiatives to compost	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID127	Continue to provide tools and tips to residents to reduce odours and “yuck factor” with green bins.
Providing more information to households on reducing food waste	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID127	Continue to provide tools and tips to residents to reduce odours and “yuck factor” with green bins.
Address Hygiene and Cost Issues: Provide residents with clean, functional green bins and approved liners to reduce confusion and costs. Add features like pedal-operated lids to improve usability for seniors and reduce contact with dirty bins. Educate residents on odor management and composting techniques.	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID127	Continue to provide tools and tips to residents to reduce odours and “yuck factor” with green bins.
Every household gets an odorless dry powder food waste machine	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID127	Continue to provide tools and tips to residents to reduce odours and “yuck factor” with green bins.
Providing a receptacle or something small and odorless for compost. I use a container because I have the time to refill it and I keep it in my freezer. Getting small containers that people can have on their counter	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID127	Continue to provide tools and tips to residents to reduce odours and “yuck factor” with green bins.
Determine what role, if any, compostable plastic can play in a circular food system	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Collaborate with service providers and users to develop guidelines for use of compostable products and packaging.	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Support consumer awareness and improved standards for compostable food and beverage packaging	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
organics liners.-creating a made in bc solution (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
National standards for "compostible plastics" (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Development of compostable packaging from waste (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Encourage manufacturers to use recyclable or compostable materials	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Support research into compostable plastics	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Invest in biodegradable plastic technologies	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Improve composting infrastructure to address organic waste including compostable plastics such as PLA	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
More legislation is needed for compostable plastic materials; compostable plastics are difficult for plastics processors to recycle	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
One thing about the composting system - evidently, there is packaging that is mixed, like the supposedly compostable bags - but that cannot go into the composting system. There could be some system that could compost them. Could we prioritize creating systems that actually can manage these materials?	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Certified compostable products can help increase capture of organics	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Design agile policies that can adapt to changing infrastructure and opportunities to innovate. Temperature and moisture have the greatest impact. The optimal conditions vary by material type.	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Develop a supportive framework for addressing the promise and problems with compostable items that incorporate harmonized education, labelling and messaging	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Recognize and catalyze the evolution of organics processing infrastructure that supports the diversion of select, targeted compostable items.	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Push for better design for plastics used and eliminating use of unnecessary + problematic plastics and additives with Fed/Prov. Discourage use of biodegradable and compostable plastics	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Allow one type of compostable plastic, to increase organics recycling participation while addressing the issue of plastic contamination in the organics stream	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Better regulate labelling of compostable plastics	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Restrict the sale of compostable plastic	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.

IDEA	Strategy Option	ID	Action Option
Apartments and condos say you can have biodegradable/compostable bags for kitchen waste, but the strata said no. But the website online said you can. However, people noted that if they see a bag inside the compostable, the entire bin goes to garbage. The participant already actively went to look for this information but came away very confused. So what is true? And if we can't use biodegradable bags, it needs to be made known to everyone.	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Addressing Miscommunication and Barriers: Clarify rules around compostable bags and kitchen waste; many are confused about their acceptability. Ensure consistent messaging across all levels, from strata to recycling depots, so residents have accurate information.	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Medical facilities: Designing items to be biodegradable instead of reusable might be an option	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Organics: Provide education on "compostable plastic" is NOT compostable, we need to remove greenwashing that confuses consumers/restaurants, compostable utensils. And increase education on where to put these (e.g. in mixed recycling instead of composting). Provide education on what CAN go in the compost (paper)	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Advocate for sustainable alternatives like plant-based and compostable materials.	**4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses**	ID128	Determine what role, if any, compostable plastics can play in organics management systems.
Improve access to textile donation and collection services	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID131	Improve access to textile donation and recycling collection services.
Providing textile recycling services that are easy to use for all residents	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID131	Improve access to textile donation and recycling collection services.
The recycling of materials like fabrics and display packaging requires better infrastructure and accessibility.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID131	Improve access to textile donation and recycling collection services.
Create a member jurisdictions incentive program that rewards/credits members that take action (policies, programs or projects that can be measured and verified) that support the goals and actions in Metro Vancouver's Solid Waste Management Plan.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Incentives - I think incentives for recyling and waste reduction is good becuase people like incentives and this motivates them to earn an incentive.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Incentives for recycling and waste reduction Awareness	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
There shouldn't be a financial incentive to recycle/divert waste. A gold star on the garbage can! Look at non-monetary way to recognize communities, individuals and businesses who do a good job.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Incentives for recycling and waste reduction: Incentives for businesses and individuals. Can give us better data forgovernment on what kind of waste people are producing. Incentives work – they go beyond education that does not alwayslead to behaviour change.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Incentives for recycling and waste reduction: For businesses and individuals this is not stopping certain types of consumption. It's not working in many places and there is a risk that incentives make things optional. We need more systemic changes.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Create incentives for proper recycling and reduced disposal	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Offer rewards or vouchers for proper recycling efforts	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
incentives to people for bringing recyclable materials to designated sites	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Incentivizing vs penalizing, sounds like the right approach	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Create more incentives for reuse and proper waste diversion e.g. coffee cups, mattresses, and building more drop-off locations.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Advantages and incentives for recycling and reducing waste	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Idea: Teenagers like music so maybe provide concert tickets or something as a prize	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Providing incentives for proper recycling and waste reduction	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Incentivizing recycling with other things, such as bus pass price reduction or reduced strata fees.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Their club is implementing Halloween wrappers recycling, and everyone who participates enters into a draw for a Tim Hortons gift card	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Incentives for Zero waste practices, E.g.Community recognition program: Design a recognition system for neighborhoods or households that demonstrate a commitment to waste reduction. This could take the form of friendly competitions .Zero waste business certification: Establish a local certification that recognizes businesses that consistently minimize waste. Certified businesses could receive promotional support and visibility through Metro Vancouver channels.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Incentives and Enforcement: Provide financial incentives or coupons for participating in recycling programs. Impose fines for improper recycling or contamination to encourage better practices.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Community-based initiatives: Implementing reward programs and community projects to incentivize participation and recognize efforts to reduce contamination.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Exploring innovative collection methods: Piloting new collection methods, such as payas-you-throw programs or incentivized recycling programs, to encourage participation and reward responsible waste management.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.

IDEA	Strategy Option	ID	Action Option
Incentive Programs: Launch a points-based system offering financial rewards for proper recycling practices.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Community Points System: Launch a points-based reward system where households or neighborhoods earn incentives (e.g., discounts,	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Recognition Programs: Acknowledge and reward community members or groups who demonstrate exceptional commitment to sustainability through public recognition or awards.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Financial Incentives: Implement a community points system where	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Community Recognition: Launch programs to recognize and reward neighborhoods or communities for high participation rates, such as public awards or community grants for local projects.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Vending Machine-Style Systems: Install automated waste drop-off systems with incentives, such as small financial rewards or community points for proper recycling and disposal.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID132	Recognize and reward those who recycle well so others are inspired to follow their example.
Improve signage on recycling bins	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Better labelled bins	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
More labels on everything that say where they can be thrown away	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
More labels or posters with details posted above garbage, compost, recycling bins that include a fuller suite of items that can be disposed of in them	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Labels can include more info like photos and words to make it more accessible and easier to understand	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
More signs would be helpful, even if some people don't read them. And if they don't read, tell them	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Clear Labelling on Recycling Bins: Compared to other regions (e.g., the U.S.), bins in Metro Vancouver have clear labels, bullet points, and images to help residents sort waste correctly.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Simplifying sorting guidelines: Providing clear, consistent, and easy-to-understand guidelines for sorting waste, organics, and recyclables to eliminate confusion and minimize contamination.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Clearly write what bins are for.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Explore opportunities to increase recycling consistency across the region. Metro Vancouver could convene members, private haulers, and other stakeholders to discuss opportunities to improve the consistency of recycling streams and signage across all sectors and across the region. Greater consistency would help to reduce residents' confusion about correct recycling participation as they move throughout the region, from where they live to where they work and play. Potential opportunities to explore could include incentives, pilots, regulatory and voluntary measures.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Standardized Signage and/or Signage Tool	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Priorities and interests identified about First Nations access to programs and services related to Metro Vancouver's solid waste function, ease of use, and affordability.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Concerns around public understanding about recycling -- what can be put into which recycling bin for curbside pick up. Suggestion that a video or better signage would be a helpful tool.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Strategies for education and signage to stop contamination of recyclable materials	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Collateral material and signage in different languages would be helpful (I've included the link to the signage that Metro makes available to building owners. I trust this is the most current)	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Signs above bins, outside of school	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Clear Signage: Standardize signage with visual and multilingual instructions for bins and drop-off locations.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Flora referenced earlier comments about lack of consistency in what goes in what bins	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
For her, she knows there's a multiplicity of packaging and everything; she laughs when she goes into places where you're supposed to dispose of your own stuff from eating or drinking, and you have all these choices - is this for compost, for garbage, for recycling? And, everybody sort of stares at these things and has no idea where to put everything! So everything gets mishmashed. How can we create a system that is CONSISTENT? Through different locations. It also means maybe the materials have to be consistent.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Unified Policy Framework: Develop a Metro Vancouver-wide solid waste management policy that standardizes guidelines, signage, and practices across all municipalities.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Create guidance on best practices for public space recycling	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Waste Diversion Program in Parks and Other Public Spaces	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
More waste and recycling cans on the street are needed!	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.

IDEA	Strategy Option	ID	Action Option
We should have more recycling bins on the streets	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
More recycling bins in downtown	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
More sorting trash cans near bus stops	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
More spaces for cans to be recycled on the streets.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Add recycling bins to public spaces like parks, transit hubs, and malls, and ensure these bins accommodate diverse waste streams	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
More consistent programs across jurisdictional boundaries – makes it easier as residents move across the region (examples included cart sizes and how material is collected)	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
More garbage and recycling bins all over.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Would love to see compost bins, but a little smarter, not just bins, in the streets of Vancouver. It's going to take years for people to get used to it. At the beginning, it will be a contamination show, people will just dump everything in there. But every change, every behaviour change takes time, takes a process, and in Europe there are a few and maybe more than just the EU, there are new innovative ideas on how to approach that. I would like to see a compost bin by every garbage bin, and a recycle bin next to it. It's been experimented with to a degree, but usually not with compost. There are new ideas, new things that can be done to make it more accessible. Most of us, in a single family house, we're doing a reasonably a good job, in multi family not as good. I would love to see some work on that.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Why are there never any recycling bins at public parks and farmers markets locations? They're PRIME places where people are buying coffee from the vans, takeaway food they're eating there, and there's nowhere to put that. A lot ends up in my compost bins at Riley Park, which is really frustrating. It's something that well, it could revolutionize things, couldn't it? Farmer's markets every weekend, and parks with children and families playing, and picnics, there's nowhere for them to put the waste products. The ferries have bins - they have bins marked compost, newspaper, and cans and bottles. My observation is that there's an incredible amount of contamination. You would need someone to sort it afterwards, and then it becomes cost prohibitive in terms of what you get out of it in the end. If you valued waste reduction more highly somehow, it would become more cost effective.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Fund pilots for streetside / curbside organics bins	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Public parks, parks board	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Can we have a composter in parks? Have a compost bin and let people fill it up. Even though I know how much plastic and garbage ends up in there.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
There is a lack of bins around the neighbourhoods, with limited access in other areas, and there is inconsistent and unclear signage on bins on what items should go in each. Simplify the waste system! Offer more clarification.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Install more recycling/composting bins in public spaces	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Increase public trash and recycling bins in parks and public spaces.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Have a QR code at the site of the bins, where you can type in what you have and have the QR code show you where you can put in the garbage. Having live incentives for putting waste in the right bins could be helpful. Perhaps LED light that shows emoticon when you put waste in the right bin.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Process organics locally within the region, focusing on quality	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Work with munis and EPR programs to have multi-stream streetscape containers as the norm. Ensure Province is enforcing Recycling Regulation.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
We absolutely need more waste bins in the DTES! It would be even better if we could have recycling bins alongside waste bins. It's probably not a priority for service workers on the DTES to educate community members about recycling but I do think more education is also necessary. Perhaps this could be done through infographics.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Sometimes I think it all ends up in the same place. There should be more garbage/compost/recycling bins available in public areas.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Business Responsibilities: Apartment Complexes and Residential Communities: Residential management (e.g., strata councils) should mandate staff or services dedicated to assisting residents with disabilities or limited resources in trash collection and recycling. Supermarkets and Retail Stores: Provide accessible and convenient disposable recycling bins in residential areas or centralized locations, such as near gas stations.	**4.5. Make recycling easier and more effective**	ID133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
Provide clearer communication about what can and cannot be recycled	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Overall themes of shared infrastructure, resources, education, rules, etc.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Clear information and education for the public	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Centralize information sources – make it consistent and easier for the public to find information and look for resources. Different sources with different answers are creating confusion for the public.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.

IDEA	Strategy Option	ID	Action Option
One resource for: Repair, Donate, Deposit	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Make it easier for people to communicate challenges with Metro on an ongoing basis. For example, make an app where people could report problems by taking photos and uploading them for review. For example, if there is a problem or inconsistency with bins then binners could relay that information.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Make it easier for people to communicate challenges with Metro Vancouver on an ongoing basis. For example, make an app where people can report problems by taking photos and uploading them for review. If there is a problem or inconsistency with bins e.g. overflowing, limited access etc. then binners could relay that information.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
QR codes in public places that link to a website with understandable language	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Clearer guidelines on what can and cannot be recycled in my area	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
More education about the types of waste to be sorted	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Advocate for a simpler system where a single EPR agency is responsible for recycling; complexities of the system make it difficult to explain	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Improve Information Clarity and Accessibility: Use consistent and centralized guidelines for recycling and composting across all municipalities. Print clear recycling instructions (e.g., barcodes or QR codes) on packaging. Provide multilingual, culturally relevant education materials and campaigns.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Clearer and more accessible information on what can be recycled	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Digital Platforms: Create an official Metro Vancouver app or website that provides real-time updates and resources on waste management policies.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Hybrid Systems: Combine AI with physical aids, such as barcode labels or RFID tags, to make waste sorting easier without requiring direct app usage.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Centralized Information Hub: Create an online platform providing zero-waste solutions, waste sorting guides, and sustainable practices in Metro Vancouver.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
EcoSnap: A one-stop application for education, accessibility support and rewards for sustainable-focused users.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Education: Use EcoSnap AI to scan and sort waste easily at home. Instant guidance removes confusion and saves time.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Improved accessibility of website resources to address user challenges in finding information. Currently the website is not very use-friendly	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Regional inconsistencies in organics and recycling services create confusion. Some areas offer better options, like diverting food waste to farms instead of composting. Having centralized, accessible information about available diversion methods would help businesses.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Develop public dashboard and education campaign. Many residents don't know where to find information about the performance of our regional and provincial recycling systems, and don't understand how BC's recycling system is different than other provinces. This knowledge gap leads to misunderstandings about the applicability of national recycling statistics to BC and the Metro Vancouver region. Metro Vancouver national recycling statistics to BC and the Metro Vancouver region. Metro Vancouver towards the region's recycling goals and includes key performance indicators from RecycleBC, Encorp and other Extended Producer Responsibility (EPR) stewardship agencies in a single location (instead of relying on the public to check each individual stewardship webpage).	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Rolling out the dashboard could be accompanied by a new public education campaign, developed by Metro Vancouver, that highlights key recycling and EPR statistics for the region, explains how recycling works in BC, presents the benefits associated with recycling and informs people about the availability of a new public dashboard with information available all in one place.	**4.5. Make recycling easier and more effective**	ID134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.
Collaboration on reporting out and tracking where materials are going: Improve data sharing Proprietary information can make it challenging for private industry to share information	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID135	Provide clear, consistent guidelines on what can and cannot be recycled.
Auditing and reporting are done but not known by the public – increase transparency and inform.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID135	Provide clear, consistent guidelines on what can and cannot be recycled.
Honesty builds trust: Be honest with the public and show the limitations, what we're doing, and how we're trying to improve – start with the definition of recycling.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID135	Provide clear, consistent guidelines on what can and cannot be recycled.
Eliminate performative recycling	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID135	Provide clear, consistent guidelines on what can and cannot be recycled.
Enhance clarity and transparency of what materials go through Metro Vancouver and other facilities.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID135	Provide clear, consistent guidelines on what can and cannot be recycled.
One-stop shop is needed (e.g., VSTS).	**4.5. Make recycling easier and more effective**	ID136	Work with businesses and recycling depots across the region to work towards streamlining the types of materials accepted where practical.
Concerns about items being disposed of on roads and ditches in the community. Some First Nations provide a spring and fall pick up for large items every year.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.
First Nations reserves have noticed an increase in illegal dumping, and there is interest in creating a policy they can enforce. There is also interest in supporting a levy against single use items in the territories. Some First Nations are currently exploring the feasibility of a Nation run compost facility, and are hoping to have multiple community gardens to help with that process.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.
Support community group cleanup events/programs to reduce unauthorized disposal of waste	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.
Concern around littering in Parks. There are wetlands in some First Nations lands that require protection.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.
Support MV-wide civic litter pick up twice a year but gather and share data from it -like a brand audit.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.

IDEA	Strategy Option	ID	Action Option
Investigate developing regionally-aligned litter bylaws in partnership with member municipalities	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.
Comment about how the solid waste management plan will benefit Indigenous people, in terms of services provided, development, and financial benefits.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.
Conduct a focused pilot of "Zero Waste Stations' at common spots in downtown core and in other city locations (sports venues, parks, etc.)	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.
Gamify recycling through the use of AI and apps to motivate people using public spaces to Recycling more	**4.5. Make recycling easier and more effective**	ID137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.
In multifamily buildings, people suggested to implement a share shelf (for items that can be reused)	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID138	Review multi-family residential waste and recycling container space and access guidelines, including determining if the guidance needs to account for increased amounts of material or additional types of materials.
Multi-family building challenges: Garbage chutes could be a solution - make it easier for people to do their sorting (increase accessibility). Impacts of buildings that are multi-storey - chutes really help with that (removing burden of carrying recyclables up/downstairs etc.)	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID138	Review multi-family residential waste and recycling container space and access guidelines, including determining if the guidance needs to account for increased amounts of material or additional types of materials.
Removing barriers to throw trash, such as creating trash chutes on every floor of an apartment (similar to Toronto).	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID138	Review multi-family residential waste and recycling container space and access guidelines, including determining if the guidance needs to account for increased amounts of material or additional types of materials.
provide design guides informed by BC building code for MF spaces where organic waste montiroing, measuring, recovery and recyclng can happen	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID138	Review multi-family residential waste and recycling container space and access guidelines, including determining if the guidance needs to account for increased amounts of material or additional types of materials.
Accessible Recycling Facilities in Residential Areas: Condos and apartments generally provide adequate recycling facilities with sufficient categories.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID140	Support knowledge sharing of space and access requirements for multi-plex units (six units or less).
Provide language support/translation for programs, bylaws, etc.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
An app that scans objects, tells you where to put waste	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
Create an app that helps identify waste	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
More advertising available in other languages	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
Artificial intelligence or chatbots to educate on identifying and sorting materials	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
Addressing language barriers: Offering waste sorting information and resources in multiple languages to ensure accessibility and understanding for diverse communities.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
More visual and multilingual signage in buildings	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
AI-Assisted Sorting: Implement AI-powered applications to help residents identify and sort waste accurately in real-time.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
Barcode Systems: Use barcodes or QR codes to provide sorting instructions and increase confidence in recycling.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
Barcode and RFID Systems: Introduce barcodes or RFID tags on products that residents can scan to get disposal instructions, improving confidence in waste sorting.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
Community Education: Use augmented reality (AR) or interactive tools in educational campaigns to teach residents how to sort waste properly, making learning more engaging and accessible	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
Multilingual support for my neighbors.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
Improving Clarity and Transparency: Provide clear, consistent guidelines on what can and cannot be recycled. Address discrepancies between recycling centres, municipalities, and businesses regarding what is accepted. Make the recycling system more transparent, showing where waste goes and how it's processed.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID159	Show where waste goes and how it's processed to provide more transparency in the recycling system.
Set up community events to collect waste. Reduce more waste with better government involvement.	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID175	Explore more community waste, recycling and reuse drop-off events.
Collaborate with communities to develop local solutions to prevent litter and illegal dumping from going into waterways and marine environments	**4.5. Make recycling easier and more effective by reducing confusion and improving convenience**	ID178	Review approaches in other jurisdictions to reduce illegal dumping
Trial new programs at Metro Vancouver housing sites to understand what works before regional rollout.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Share waste composition data with the provincial government and EPR stewardship agencies to highlight participation issues. For example, data about the type and quantity of products accepted in EPR programs that are disposed to landfill or incinerator. Sharing this data would help to demonstrate the need for further education and other supportive programs to increase participation in existing EPR stewardship programs. Members are investing municipal budget and resources to address the EPR participation gap. For example, City of Vancouver is developing programs to encourage residents' participation in EPR programs (and other existing reuse and diversion programs), such as our Zero Waste Ambassador program to reduce waste in multi-family buildings.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
"I have a will and an urge to be more interactive with my neighbours, which I don't do". It's even hard for me with my roommates, who tend to be young and everything comes from Amazon every day. They have to recycle and compost because they live in the same house that I am, but even my neighbour from upstairs, I'm many times looking into the communal baggage and opening bags, recycling a lot of containers and stuff. For my whole neighbourhood, like most other neighbourhoods, I go and look through garbage, and it's not simple, there's contamination.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Comment that the Nation is interested in having baseline data about the waste composition specific to the community.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.

IDEA	Strategy Option	ID	Action Option
Allocate resources to support multi-family recycling, for example, by developing standardized education materials	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Collaborate with stakeholders to implement support for multi-family recycling	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Sharing library (expand the list of materials, partner with existing organizations, establish new programs such as in multi-family buildings)	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Offer Certification Training to property managers to equip them with knowledge and skills necessary to effectively manage waste in MF buildings	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Expand and enhance building codes to incorporate comprehensive provisions for waste management in MF buildings	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Improving multi-family collection schedule statistics	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Provide educational materials tailored to shared living environments	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Education is important; mostly needed on the commercial and multi-family side; residential is not as much an issue	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Multi-family buildings show the lowest accountability for their waste (high contamination) – increase education and focus on these demographics.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
For multifamily: Organize group recycling depot trips (organizing a schedule to take all items from building residents at once)	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
For multifamily: Support for the building ambassador program (Master Recyclers)	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
More education particularly for multi-family residences; toolkit and workshops	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
These is a need and opportunity to better collaborate and coordinate with multi-family property managers and haulers that work across regional districts. Can streamline processes and communications/education in multi-family buildings. Currently consistency is lacking as often they are serviced by different haulers – no consistent guidelines or resources.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Community-Based Incentives and Recognition: Establish recognition programs for neighborhoods or households demonstrating commitment to waste reduction through friendly competitions. Develop a zero-waste business certification program to acknowledge businesses minimizing waste, offering promotional support through Metro Vancouver channels. Collaborate with residential complexes to create incentive programs that improve recycling accessibility and participation.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Monitoring and Enforcement: Some condos have monitoring systems and fines for improper sorting. These measures encourage proper recycling practices and foster trust in the system.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Collaborate with diverse communities, schools, and artists to create culturally relevant content and products. Work with local housing and condo boards to display mandatory posters and materials.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Collaborate with industry to educate multi-family residences to reduce contamination	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Focus discussions among municipalities to advance specific priority areas (e.g. multi-family sector waste reduction, construction and demolition)	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Incentives are preferred over penalties – financial incentives, rebate, grant programs specifically for multi-family	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Provide hands on education/presentations to multi-family property managers and strata	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Develop a best practices guide for multi-family; work with property managers	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Work collaboratively with haulers to gather better data and play a role in educating customers.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Multi-family building challenges: Provide education for those approving design plans so that policy shifts to create increased ease of sorting	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Provide distributed education for strata councils & property managers that includes an incentive	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Focused efforts on multi-family and commercial buildings. Participation in organics and recycling programs tends to be lower in multi-family and commercial sectors. Metro Vancouver could support members to engage these sectors by developing education and behaviour change materials focused on these sectors. Metro Vancouver could also facilitate a workshop with members, private haulers and other stakeholders to explore opportunities for removing barriers and incentivizing these sectors' participation in diversion programs. For example, workshop topics could include opportunities to standardize hauler guidelines for multi-family and commercial buildings.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Develop a toolkit for encouraging share, reuse and repair in multi-family buildings. Metro Vancouver could help to encourage waste reduction in the multi-family sector by creating a toolkit focused on events and activities for multi-family residents, including building free swaps and yard sales. Members could help to promote the toolkit by sharing it with residents through municipal communications channels and at community outreach events.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Provide MF settings comprehensive tools and support for implementing waste reduction and diversion accountable when there's 100+ people in one building. Maybe there needs to be collaboration with property owners or managers.	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Increased education on food waste and organics is needed for multi-family buildings since many municipalities do not serve them	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Set guidelines for garbage/recycling rooms	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Working with Stratas to expand number of materials that are collected in the recycling rooms to prevent them from entering the landfill stream	**4.6. Target recycling education**	ID103	Develop and deploy improved education for multi-family residents.
Robust marketing campaign to help educate and also highlight the successes of the system. Acknowledged the benefi t of community gardens.	**4.6. Target recycling education**	ID129	Promote and educate residents on worm bins and backyard composting.
Replacement of trees that are cut down. Increase access to personal gardens and community gardens to reduce waste associated with buying food. Using second-hand clothes and encouraging people to reuse items. Encouraging home remedies to reduce waste.	**4.6. Target recycling education**	ID129	Promote and educate residents on worm bins and backyard composting.
Regarding the education side: i see a few community gardens using publicly unused spaces, like railway tracks areas with the tracks removed……or like along the Richmond dyke area, an unused space is well-used with wonderful-looking fresh veggies waiting to be harvested.	**4.6. Target recycling education**	ID129	Promote and educate residents on worm bins and backyard composting.

IDEA	Strategy Option	ID	Action Option
The compost being taken away is good for folks who can't compost but I fill my compost bin every week, it's full to the top. I have 7 composters in my backyard, and 3 worm composters. Mind you, I've got a community garden in my backyard so we do have more stuff come in. I think providing GOOD QUALITY COMPOSTERS to people in their own yards, would be great. The ones we get right now don't last very long. They're great at first but parts of them come off, can't tell you how many I've gone through the past 20 years. I LOVE the idea of there being composting happening all over the place	**4.6. Target recycling education**	ID129	Promote and educate residents on worm bins and backyard composting.
My goal is to have every house to have a compost bin in its backyard	**4.6. Target recycling education**	ID129	Promote and educate residents on worm bins and backyard composting.
Incentives and Accessibility: Offer subsidies for eco-friendly practices, such as purchasing composting equipment or participating in recycling programs. Improve the aesthetics and accessibility of Return-It depots and green bins to encourage usage.	**4.6. Target recycling education**	ID129	Promote and educate residents on worm bins and backyard composting.
Stop telling public to recycle something that can't be recycled effectively at the existing processing facilities with existing markets	**4.6. Target recycling education**	ID143	Work with producer responsibility organizations, industry groups and member jurisdictions to better educate residents on options for emerging and challenging materials.
Collaborate with stewards to increase consumer awareness about EPR programs	**4.6. Target recycling education**	ID143	Work with producer responsibility organizations, industry groups and member jurisdictions to better educate residents on options for emerging and challenging materials.
Collaborate with Extended Producer Responsibility (EPR) agencies on education Collaborate with provincial and federal government	**4.6. Target recycling education**	ID143	Work with producer responsibility organizations, industry groups and member jurisdictions to better educate residents on options for emerging and challenging materials.
Need more education on materials not included in EPR programs: Priority items - lithium batteries, potentially hazardous waste in recycling bins Difficult to get hard-to-recycle items through regulation and into programs because this is provincial jurisdiction - Metro Vancouver advocacy needed	**4.6. Target recycling education**	ID143	Work with producer responsibility organizations, industry groups and member jurisdictions to better educate residents on options for emerging and challenging materials.
Solution for forgotten reusable bags that are not reused as intended, and can become another environmental burden	**4.6. Target recycling education**	ID143	Work with producer responsibility organizations, industry groups and member jurisdictions to better educate residents on options for emerging and challenging materials.
Improve awareness—many people don't know they can return bottles to retailers.	**4.6. Target recycling education**	ID143	Work with producer responsibility organizations, industry groups and member jurisdictions to better educate residents on options for emerging and challenging materials.
Most large retail spaces have a lot of packaging and recycling that is produced. Should be required to hire people to sort and divert waste. Less connection from the leadership of these large spaces to the actual waste they produce and what happens to it. Mentioned the potential fi nancial opportunities in reuse and recycling that is being missed.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Collaborate with Local Businesses: Work with local recycling companies to build trust and improve recycling accessibility.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Provide resources for small businesses	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Clear, easy-to-read guidelines: Printable materials that can be displayed in workspaces for staff and customers.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Small and medium-sized businesses need systematic support to address capacity constraints.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
TRU certifications - use those to inform the SWMP.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Businesses need practical resources when new requirements are introduced. Pairing these rules with tools, guides, and examples of how to comply would make it easier for businesses to participate effectively.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Provide ICI settings comprehensive tools and support/coaching for implementing waste reduction and diversion (e.g. Lethbridge, Squamish)	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
SUI reduction/education for small ethnocultural businesses and suppliers of food service ware	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Work with businesses as well to raise awareness with them	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Improve access to recycling information and training for small business	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Allocate resources to increase ICI diversion, for example, a business waste reduction liaison	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Create a business waste reduction toolkit, including education about how to apply circular economy principles	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Develop policy guide for ICI waste management space and access requirements	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Develop education and outreach programs for non-regulated sector (Non-regulated for City of Edmenton: Commercial collection, commercial self-haul, C&D processing, aggregate recylcing)	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Develop and deliver a community-based social marketing business education plan, including business guides and other outreach programs to inform and educate businesses on waste reduction opportunities	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Carry out a targeted outreach campaign to business to determine and overcome barriers to reducing the use of and increasing the recycling of paper.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Work with health care (and child and elder care) providers, boards, authorities, etc to better understand barriers to waste reduction and recycling, and develop innovative solutions	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Identify lessons learned and/or resources used by businesses and organizations to become more circular and sustainable	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Create a local and regional network to assess and identify opportunities to leverage knowledge and resources on circular principles	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Deliver enhanced support for businesses	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.

IDEA	Strategy Option	ID	Action Option
Help small business understand and comply with BC single-use item reduction regulations	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Education suppliers on how to comply with BC single-use item reduction regulations	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Support and encourage business waste reduction initiatives which emphasize repairability, longevity, and end-of-life management (e.g. Patagonia)	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Work with health care sector to explore smaller regional sorting facilities for medical waste (e.g. collaborate on market sounding or procurement proess to determine potential solutions)	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Work with health care sector to overcome barriers on what can be accepted for recycling	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Supporting businesses with resources and best practices (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Educational Initiatives: Start education from primary school to build lifelong habits and knowledge. Teach the importance of reducing and reusing, not just recycling, to minimize waste. Educate property management (e.g., strata), businesses, and organizations to provide consistent, correct recycling information to the public. Use culturally relevant messaging to reach diverse communities (e.g., framing sustainable practices as cost-saving for Hong Kongers).	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Work directly with businesses that generate the most waste.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Provide education, tools and support directly to food businesses: Easier as haulers have comingled loads from multiple sources. Frame it as a business opportunity, focusing on positive outcomes	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Contamination rates are a significant barrier. It's hard to get consumers to sort properly, and this leads to unacceptable contamination rates for haulers. Even with efforts to recycle at the front of the house, if a recycling hauler picks it up and it's contaminated, it might not even get recycled. This adds costs for owner-operators and creates risks of greenwashing claims. Businesses are saying they're recycling, but contaminated materials don't actually make it to recycling plants. There's a need for support to help businesses navigate these issues, whether it's through haulers or better consumer education.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
There's a knowledge gap due to the provincial small producer exemption. Small producers who are exempt from certain reporting requirements often don't understand what is recyclable or what the costs and impacts of their choices are. Educating these small entities would help close that gap.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Education on the importance of keeping things out of landfill—the costs and benefits	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Expand and prioritize education programs for the multi-family and ICI sectors	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Run a program for businesses to learn about how to become more circular	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Incentive tiers / badges for companies that achieve higher levels of success.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Collaborate with businesses to align with sustainability goals	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Outreach to businesses, property managers	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Have small groups of people go to businesses around the city to educate people how to eff ectively recycle.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
The five circular business models by Accenture (circular supply chains, product as a service, product life extension, sharing platforms, and recovery and recycling) provide a strategic framework to follow in advancing the circular economy.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Consumer responsibility and behavioural change: Highlighting the importance of consumer choices and incentivizing waste reduction through rewards programs and accessible information on proper disposal methods.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Resources and subsidies for small organizations and non-profits would make sustainable practices more attainable.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Work with local disposal food service ware suppliers to make sure they understand the golden design rules	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
Early Education: Start teaching children about recycling and waste reduction at daycare and preschool levels with fun slogans and simple systems. Organize school field trips to recycling centres and green bin facilities for hands-on learning.	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
More educational campaigns, particularly in schools	**4.6. Target recycling education**	ID144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
One other thing I forgot to mention is supporting labour that is provided by organizations in our streets to help clean the recycling stream such as the Binners project, United we can etc...	**4.6. Target recycling education**	ID145	Explore collaborations with non-profits organizations to support better education and sorting in apartment buildings.
Provide the good data and key messages to non-profit partners who are delivering community-level education (train the trainers model)	**4.6. Target recycling education**	ID145	Explore collaborations with non-profits organizations to support better education and sorting in apartment buildings.
Support Informal Recyclers: Provide safety gear and lightweight tools to street recyclers, ensuring their contribution is recognized and safe.	**4.6. Target recycling education**	ID145	Explore collaborations with non-profits organizations to support better education and sorting in apartment buildings.
Have good metrics to track and report. Combine with public tours and media, key influencers, etc.	**4.6. Target recycling education**	ID145	Explore collaborations with non-profits organizations to support better education and sorting in apartment buildings.
Community Conversations: Encourage residents to discuss sustainability with family, friends, and neighbors to foster collective responsibility.	**4.6. Target recycling education**	ID146	Develop educational resources for people to reduce waste when they are hosting a large gathering.
Guidelines for party waste disposal—expectations for after-party cleanups.	**4.6. Target recycling education**	ID146	Develop educational resources for people to reduce waste when they are hosting a large gathering.

IDEA	Strategy Option	ID	Action Option
Foster reuse and sharing culture in the workplace	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Offer guidance on niche waste items like textiles, diapers, kitty litter, and bulky furniture	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Media ads to inform the public about the existence of solid waste services	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Metro Vancouver can fund non-profits to take on education role, non-profits can build trust	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Give better access to tools like waste pickers.	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Offer information in other languages to engage more residents.	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Think of waste holistically, how much waste did we create in creating this material and how much water, etc? App in New West called Recycle Coach - it's not consistent, but you could get prizes through it sometimes. More municipalities could implement something like this	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Would be nice if Metro Vancouver website had search engine for where to throw away items	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Access to a direct source who can speak to these things and students can ask questions	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Clear alternative methods of disposal for waste that's not acceptable in residential collection, show exactly where it can be recycled instead	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Pushing the Recyclopedia app more.	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
There's resources about how to throw away major household items like toasters but not too much formal guidance of what to do with daily household items like little bits left of candles or soap and how to dispose of that sustainably	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Having a standard set like, 'These are the places you can go to for these things' to increase public knowledge. Return-it depot is an example of a success story of having consistency that the public can know offers a certain service. Consistent signage, location names (even if there are private companies that operate them)	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Partnerships with Community Organizations: Collaborate with newcomer organizations (e.g., IRCC, HK House, SUCCESS) to provide culturally specific education and awareness programs. Partner with local community centres, neighbourhood houses, and schools to host workshops, recycling days, and competitions. Set up booths at community events and festivals (e.g., Pride Parade, Greek Festival, Christmas Market) to engage residents.	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Didn't know there was a hotline – need to advertise this	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
An app that everyone can be a part of - find a recycling company.. facilitator noted waste wizard later on	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Education & more signage about expectations and or closest depot	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Hire people to educate residents about recycling programs and the waste systems.	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Didn't know there was a hotline – need to advertise this	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Hire a recycling agent to assist those who have trouble. This could be a great entry-level position for hard-to-employ individuals.	**4.6. Target recycling education**	ID147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
Cultural and Creative Initiatives: Partner with artists to create innovative and creative products from recycled materials, making recycling more fun and engaging. Public-Private Collaboration for Packaging Solutions: Work with supermarkets, stores, and producers to minimize and standardize packaging, making it easier for citizens to recycle. Promote the use of recyclable materials for packaging, such as plastic over styrofoam for meat and paper over plastic for bakery items.	**4.6. Target Recycling Education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Binners policing garbage rooms in apt buldings to ensure recycle, refunds, compost, cardboard is done properly. Create fines to landlords (and individual tenants) who don't comply.	**4.6. Target Recycling Education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Engage community groups to offer practical demonstrations of proper recycling practices	**4.6. Target Recycling Education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Making projects from waste and organize volunteer opportunities	**4.6. Target Recycling Education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Focus on the compactors and record footage in multi-family buildings, this could raise privacy concerns.	**4.6. Target Recycling Education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Give their money to organizations that are doing good things (the Binners' Project) you hire them for events but need to do more by giving them funding	**4.6. Target Recycling Education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Not having someone on-site to do source separation, can get the materials to higher and better uses.	**4.6. Target Recycling Education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Better education and promotion of the benefits of reduction and recycling	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Engage religious and cultural groups to promote ethical waste reduction	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Consider financial incentives to drive desired behaviours	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Rotary Clubs and Lions Clubs could collaborate with Metro Vancouver to spread awareness.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Having an "Ocean Leader" to explain waste management to volunteers and educate the public.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Increased collaboration between community and service groups.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.

IDEA	Strategy Option	ID	Action Option
A lot of people care about their city, but are less connected to the lower-mainland as a whole. Each city has its own community centres and it often feels like the city advertises things more on a city level rather than promoting things to a wider audience. Create understanding of how impact in Langley may also impact Richmond, for example. Have also a common sense of responsibility and accountability and also pride in the progress Metro Vancouver has made	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Engage with schools, universities, and art projects, to create a festival of recycled sculptures and encourage engagement/investment in recycling from the community. A lot of people in the DTES would love to tap into that creative component.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Engage with artists and incorporate recycled art into our natural landscape.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Incorporate recycled art into our natural landscape. Engage with schools, universities, and art projects, to create a festival of recycled sculptures and encourage engagement/investment in recycling from the community. A lot of people in the DTES would love to tap into that creative component.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Engagement has to be in a language and in a way that connects with them	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Consider connecting with faith-based communities as another entry point for sustainability and waste management programs	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Using non environmental language can help get more people interested in environmental issues	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Really like the piece about making it tangible for people to see the effects of their behaviour. In Tehran, we had a public chart that said what the pollution levels were. We do the same thing with the fire risk charts in BC. Having something built like that around town that reflects what the current state is, and what the projected state is	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Financials: Tell people how much they are saving by doing these things	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
My mom is from India and getting her to recycle is a lifelong process, but when someone realizes how long something lasts for, that could be an incentive. Incentivizing with money is helpful; now because you have to buy bags at the store, now everybody is bringing reusable bags.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
BC Hydro has those prizes and you have to go online and answer the questions and you could get a prize. The prize makes it work.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Collaborate with different artists to create more interesting ideas/products regarding recycling, let people know that recycling could be fun and creative as well	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Advertising and Awareness Campaigns: Use public transit platforms, social media, and public spaces to advertise recycling programs and apps like "VanCollect." Create memorable slogans and visuals (e.g., “Yellow for cans, Blue for paper, Brown for bottles”) to aid recycling education.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
In BIPOC spaces that I have been in previously there was more value in having more nuance, rather than one simple way of advertising. There needs to be a way to approach nuance within the cities	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Frame issues to different cultural communities based on cultural values for example many Hong kongers care about money so frames a sustainable practices as a money-saving measure	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Accessible Educational Materials: Booklets or leaflets available at libraries and community centres. Simple, unified posters explaining recycling systems for newcomers and residents like during COVID.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Increase advertisement of waste systems. E.g. YouTube, and not just online, but with posters and person-to-person.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Get the media involved!	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Leverage trendy social platforms (e.g. tiktok)	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Use social media to get facts out.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Distribute posters and fl iers to help educate residents. Monthly newsletter to help educate and inform.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
We need to focus on advocacy and what goes where - half the people don't know how to sort waste. Not one-way information; like how we have the signs up against garbage areas. We need to do some leverage of social media and outreach and make it appealing and interactive	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Metro Vancouver’s reusables superhero social media campaign is compelling; this could be circulated with other groups and posters put up around town; also it could be expanded into recycling sorting	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Social media - cool engagements that are up with the trends! Collaborate with youths.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Hand-delivered notices to residents	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Create a Metro Vancouver newspaper to share with residents	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
News advertisements - get stories on the news to promote waste disposal. Build a new media campaign. Get big chain restaurants to reduce packaging and get them to be a part of the advertisement.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Local/Canadian social media influencers to make funny ads on waste disposal (youth awareness) → combine with raffle to get views up	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Use of Media and Influencers: Partner with KOLs (Key Opinion Leaders), YouTubers, and celebrities to promote reduce-reuse-recycle messages and green bin use. Leverage social media algorithms to target specific audiences with educational and promotional content.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.

IDEA	Strategy Option	ID	Action Option
Recycling campaign challenges where you post on social media might work. Meme challenge could also work. TikTok challenge?	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Door-to-door flyers (even though many times they're ignored)	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Use social media to share information	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Campaigns and signs in parks about waste disposal.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Showing the public how they would deal with the recycled materials? E.g. What is the process in detail? Making videos and posting on social media would be helpful.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Create videos and social media content explaining the recycling process and environmental impact of proper waste management.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Partnerships and Collaboration: Partner with influencers and content creators on platforms like YouTube, Instagram, and Spotify.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Expand the types of platforms used for education through social media – to counteract messaging promoting skepticism on platforms that governments currently aren't using (e.g. Tiktok)	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Physical brochures rather than QR codes to overcome technological barriers	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Advertising and Outreach: Increase advertisements in accessible locations (e.g., malls, transit stations) and social media to share clear recycling instructions. Reach out to community chat groups (e.g., Champlain Chat, Nextdoor) and Facebook groups to disseminate information. Use influencers, KOLs (Key Opinion Leaders), and celebrities to promote recycling and turn sustainability into a social trend.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Implementing robust educational campaigns: Launching ongoing public education campaigns using various channels, including social media, community events, and school programs, to reinforce proper sorting practices and highlight the benefits of participation.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Collaborating with media outlets: Working with media outlets to provide accurate and positive coverage of recycling initiatives and achievements, highlighting the benefits and importance of public participation.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Provide outreach and support with waste management to newcomers to Canada	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Promote sustainability —instagram reals - short form content	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Marketing, promotions and social media, brand ambassadors around fabric waste	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Social Media Campaigns: Use social platforms to share educational content, promote initiatives, and amplify the voices of community members.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Social media is a powerful tool, especially for reaching younger audiences. Creative, attention-grabbing content, like short videos, could make a big impact. Viral campaigns might be worth exploring.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Highlighting success stories might inspire others to follow suit.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Public-space activities like games or quizzes about recycling could make education more engaging. Social media can also be used to show the lifecycle of materials and demystify recycling processes.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Use traditional media platforms—news, newspapers, online articles	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Social media posts—education and engagement efforts	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Educate public about the ecological transition by prioritizing the resilience of people in vulnerable situations. Put in place awareness programs that emphasize the advantages of achieving the ecological transition in several spheres such as health, quality of life, mobility and finances.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
People need to hear more about the damage that is happening to our planet. Like the way ICBC does commercials, we need to be shocking people with commercials about the planet.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Education about how recycling impacts climate change and other societal issues	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Education on waste and how it really impacts the earth and the environment	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Focus on the education and collaboration to bring out the message of personal consumption awareness and culture change	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Success stories, such as the high recycling rates in BC compared to other provinces, should be celebrated and communicated widely. Publicizing these achievements can motivate continued engagement.	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Go to place where people are killing time on their phone. Taxi-cues, elevators, bus stop	**4.6. Target recycling education**	ID148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
Convene health authorities to work together on solutions for improving waste reduction and recycling in the health care sector	**4.6. Target recycling education**	ID149	Host industry specific dialogues to better understand and co-solve recycling and waste prevention challenges
Stimulate innovation in the residual material value chain: be on the lookout for societal transformations to meet the needs and issues of different stakeholders involved in the residual material value chain, such as companies, municipalities, and citizens, as well as all organizations directly involved in collection, sorting, recycling and reclamation.	**4.6. Target recycling education**	ID149	Host industry specific dialogues to better understand and co-solve recycling and waste prevention challenges

IDEA	Strategy Option	ID	Action Option
Most large retail spaces produce a lot of packaging and recycling. They should be required to hire people to sort and divert waste. There is less connection between the leadership of these large spaces and the actual waste they produce and what happens to it. Potential financial opportunities are being missed.	**4.6. Target recycling education**	ID149	Host industry specific dialogues to better understand and co-solve recycling and waste prevention challenges
Encourage/require large buildings/businesses to hire groups like Binners' Project to sort waste.	**4.6. Target recycling education**	ID149	Host industry specific dialogues to better understand and co-solve recycling and waste prevention challenges
There's interest in exploring ways to recycle sterile, prepackaged medical equipment waste. Packaging that includes medical terms often isn't biohazardous but is not being taken by haulers due to safety concerns. Collaborative efforts to understand what types of packaging are recyclable and integrate those changes into procurement decisions would help. Metro Vancouver can provide subject matter expertise on acceptable packaging	**4.6. Target recycling education**	ID149	Host industry specific dialogues to better understand and co-solve recycling and waste prevention challenges
More education that tissues and paper towel don't go in the paper bin	**4.6. Target recycling education**	ID150	Research and target the most confusing items for residents that are often incorrectly sorted.
Comments that the interests and priorities of some First Nations are around materials that are difficult to find recycling and disposal options for (i.e. plastics, used oil, mattresses).	**4.6. Target recycling education**	ID150	Research and target the most confusing items for residents that are often incorrectly sorted.
Concerns around public understanding about recycling -- what can be put into which recycling bin for curbside pick up. Suggestion that a video would be a helpful tool	**4.6. Target recycling education**	ID150	Research and target the most confusing items for residents that are often incorrectly sorted.
Surveys could help	**4.6. Target recycling education**	ID150	Research and target the most confusing items for residents that are often incorrectly sorted.
Still feels unsure about what can be refunded especially regarding milk containers.	**4.6. Target recycling education**	ID150	Research and target the most confusing items for residents that are often incorrectly sorted.
Education for public, including youth and businesses, to encourage repair and reuse first, and purchasing durable, long-lasting products. Tailor education by learning where people struggle	**4.6. Target recycling education**	ID150	Research and target the most confusing items for residents that are often incorrectly sorted.
Broader Scope of Education: Provide detailed instructions about less common recyclable items, not just bottles for Return-It depots. Educate on composting options, including technologies like "Lomi" for home use.	**4.6. Target recycling education**	ID150	Research and target the most confusing items for residents that are often incorrectly sorted.
Real time data tracking to "gamify" waste reduction - make it engaging, informative and FUN! (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?)	**4.6. Target recycling education**	ID151	Gamify recycling and reduction education.
Get people to reimagine an alternative reality for waste management. Minecraft might be an interesting place to start (or wherever the kids are playing games nowadays)	**4.6. Target recycling education**	ID151	Gamify recycling and reduction education.
Look at gaming communities like Twitch and ask them how to connect games with waste management. A lot of incentivizing comes from games already.	**4.6. Target recycling education**	ID151	Gamify recycling and reduction education.
Incentives and Engagement: Create incentive programs for recycling, such as supermarket discounts, coupons, or cost reductions for consistent recyclers. Increase costs for garbage disposal to encourage recycling and proper sorting. Gamify recycling through apps or programs that reward participation and good practices.	**4.6. Target recycling education**	ID151	Gamify recycling and reduction education.
Social Incentives: Create community-led initiatives like "Recycling Parties" or competitions that gamify recycling and composting to make participation engaging and fun.	**4.6. Target recycling education**	ID151	Gamify recycling and reduction education.
Gamifying participation could help. For example, setting a community challenge to raise recycling rates from 65% to 70% could foster collective action.	**4.6. Target recycling education**	ID151	Gamify recycling and reduction education.
Competitions or challenges, even between neighborhoods or communities, could make participation more fun.	**4.6. Target recycling education**	ID151	Gamify recycling and reduction education.
Provide accessible and visible educational resources tailored to regional needs.	**4.6. Target recycling education**	ID152	Collaborate on the development of how to recycle videos to improve community pride and accuracy of recycling.
Provide visual instructions for how to recycle	**4.6. Target recycling education**	ID152	Collaborate on the development of how to recycle videos to improve community pride and accuracy of recycling.
Use visuals and demonstrations to overcome language or cultural barriers	**4.6. Target recycling education**	ID152	Collaborate on the development of how to recycle videos to improve community pride and accuracy of recycling.
Visual aids: Use signage and diagrams to make waste sorting simpler and more intuitive.	**4.6. Target recycling education**	ID152	Collaborate on the development of how to recycle videos to improve community pride and accuracy of recycling.
Conducting comprehensive needs assessments: Undertaking thorough needs assessments to project future waste generation and diversion needs, considering population growth, economic development, and evolving waste composition.	**4.6. Target recycling education**	ID153	Work on understanding recycling data and challenges in specific commercial sectors such as events, film, tourism, food service, and health care.
Attaining generation rates for commercial businesses	**4.6. Target recycling education**	ID153	Work on understanding recycling data and challenges in specific commercial sectors such as events, film, tourism, food service, and health care.
Provide feedback to citizens/businesses on results to show transparency, foster trust, encourage action (high level data)	**4.6. Target recycling education**	ID153	Work on understanding recycling data and challenges in specific commercial sectors such as events, film, tourism, food service, and health care.
We need Metro Vancouver to study healthcare waste (for example, by performing waste audits) to better understand the composition of the material. Auditing waste at the source and getting feedback on what is being rejected and why could help us improve. Blanket bans on recycling from certain sites make it difficult for us to understand what went wrong.	**4.6. Target recycling education**	ID153	Work on understanding recycling data and challenges in specific commercial sectors such as events, film, tourism, food service, and health care.
Work with health care sector to better understand composition of medical waste	**4.6. Target recycling education**	ID153	Work on understanding recycling data and challenges in specific commercial sectors such as events, film, tourism, food service, and health care.
AI and App Integration: Develop an AI-powered app to guide residents on what, where, and how to recycle/dispose of solid waste. Include multilingual options, visual aids, and voice command features for inclusivity. Offer notifications for waste collection days and nearest drop-off sites.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Overall, more education is required bc i see too many neighbours putting out ONLY their one large garbage bin + perhaps the blue box…..therefore there is no separation being done by the homeowner. BUT, in light of #1 above, i feel like the "dolt" for meticulously washing/cleaning out the containers every week, separating paper and plastic, place them accordingly, etc etc…..	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
A question - a few years ago, Metro Van or CoV were going to have an app that you could put in and check if this thing is recyclable; not sure if that still exists - is there something LIKE that? Now that technology and AI are big. She's been to Globe many times and there's often a machine that will sort recycling for you - but maybe using some of that technology in those ways	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.

IDEA	Strategy Option	ID	Action Option
More language options for educational materials	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
All of my neighbours were Iranian and they weren't going to get info on the Metro Van website in Persian. It needs to be on the bins to match the access needs for the people in the area	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Public Communication: Launch a regional public awareness campaign to educate residents on the unified policies, using simple, consistent messaging in multiple languages.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Multilingual Guides: Distribute recycling and composting guides in the most common languages spoken in the community, supplemented with visual aids for clarity.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
User-Friendly Applications: Design AI-powered apps with simple interfaces, voice commands, and multilingual support to assist residents in identifying and sorting waste.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Public Training: Offer workshops and tutorials to teach residents how to use AI tools for waste management, with a focus on accessibility and inclusivity.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Multilingual Sorting Apps: Develop apps with AIdriven image recognition that allow users to scan waste items and receive clear, multilingual instructions on how to dispose of them.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Voice Command Integration: Incorporate voice assistant technologies (e.g., Alexa or Google Assistant) to answer solid waste management	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Study who is not using these services and why before doing anything	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Pilot technologies for reducing contaminants in organics recycling. Metro Vancouver should continue to pilot new technologies, in collaboration with members, industry and other stakeholders. A priority area of interest for future pilots is technology that can help residents and businesses understand what contaminants they're introducing to organics recycling, and other diversion streams.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Colleting data on the source of waste and being able to pinpoint the geographical origin of the waste generated would allow municipal governments to have campaigns targeted at specific neighbourhoods promoting better recycling habits.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Implement regionally consistent contamination reduction efforts to improve material quality, including education, sorting instructions, collection equipment changes, and customer feedback methods	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
From a systemic approach: increase the rates of correct garbage disposal and recycling. Lots of areas out there recycling and garbage together.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Penalties for polluters or non-conformers to encourage proper disposal	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Publish regular statistics on recycling rates, contamination rates, and outcomes (e.g. what recyclable are turned into)	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Impose fines for improper sorting or contamination	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Investment in AI/technology could improve quality of product	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Provide more information about what can/can't be recycled to get cleaner streams – more valuable material going toward recycling	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Improving quality of material and adopting innovation. Consider AI solutions (e.g. for organics). Automatically notifies the correct address. Include these things in RFPs/bylaws	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Let haulers be a part of the solution. Education the public on the rounds.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
More public education (for example for reducing contamination)	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
There aren't enough people at transfer stations to catch folks who are poorly operating - the transfer station is just one point; the haulers are bringing in waste from multiple buildings, so there's a bit of a MISS there. Accountability - it's hard when there's no MEANS of putting the accountability back on the individual within a multi-family building / strata. It seems to be missing something in that equation.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Provide more targeted education on what can and can't be recycled	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Local organizations, food banks, local buildings, local binners. Have small groups of people go to businesses around the region to educate people on how to effectively recycle. Let haulers be a part of the solution, they can educate the public on their rounds.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Suggestion is to start with a pilot program,specifically targeted to specific populations	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Enhance public education and promotion of need for accountability	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Incentives for haulers to work with customers to recycle and reduce	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Develop systems to provide feedback to generators (collectively as a community as well as to individual generators)	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Incorporate new technology where possible throughout the facility to enhance customer experience and operational performance, such as artificial intelligence in recycling depots – to help improve data transparency and visibility on contamination.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Introduce Enforcement and Incentives: Introduce enforcement mechanisms like fines for contamination and rewards for proper sorting. Offer financial incentives for buying eco-friendly products or participating in recycling programs.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.

IDEA	Strategy Option	ID	Action Option
If a building is consistently doing the wrong thing there needs to be a notice about that. Bin going into landfill and going to waste because they don't understand what goes where, so action needs to be taken in advance. Sticker on the bin that says what the contamination was so that it doesn't happen again	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Identifying underperforming areas and targeting them with focused campaigns would be more effective than blanket messaging. Digital tools can help with precise targets.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Research the potential applications of AI in waste reduction	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
leveraging technology and data to reduce waste at source (ie AI, opitical sorters, app-based reuse options, source analysis) (In response to what waste reduction, recvcling and garbage disposal topics are most important, now and into the future?)	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
In person from the waste hauler. They're already coming to the building; if they're able to provide information to a resident, a strata council, a property manager first hand - here's some flyers, put them up, or waste haulers coming to a building to provide more outreach. Building on waste haulers - one of the challenges is there is not much accountability from them, they're just providing a service to get trash from here to there, there's not necessarily - some of them are there to make money first, they're not there to be the best movers and shakers in waste; so, somehow metro vancouver, the BC government, to put more responsibility and accountability to be a PART of the solution rather than just a part of the problem	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Introduce Enforcement Measures: Use CCTV or other enforcement tools to deter non-compliance. Introduce waste diversion KPIs for local councillors to drive motivation and accountability.	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Leverage artificial intelligence to increase accountability at multi-family residences by installing cameras on container lids or in recycling rooms; address potential privacy concerns; streamline practices for multi-family across the region	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Use artificial intelligence to monitor contamination	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Use robots/automation and AI to sort garbage, reduce contamination, and refuse items that are reusable	**4.6. Target recycling education**	ID154	Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
Industry to develop a registry of the supply of volumes, annual volumes reported out and validated through assurance from independent 3rd party	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Common confidential database so that we can measure reductions/increases - independent industry platform.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Reduce uncertainty and confusion that arises from varied responsible parties (owner, manager, strata, board, landlord, custodians) for maintaining and ensuring compliance with waste diversion programs in MF buildings.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Clear definition of what is considered recycling (e.g. use of wood as fuel)	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
More education for general public about different types of garbage disposal	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Provide clear, detailed information about what happens to recyclables after collection, including videos, reports and publicized success stories	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Provide comparisons with other regions and proof of recycling effectiveness	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
More communication through newsletters, YouTube videos, or apps detailing recycling practices and successes	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Provide evidence of successful recycling outcomes, such as showing products made from recycled materials to ensure the public knows their efforts are not wasted	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Educate the public about separating waste and improve accessibility	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Simplify: focus on tangible examples of recyclable products.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Lack of education for people - the very existence of recycling programs makes people complacent (about prevention and reduction); okay, I'll chuck it in there, I've done my part. People don't know that things are not properly recycled, that when you put greasy stuff in it just contaminates something. People don't even know what is supposed to go in the blue bin. So, there should be more education about what can and cannot be recycled.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
We're talking about plastics and the 9% recovery figure, and RecycleBC claims its much higher in BC, and that they make something with the plastics, using Merlin Plastics. They claim they can make soft plastics and make a usable product they can resell. But it would be really nice to SEE that, talking about transparency, maybe more people would be interested if they actually saw something in their media feeds that told them that was happening, or commercials in regular television. At London Drugs where they accept the flexible plastics, and the City Zero Waste Center, they're the only places u can do that. Would be nice if EVERY PUBLIC BUILDING was doing that; I don't know if they have a special deal with London Drugs (LD). Did LD agree to subsidize the program? Every community center, every library, city hall, they should have those kinds of waste receptacles. But still, that's all recycling, that's not preventing waste.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.

IDEA	Strategy Option	ID	Action Option
I think Metro already is beginning this campaign, but my suggestion is to reinforce in the mindset of the public that materials that go in your Recycle BC bin DO get properly recycled. The CBC report that came out 2 years ago that shows material is not recycled has grown wings and lives on in the minds of Canadians still, even though it's not true for BC's bales of material. That report turned many people from active participants in the recycling program into people who are ambivalent and half-heartedly participating (if at all).	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
We need to be more aware of what actually happens with our waste; how little is recycled, how degraded recycling quickly becomes, how much it costs us, individually, AND what alternate options are available, then I would expect that people might vote with their wallet by making better choices about the products that they buy.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Need to communicate the data more	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Where does all our waste go after it's collected? Both positive and negative statistics are of interest	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Information on why it's important to separate waste properly, importance for our region and services	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Comic/art pieces showing what's done with the waste/where it	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Government programs should educate the public on recycling and the environment.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
First, consumer awareness needs to improve: Consumers should understand legislative mandates and who is responsible for recycling.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
TV advertising showing lifecycle of our recyclables	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Provide a "waste journey map" to show the flow of recyclables, their destinations, and processing facilities, enabling accountability.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Establish public-friendly display points at recycling facilities (e.g., like WEEE Park in Hong Kong) to showcase operations.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Showcase products made from recycled materials, including their origins and processes (e.g., Taiwan's model for recycled textiles).	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Increase exposure of recycling facilities that produce new products from waste to demonstrate tangible benefits.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Form citizen watchdog groups to monitor recycling processes and improve public confidence.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Regularly update citizens with feedback mechanisms and educational visualizations to maintain transparency.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Partner with retailers to create and showcase sustainable initiatives using recycled materials.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Promote examples of products made from recycled materials to show tangible benefits.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Public dashboards or real-time updates on recycling progress to build trust.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Community Outreach and Workshops: Hold workshops at workplaces, libraries, and community centres. Host community forums at public libraries to engage diverse groups.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Educate on roles of different levels of government – as residents don't understand who is responsible for what	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Demonstrate what happens to recycling – this has worked with compost giveaways that tell the story of where compost comes from	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Educate about extended producer responsibility as not everyone understands it	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Clarity and Transparency: Provide clear, simple instructions for recycling and green bin use, especially for newcomers and non-native speakers. Increase transparency about where recycling fees and eco-fees are spent and how they impact the environment. Share examples of infractions and their consequences, helping residents understand the importance of proper recycling practices.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Visualizing the Impact: Use visual tools and media (e.g., showing the life cycle of reduce-reuse-recycle) to make the benefits of waste reduction more tangible. Highlight long-term consequences of not recycling through compelling visuals, like ocean pollution from plastics.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Demonstrating transparency in recycling processes: Providing clear information about the destination and processing of recycled materials, including showcasing success stories and the positive impact of recycling efforts.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Video about nothing gets recycled, was very popular. Make more of those to promote confidence in recycling systems.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
A media push on myth busting for waste	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
The data for the recycling report is quite buried - need to make it easier for people to find the data	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
We are responsible together and showing the system creates a bit more understanding about where it goes and who is responsible	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.

IDEA	Strategy Option	ID	Action Option
Providing data transparency as scores for various municipalities (data on a more granular level) might help to define the challenges (and amplify the munis that are doing this well, including what's working) to help a resident understand how this impacts them (and the region)	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Provide strong messages not only about "Metro Vancouver is so good at recycling" but go deeper to why/what areas, what happens after we provide something to recycling (clear up misconceptions about what goes where/whether it's recycled in BC or elsewhere)	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Share success stories and statistics to demonstrate the impact and benefits of recycling programs.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Provide explanations for why specific waste management practices are required.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Public campaigns should focus on simplicity and clarity: If processes are easy to follow, residents are more likely to participate.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Transparency and confidence in waste management: Clear standards for recycled materials and consistent messaging are key to rebuilding public trust.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Reinforce that there is no AWAY, the recent history of garbage links to a patriarchal landowner system where they got together to make garbage go away.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Educate and re-educate the public on proper solid waste and recycling disposal	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Provide ongoing and detailed data and analytics on waste reduction information to increase transparency with residents of the community and businesses/organizations.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Combating misinformation and negative publicity: Actively addressing public concerns and misinformation about recycling practices, emphasizing the effectiveness of programs and dispelling myths that undermine public confidence.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Transparency and education are working well. Facility tours provided a clearer understanding of waste management and recycling processes. Expanding these educational opportunities would make a big difference.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Positive stories about recycling success need to be shared to counteract the cynicism people feel. Many are discouraged by statistics like only nine percent of plastic being recycled.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Leverage social media for positive messaging; create reels about the journey of organics from the bin to the finished compost product	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Amplify messages on what happens to recyclables; example is collaborating with C&D and recycling processing facilities to produce videos or organize tours for the public	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Social Media and Public Awareness: Leverage social media and age-appropriate platforms to promote recycling awareness. Use campaigns that highlight the consequences of poor recycling practices to create urgency. Encourage staff and businesses to set better examples and follow proper recycling practices.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Please continue enhancing current services while communicating out the benefits to all who are participating	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Include annual report data in a public dashboard. Data from Metro Vancouver's annual and biennial reports could be included in the public dashboard described above (see Question 1, Idea 1) to help make KPIs, long-term trends and progress towards regional targets more visible to the public.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
A media push on myth busting for waste	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID156	Increase transparency of which organizations are handling which materials.
Provide public tours of recycling facilities to show how materials are processed and repurposed to help promote confidence in the system	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID157	Facilitate public tours of recycling facilities so that residents can see what happens to their materials.
Add what happens to material in the waste wizard	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID158	Facilitate adding what happens to material in recycling option databases.
Recycling end market traceability for commercial sector recycling. Use smart trackers to ensure clarity on where discard streams go, share data to improve public confidence in system	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID159	Show where waste goes and how it's processed to provide more transparency in the recycling system.
Implementing transparent data tracking: Developing a comprehensive system to track and measure waste generation, diversion rates, and the environmental impact of waste management practices. This data should be readily accessible to the public to ensure transparency and accountability.	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID159	Show where waste goes and how it's processed to provide more transparency in the recycling system.
Increase organics and recycling frequency	**4.7. Increase transparency of what happens to**	ID125	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Expand organic waste collection	**4.7. Increase transparency of what happens to**	ID125	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Make Organics curbside collection and drop-off options available across the region for all residents (SF and MF) and ICI sectors	**4.7. Increase transparency of what happens to**	ID125	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Supporting MF buildings to have strong sorting and collection systems (Strata organizations better recycling performance, good contracts for service of buildings + property management companies)-connecting people with the information	**4.7. Increase transparency of what happens to**	ID125	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Communal sorting space - pros and cons of this: Individual bins may be more successful. Consider that there might be success by taking the conversation about generating solutions to each individual building (consult each building for what would be best FOR THEM – the building specs, the people in the building will have individual needs – thus empowering residents to create their best solution)	**4.7. Increase transparency of what happens to**	ID125	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
Increase organics and recycling frequency	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID125	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.

IDEA	Strategy Option	ID	Action Option
Consider accountability and transparency measures, both for Metro Vancouver and for customers of haulers who may not be getting the services they are paying for (noted example of recycling being mixed in with waste when taken away)	**4.7. Increase transparency of what happens to materials from recycling and green bin programs**	ID159	Better transparency of what happens to materials collected from generators
Reduce Illegal Dumping: Increase monitoring and penalties for illegal dumping while promoting accessible disposal options.	**4.8. Prevent litter and illegal dumping through public space recycling initiatives**	ID174	Enhance litter and illegal dumping data.
Continue to waive disposal fees for community clean up materials (in partnership with members and groups) + develop a support program	**4.8. Prevent litter and illegal dumping through public space recycling initiatives**	ID176	Support community clean-up initiatives.
Making more actions in order to stop poverty including those homeless people on the street. Homeless people can produce lots of waste so we have to take actions on how to stop this situation before the streets are filled with garbage and waste.	**4.8. Prevent litter and illegal dumping through public space recycling initiatives**	ID176	Support community clean-up initiatives.
Wildlife attractant management should be a part of the management plan	**4.8. Prevent litter and illegal dumping through public space recycling initiatives**	ID177	Research the impacts of improperly managed waste on wildlife.
Greatly increase fines for improper waste disposal, such as illegal dumping.	**4.8. Prevent litter and illegal dumping through public space recycling initiatives**	ID178	Review approaches in other jurisdictions to reduce illegal dumping
Investigate the role of AI in public waste receptacles	**4.8. Prevent litter and illegal dumping through public space recycling initiatives**	ID178	Review approaches in other jurisdictions to reduce illegal dumping
Concern around littering in Parks. There are wetlands in some First Nations lands that require protection.	**4.8. Prevent litter and illegal dumping through public space recycling initiatives**	ID178	Review approaches in other jurisdictions to reduce abandoned waste.
Strengthening enforcement and penalties: Implementing stricter enforcement mechanisms and meaningful penalties for illegal dumping and improper waste disposal to deter negative behaviours.	**4.8. Prevent litter and illegal dumping through public space recycling initiatives**	ID178	Review approaches in other jurisdictions to reduce illegal dumping
Share information with respect to construction and demolition waste characteristics and quantities to support investigations into the potential to recover materials from non-recyclable construction and demolition waste.	**5.1. Recover materials and energy from non-recyclable materials**	ID168	Share information with respect to construction and demolition waste characteristics and quantities to support investigations into the potential to recover materials from non-recyclable construction and demolition waste.
Collect dimensional lumber not suitable for reuse or recycling to process into fuel to replace fossil fuels in applications such as district energy and other decentralized heating and agricultural/industrial systems.	**5.1. Recover materials and energy from non-recyclable materials**	ID169	Collect dimensional lumber not suitable for reuse or recycling to process into fuel to replace fossil fuels in applications such as district energy and other decentralized heating and agricultural/industrial systems.
Repurpose existing industrial facilities to incorporate waste-to-energy	**5.1. Recover materials and energy from non-recyclable materials**	ID170	Encourage diversion of non-recyclable construction and demolition waste to recover recyclables and alternative fuels in facilities with advanced environmental protection systems such as cement plants.
Continue to pursue processing of small load waste to recover recyclable and metal	**5.1. Recover materials and energy from non-recyclable materials**	ID171	Continue to pursue processing of small load waste to recover non-recyclable wood and other materials.
Government could allow for C&D waste to be used as a source for bioenergy or bio-materials by facilitating and funding the processes that promote circular economy in general	**5.1. Recover materials and energy from non-recyclable materials**	ID172	Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biocoal
Explore potential for biochar in waste reduction	**5.1. Recover materials and energy from non-recyclable materials**	ID172	Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biocoal
Biochar facility (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	**5.1. Recover materials and energy from non-recyclable materials**	ID172	Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biocoal
Fund alternative technologies – biocoal, fuel alternatives, etc.	**5.1. Recover materials and energy from non-recyclable materials**	ID172	Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biocoal
Advance and fund the technologies such as gasification that can convert the C&D wood waste into energy and fuel such as: Electricity ,Aviation fuel or hydrogen, Biomass/Biocoal	**5.1. Recover materials and energy from non-recyclable materials**	ID172	Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biocoal
Work with Fraser Valley RD to jointly research 2-3 combined heat and power plants for lower mainland	**5.1. Recover materials and energy from non-recyclable materials**	ID172	Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biocoal
Easing the regulations that facilitate the energy and fuel generation from C&D wood waste	**5.1. Recover materials and energy from non-recyclable materials**	ID172	Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biocoal
Continue to pursue the beneficial use of bottom ash from the Waste-to-Energy Facility in cement plants.	**5.1. Recover materials and energy from non-recyclable materials**	ID179	Continue to pursue the beneficial use of bottom ash from the Waste-to-Energy Facility in cement plants.

Appendix O

Ideas Incorporated Into Other Plan Sections

IDEAS CONSIDERED FOR OTHER SECTIONS OF THE UPDATED SOLID WASTE MANAGEMENT PLAN

The following ideas were not considered in the list of draft strategies and action options, but will be considered in the development of various components of the updated plan as indicated in the table below.

IDEA	Plan Section
Investigate collaboration opportunities with educational institutions to research new landfill gas beneficial uses and technologies.	These ideas relate to Metro Vancouver's Climate 2050 Strategic Framework, which sets regional targets for GHG emission reduction. These ideas will be shared and discussed with Metro Vancouver's Air Quality and Climate Action Services team to discuss how they fit within the framework.
Energy from residual waste is optimized to support climate goals.	
Working towards a zero emissions solid waste fleet.	
Reduce GHG's by processing locally (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?)	
Conduct a GHG audit of waste transportation logistics to reduce operations-related GHG emissions.	
Translink for transporting the waste with public transportation.	
Meaningful consultation and partnership: Ensuring meaningful consultation and engagement with First Nations communities throughout the planning and implementation phases of the solid waste management plan.	Metro Vancouver recognizes that the Solid Waste Management plan can have an impact on Indigenous peoples and communities across the region and that Indigenous knowledge, perspectives, and priorities can contribute to the Plan. As such, we will continue to engage with First Nations on a government-to-government level as we develop and implement the updated solid waste management plan.
Invite partnership with local First Nations to learn from perspectives and ways of doing things that use less resources	
Reconciliation Goals: Ensure that partnerships align with the goals of reconciliation by providing equitable representation and opportunities for Indigenous communities in decision-making and implementation.	
Educational Integration: Include Indigenous perspectives on sustainability in public education campaigns and school curriculums to foster awareness and respect for these values.	

IDEA	Plan Section
Develop engagement forums with local First Nations. Metro Vancouver could create and facilitate a discussion forum for solid waste professionals, local First Nations and community groups to share ideas and discuss challenges and opportunities to waste reduction and the transition to a circular economy.	Metro Vancouver recognizes that the Solid Waste Management plan can have an impact on Indigenous peoples and communities across the region and that Indigenous knowledge, perspectives, and priorities can contribute to the Plan. As such, we will continue to engage with First Nations on a government-to-government level as we develop and implement the updated solid waste management plan.
Collaborate with First Nations communities to incorporate traditional knowledge into waste management strategies.	
The value of integrating Indigenous knowledge into circular economy designs. In many ways, we're trying to live the way Indigenous people have always lived.	
Recognizing traditional ecological knowledge: Incorporating traditional ecological knowledge and practices of First Nations communities into waste reduction strategies and resource management initiatives.	
Supporting First Nations-led initiatives: Providing financial and technical support to First Nations communities to develop and implement their own waste management programs and infrastructure projects.	
Fostering capacity building and economic opportunities: Collaborating with First Nations communities to create training and employment opportunities in the waste management and resource recovery sectors.	
Culturally Inclusive Strategies: Incorporate Indigenous knowledge and respect diverse cultural perspectives in waste management planning.	
Sustainability Values: Collaborate with Indigenous leaders and communities to integrate traditional ecological knowledge and values of sustainability into solid waste management strategies.	
Indigenous Advisory Council: Establish an advisory council comprising Indigenous leaders to guide solid waste management strategies and ensure alignment with Indigenous values and cultural practices.	
Knowledge-Sharing Workshops: Organize workshops where Indigenous communities share traditional ecological knowledge with policymakers, businesses, and residents to incorporate holistic and sustainable approaches.	
Economic Collaboration: Partner with Indigenous businesses and communities on initiatives such as composting programs, organic waste-to-energy projects, and sustainable materials manufacturing.	

IDEA	Plan Section
Clarity on terminology for reuse, recycling, etc.	The updated solid waste management plan will include a glossary. These ideas will be taken into consideration as the glossary is developed.
Glossary of terms (In response to What is missing in this list of emerging themes? What else..?)	
Recycling definition should be more clear (there is a misconception that energy recovery is the same as recycling).	
Words matter. Shift mindset and language, eliminate the word waste.	
Use avoidable vs. unavoidable with caution. Clarify definitions of what is unavoidable. Both avoidable and unavoidable should be unacceptable in disposal.	
It is important to frame the circular economy as an economic, climate, and social strategy.	
Develop a regional solid waste emergency management response and recovery framework in partnership with local governments and community organizations that prioritizes those most vulnerable in a disaster.	Metro Vancouver collaborated with member jurisdictions and the Integrated Partnership for Regional Emergency Management to develop an Joint Municipal Regional Disaster Debris Management Operational Plan in 2017 and intends to revisit this plan in coming years in collaboration with member jurisdictions.
Disaster debris based on individual communities. Need more on mitigation. Asbestos is a major barrier. After a major event, have a lot of material to remove. How do you remove this material before it is damaged? Example: US has tool lending libraries to protect homes and not create debris in the first place. How to build homes for deconstruction?	
Investigate options for managing debris from extreme weather (e.g. community chipping days, special burning allowances in electoral areas).	
Work with regional partners to plan for the mitigation of waste from disasters.	
Work with organizations that make decisions that increase waste during disasters to make waste minimization also a priority (i.e. insurance companies, etc).	
Wildlife attractant management should be a part of the management plan.	
Recycle bins and garbage bins should be raccoon proof like having locks on them.	
Identify actions to support readiness for disaster debris management.	

IDEA	Plan Section
Looking at partnerships with fellow regional districts to see how we might be able to work together example: dealing with drywall together – wood waste (could we do waste to energy collective?)	Metro Vancouver plans to continue to collaborate with neighbouring regional districts on shared solid waste management issues.
Collaboration with adjacent regional districts/province for inter-jurisdictional issues	
When Metro Vancouver is planning an initiative or program, should reach out to other regional districts to explore coordinating and ensuring consistency.	
Regional Districts look to Metro Vancouver as leader – information sharing is very important, for example initiatives, programs, educational campaigns, and technical study reports.	
Interest in collaborating on developing policy and educational material	
Suggestion to establish a platform for regional district staff to meet on a regular basis to share information and collaborate on projects. Currently, some regional district staff attend the Regional Waste Reduction Coordinators Committee, but that committee is more geared towards Metro Vancouver member jurisdictions. A dedicated platform for regional districts would help focus the conversation around advancing issues shared by neighbouring regional districts.	
Possibility of including provincial staff to hear feedback directly from and engage in discussions with regional districts; or alternatively, meet at the regional district staff level first and bring coordinated feedback/recommendations to the Province.	
Would be helpful to have an overall provincial plan to address disposal capacity, particularly when local landfills close. This is a challenge shared by regional districts.	
Collaborating on regional waste management strategies: Working collaboratively with neighbouring municipalities and regional districts to develop integrated waste management strategies that address shared challenges and optimize resource sharing.	
Focus on high impact materials in the waste stream.	These ideas were considered in the development of a waste hierarchy for the updated solid waste management plan.
Elimination of waste – not producing waste in the first place. Consider municipal/regional actions that support waste prevention.	
Think more globally and focus on moving up the waste hierarchy.	

IDEA	Plan Section
Have a pollution hierarchy such that pollution prevention is not undertaken at one level unless all feasible options for pollution prevention at a higher level have been taken.	These ideas were considered in the development of a waste hierarchy for the updated solid waste management plan.
Adopt a pollution hierarchy and framed in the regulation as a guiding principle.	
Adopt the ZW hierarchy as the guide and encourage others to do so as well.	
Pollution Hierarchy 1. reduce environment impact by producing the product by eliminating toxic components and increase energy efficiency; 2. redesign to improve reusability or recyclability; 3. reuse the product, 4. recycle the product	
Adopt the Zero Waste Hierarchy (https://www.zerowastebc.ca/wp-content/uploads/2022/09/ZWIA-Zero-Waste-Hierarchy-8.0-final.pdf) as the underpinning framework.	
Continuing to improve the environmental performance of waste management facilities.	These ideas will be considered in the development of a recycling and waste centre strategic approach for the updated solid waste management plan.
Need to look at infrastructure planning and using the existing system as a foundation.	
Fees collected at solid waste facilities need to go up to encourage more recycling.	
Expand facility accessibility review to all facilities.	
Developing long-term infrastructure plans: Creating long-term infrastructure plans that outline the required facilities, technologies, and investments to support sustainable waste management and resource recovery goals.	
Map out regional locations of facilities to identify where to plan future facilities based on demographics and zoning.	
Expand capacity at recycling depots to receive more recyclables from businesses and municipalities (allowing larger loads and higher limits).	
Review current regulations for taking materials out of region.	
There is already a fully established depot system that could be used in a better way with more opportunity to serve the communities they are already in close touch with. Create more programs and offer the depots to facilitate them.	

IDEA	Plan Section
Explore opportunities to increase diversion at regional recycling and waste centres and disposal sites. Metro Vancouver should continue working with members to develop and evaluate pilots to increase diversion throughout the region.	These ideas will be considered in the development of a recycling and waste centre strategic approach for the updated solid waste management plan.
More affordable options within the region for source separation and disposal are needed.	
Promote Accessibility for Special Waste: Simplify disposal processes for electronics and appliances by enhancing depot sorting systems.	
Explore collection of non-stewarded HHW.	
Improving visibility of sites and expanding into new neighborhoods, improving educations and awareness campaigns.	
Hybrid models combining local and centralized systems to balance cost-effectiveness with scalability.	
A central waste management centres located throughout the city.	
Build more recycling depots and drop-off centers.	
Incentivize organics and recycling programs, such as through discounted municipal rates for recycling v.s. garbage; bundle recycling/garbage services together.	
Build more recycling sites – make them more accessible and located within busy neighbourhoods, not on the outskirts.	
Host depots in public buildings. Encourage other public buildings to be waste depots; increase the number of depots.	
Expand new infrastructure to help manage regional growth/demand and ensure reasonable travel distances to facilities.	
Densification and increased number of people per household is putting pressure on receiving facilities. Facilities are also moving farther away due to cost constraints, which in turn increases travel time and costs for municipalities and ultimately residents.	
Prolong the operating hours of recycling depots.	
Offer flexible weekend or evening drop-off options to accommodate different schedules.	
Invest in additional equipment – compactors.	

IDEA	Plan Section
Continue to upgrade or replace existing facilities and build new facilities where/when warranted.	These ideas will be considered in the development of a recycling and waste centre strategic approach for the updated solid waste management plan.
Maximize the impact of already-established facilities by addressing customer expectations and leveraging this existing infrastructure to support other program changes or new program development. (Focus on improving, enforcing, and buildng on what we already have).	
Update facilities! Edmonton has some of the most up-to-date waste management facilities.	
Assess accessibility of WMFs to ensure they are physically accessible.	
Drop-off points need to be more accessible and better advertised	
Recycling depots should be within walking distance of where people live.	
Easier access to recycling centers via public transport.	
Make facilities more transit friendly.	
Eliminate barriers to accessing depots (e.g. a vehicle is often required to access)	
Conduct periodic assessments of solid waste system facilities for vulnerabilities to different hazards.	
Harmonize recycling rules across municipalities to reduce confusion, such as uniform pickup schedules and accepted materials.	These ideas will be considered in the development of a regulatory strategic approach for the updated solid waste management plan.
Regional approach to service for multi-family instead of private hauling.	
From the point of view of haulers: Provide companies with some kind of certification that is acknowledged by industry or government.	
Improve permitting and licensing programs to move more quickly and be more accessible to a wider range of service providers.	
Third party verification of self-reported recycling rates by processing facilities.	
Third party verification of self-reported recycling rates by processing facilities .(DUPLICATE)	
Licensing and permits.	
Capacity tracking (receivers).	
Audits and certifications.	

IDEA	Plan Section
Collecting good data and 'leakage' out of region.	These ideas will be considered in the development of a regulatory strategic approach for the updated solid waste management plan.
Increase inspection at construction job sites to enhance compliance and increase C&D debris diversion.	
Ensure enforcement of existing regulations.	
Metro Vancouver should raise the price of disposal for C&D waste or stop accepting it altogether.	
Metro Vancouver needs to re-assess tipping fees and see how it impacts where people choose to take C&D materials. The current tipping fee is lower than most private C&D processing facilities.	
Enforcement of C&D recycling and management requirements by periodically inspecting construction sites, in addition to processing facilities.	
Enforcement can be improved at C&D processing facilities; fines should be levied at existing source separation facilities that are not following guidelines.	
Connect projects to haulers (protect haulers and receiver confidential information such as customer base) to receivers (as per SF example), can use Green Halo platform https://www.greenhalosystems.com/	
Transition to mandatory programs for MF buildings.	
Consider regional bylaws for source separation of waste at MF and ICI buildings.	
Consider a regional plan that requires members to include bylaws on MF waste diversion such as organics recycling space in MF buildings.	
Mandate in the waste bylaws that MF buildings must provide education to residents at least once per year and whenever a new resident moves in.	
Offer organic waste collection at 100% of public events. Supervise the collection of organic materials during events temporarily occupying the public domain.	
Offer recycling collection at 100% of public events. Supervise the collection of Recycling materials during events temporarily occupying the public domain.	
Enforce Source Separation Requirements for Recycling and Organics.	
Making Green Bin a prerequisite to receive City Waste Management services.	
Hold municipalities and businesses accountable for their recycling practices.	

IDEA	Plan Section
Offer incentives or fines to encourage better participation in waste reduction from multi-family residents.	These ideas will be considered in the development of a regulatory strategic approach for the updated solid waste management plan.
Policies for encouraging source-separation of the material.	
Identify materials that are effectively recycled, and focus on ensuring those are separated effectively.	
Prioritize getting recyclable materials out of the waste stream.	
Our priority must be to remove recyclables from the waste. Focus on creating and enforcing restrictions and regulations that support resource recovery.	
Use bylaws and enforcement to minimize unwanted actions/contamination.	
Recycle all materials that can be recycled.	
Competition issues can be solved by shifting the responsibility to the generator.	
Point of view of generators: Create regulations to encourage mandatory three containers for businesses.	
Thinks there should be separate bins for organics in housing sites. Also referenced needles as a risk to sorting on some of our sites. Not as hard for refundables because people get money for the items.	
Encourage/require large buildings/businesses to hire groups like BP to sort waste.	
Consistency - sometimes things are not consistent between companies, and between buildings. In our multi family building it seems like we get different information from time to time, and it seems like different buildings have different rules, so some kind of consistency would be really helpful.	
Incentivize source separation.	
Move to penalties after education: Penalties need to be high enough to change behavior.	
Have mandatory recycling composting and waste streams for ICI.	
Make it impossible to just choose garbage: Make it simpler with a package service with 3 bin.	
Increase enforcement for businesses.	

IDEA	Plan Section
Enforcement at point of collection; introduce penalties as a financial disincentive; consider region-wide penalties for consistency.	These ideas will be considered in the development of a regulatory strategic approach for the updated solid waste management plan.
Mandate streams for source separation collection for all MF + ICI settings.	
Accountability should go back to the generator (not the haulers).	
Work with local governments and private sector service providers to develop multi-family waste source separation requirements.	
Develop policy guide and recommendations for recycling, composting and garbage space and access in multi-family developments.	
Investigate shifting disposal ban enforcement to the ICI generator, rather than hauler.	
Implement regular site visits to select large, regularly contaminating multifamily properties, focusing on improving set-up and monitoring of food waste collection and recycling.	
Require the source separation of recyclable materials.	
Require the source separation of organic materials across the community.	
Develop bylaws to require recycling in all multi-family and commercial buildings and complexes.	
Develop a model bylaw and enforcement model to require recycling in multi-family and commercial buildings.	
Explores mandatory approaches to IC&I waste diversion (mandatory recycling bylaws, incentives, disincentives).	
Mandating “bundling” of services by private waste haulers. Bundling refers to private waste haulers being obligated to offer garbage/recycling/compost services together as a package, providing a financial incentive to contribute less to garbage.	
Mandating organics diversion from all sectors.	
The regulations require all businesses and organisations to separate key materials – plastic, glass, metals, paper and card – for recycling, while most food businesses are also required to separate food waste for collection.	

IDEA	Plan Section
Give local authorities more tools to support household recycling and reduce contamination.	These ideas will be considered in the development of a regulatory strategic approach for the updated solid waste management plan.
Fines for non-compliance to encourage better waste sorting.	
A big challenge is ensuring waste doesn't leave the region as MV has invested in infrastructure to it. Working together to figure out how to keep waste in region should be top priority for solid waste management plan.	
Implement fines for improper waste sorting in multi-unit buildings.	
Hold Bad Actors Accountable: Enforce regulations requiring companies and organizations to follow sustainable solid waste management practices. Implement fines or penalties for violations.	
Make it impossible to just choose garbage: Make it simpler with a package service with 3 bin.	
Strengthen the Householder's duty of care obligation in relation to household waste.	
Prices need to be set at a rate that licensed operators can profit and have the certainty they need to invest in new technologies. A suggestion that $300 per tonne would be more required for the market to make a profit.	
Incentivize with lower disposal fees on items that are highly recyclable.	
Higher pricing for disposal compared to separation to save tipping fees.	
Prioritizing high tipping fees: Implementing high tipping fees at landfills and transfer stations to incentivize waste reduction and resource recovery.	
Consider implementing an incentive-based rate structure for nonresidential garbage customers to encourage recycling: offer organics collection to businesses at no additional cost or at rates less than garbage.	
3-Item Garbage Limit.	
Limits in how much residents can dispose of (In response to List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer need.)	
Not all restaurants classify and sort out their garbage. Maybe some incentives for restaurants to recycle more. Maybe a discount can be offered. In downtown, you can	

IDEA	Plan Section
use an app to recycle, but it's not accessible for everyone. (Similar to Mugshare program at UBC).	These ideas will be considered in the development of a regulatory strategic approach for the updated solid waste management plan.
Look at how we're spending the money now, to help analyze how effectively the funds are being used; is there a way we can manage the money from generator levy better to increase value from our efforts? Example: San Francisco's disposal rate high because they apply a levy on waste, take money back from the levy and apply the surplus to subsidize recycling.	
Apply a tax to all waste that is generated and disposed.	
Increase PAYT and the cost differential + do not discount for larger volumes.	
Need stable environment to allow competition to occur at pricing that can allow a business to get an adequate return.	
More leadership from all levels of government is needed to provide more regulatory certainty.	
Consider results-based regulation.	
Look to results-based regulation.	
Require receiving facilities to disclose end-fate of recycled or reused materials (e.g. require breakdowns of the weigh bills to include material types and percentage of residuals).	
License and audit recycling facilities – to reduce fraud on what is actually being recycled.	
Recycling supply chain audits. For example, don't give a recycler like Merlin Plastics credit for 100% of the stuff they receive in reporting when they create residuals.	
Improve reporting from facilities and data tracking.	
Develop a notification system for haulers who may be collecting from producers who are known to break rules.	
Put in a mechanism to report tonnage for private transfer stations and use that to fund the public regulatory system.	
Tracking generators, haulers and receivers.	
Evaluate on a continuing basis, the need to regulate different types of solid waste facilities not covered under current regulation based on their actual and potential	

IDEA	Plan Section
impacts on human health, the environment and neighboring communities. These facilities include, but are not limited to, dismantlers, wood waste grinding operations, landscapers, sludge processors, and specific or single material recyclers.	These ideas will be considered in the development of a regulatory strategic approach for the updated solid waste management plan.
Ensure level playing field (through regulation).	
Appropriate mix of incentives and penalizations for producers who do no follow rules/regulations (“carrot and stick”).	
Incentivize/encourage private industry.	
Protect and incentivize the best actors and players.	
Promoting third-party audits and certifications: Seeking independent audits and certifications for recycling facilities and processes to validate compliance with environmental standards and demonstrate commitment to best practices.	
Consider implementing best practices in MF such as offering public services or a combination of public and private services to MF buildings and three-stream collection on each floor rather than only garbage on each floor.	
Building design guidelines be used in conjunction with zoning or solid waste bylaws to support waste diversion in MF residential buildings.	
Multi-residential Building Development Standards.	
In ALL new buildings the waste sorting area should be built sufficiently large.	
Common recycling areas in condos—should be more accessible for residents.	
Standardize waste separation systems in buildings.	
Have significant deterrents for projects, haulers and receiving facilities that misreport their recycling/waste.	
"Hyper-regulate" (look at new term, effective regulation) mixed waste / commingled, standardized communication.	
https://www.recyclingcertification.org/ to ensure recycling / recovery is taking place.	
Ensure open market for service providers.	
Suggestion to move forward with innovative solutions, possibly within service agreements there could be support for ongoing development of new approaches.	

IDEA	Plan Section
Consult on licensing (permitting) and regulating haulers (as per SF).	These ideas will be considered in the development of a regulatory strategic approach for the updated solid waste management plan.
Community Responsibility: Promote initiatives that center on shared accountability rather than leaving the burden solely on individuals.	
Include indirect emissions. Territorial emissions: 15 Mt CO2e Food = 3%. Consumption-based emissions: 23 Mt CO 2e Food = 19%	These ideas will be considered when developing targets for the updated solid waste management plan.
1. Reduce waste: Food Efficiency (kg food /capita), Progress towards SDG 12.3 (%), Cost of wasted food ($ / capita) Carbon footprint of wasted food (tonnes CO2e/Capita).	
2. Reduce total organics: Yard Efficiency (kg yard /capita), Total Organics Recycled(tonnes), Total Organics Disposed(tonnes).	
5. High quality of finished compost: Contamination Rate(%).	
Benchmark with international jurisdictions: Extend the scope of the Performance Metrics Study by Stantec.	
Set waste reduction and collection targets including interim goals (report back to public on these regularly with communications campaigns).	
Apply a higher standard to public entities in all aspects of Zero Waste initiatives. Trust needs to be earned in order to achieve Zero Waste. Consider transparent measures and metrics.	
Increase recycling targets (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?).	
Increase trgets (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?).	
Understand how much is residual waste and how much is being recycled – set a reasonable target to improve.	
Increase personal and civic targets (In response to What values, interests, and priorities can be considered when updating the solid waste management plan?).	

IDEA	Plan Section
Support Programs: Provide door-to-door waste collection services or home-care support for individuals with mobility challenges or other physical limitations.	"Inclusive solid waste services and programs" is a guiding principle in the updated solid waste management plan. As such, Metro Vancouver will consider inclusivity in the implementation of all actions of the plan, and will take into consideration the ideas provided when developing new programs or policies.
There is a need for social innovation and systems thinking within Metro Vancouver's collaboration efforts. -We need training and education on how to do these things -Design thinking and holistic thinking	
Accessible Infrastructure: Install user-friendly bins with clear visual indicators, ergonomic designs, and height-adjustable features for individuals with disabilities.	
Create volunteer networks to help seniors and disabled individuals with recycling.	
Develop programs to assist seniors, disabled residents, and individuals without cars to access recycling services easily, such as community-based assistance or special pickups.	
Improve accessibility for residential (e.g., shared housings) and small commercial venues (e.g., some rubbish rooms currently are not fully accessible to people in wheelchairs, or the bins are too small, which have higher rate of recyclable items going into the garbage).	
Make sure Metro Vancouver's webpage is up to date with the latest accessibility standards.	
Ensure facilities are wheelchair accessible.	
Identify gaps in service across the region for accessibility.	
More information and easing of awareness and accessibility.	
Identifying and addressing gaps in accessibility to recycling facilities and services is key.	
Help seniors and people with physical disabilities participate in waste reduction efforts.	
Redesign Bins: Develop lightweight, ergonomic bins for easier use by individuals with mobility challenges.	
Sorting recycling into different types, maybe one bin to put all your recycling in that is separated later at a facility than more people would be inclined to recycle? I have a disability and live in river district there is about 8 or 9 bins to sort the recycling	

IDEA	Plan Section
especially when you are in a wheelchair. How much time do they expect on sorting. A sign that indicates what can go into the bins and what can't maybe would reduce the problems.	"Inclusive solid waste services and programs" is a guiding principle in the updated solid waste management plan. As such, Metro Vancouver will consider inclusivity in the implementation of all actions of the plan, and will take into consideration the ideas provided when developing new programs or policies.
Door-to-Door Collection: Scale up existing campaigns to include underserved areas and provide waste collection services tailored to individuals with mobility issues or other barriers.	
Municipal and Community Support: Establish volunteer programs that recruit and train individuals to assist people with disabilities or those less privileged in performing recycling and trash-sorting duties.	
Improve infrastructure, like providing accessible garbage bins and cardboard disposal options.	

Appendix P

Ideas Considered Unadvisable by Staff

Draft Summary of Ideas Staff Consider Unadvisable

The following table summarizes ideas provided in the first two phases of engagement that staff consider unadvisable. Staff have reviewed these ideas by theme and determined that they are inconsistent with Board direction, the plan's vision and guiding principles, or the goals and hierarchy of the plan. Many of these ideas have been discussed and responded to advisory committee meetings.

Theme	Ideas Received	Comments
Stop using landfills to dispose of waste	• Great to get rid of Landfills which produce huge amounts of methane and GHGs • No further expansion of the landfill – opinion that the public does not want that	In spite of the region's success in reducing waste, approximately 1,000,000 tonnes per year of garbage from residential, commercial and institutional sources require disposal. Landfills are an important component of the regional solid waste system providing approximately 75% of regional disposal capacity. Landfills account for more than 95% of residuals disposal in Canada.

Close the Waste-to-Energy Facility	• Look at the long-term capability of Waste-to-Energy Facility and the rationale of expanding with District Energy • Decommission the incinerator, don't use cement kilns for plastic or other recyclables. • Review the true validity of using aging incinerator infrastructure with a new district heating system, it's costly and not sustainable. Explore other renewable energy sources for district heating and conduct full cost accounting for incinerator infrastructure compared to landfill as we continue to reduce waste and recover materials. • Close the incinerator, focus on waste reduction instead, use the land to host a reuse facility for C&D • Phase out incineration • Invest in zero waste actions with most of the savings from closing the incinerator (note concern was raised that the district energy system was locking Metro Vancouver into long term use of the incinerator and a question about the timing)	In spite of the region's success in reducing waste, approximately 1,000,000 tonnes per year of garbage from residential commercial and institutional sources require disposal. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling. Emissions from the Waste-to-Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
Increase Waste-to-Energy Capacity	• Questions about increasing capacity as an alternative to landfilling • Consider more waste to energy. (In response to what waste reduction, recycling and garbage disposal topics are most important, now and into the future?) • Management of material within the region as opposed to transporting materials out of region for processing. This could include waste-to-energy expansion	No work is underway to develop new waste-to-energy capacity.

	• Consider more waste to energy. • Management of material within the region as opposed to transporting materials out of region for processing. This could include waste-to-energy expansion • Waste to energy—district energy system—Metro Vancouver can select rural areas to implement waste-to-energy facilities	
Privatize regional solid waste system	• Suggest a hybrid version where private sector can accept waste, pay a discounted generator levy to acknowledge their investment in infrastructure, and must accept the same materials as Metro Vancouver sites • Adopt a system of off-site or out of region materials processing opportunities for industry - allow for industry to take materials out of region for processing and then back in for disposal • The private sector should be leading infrastructure development within a framework regulated by Metro Vancouver • Avoid public investment in infrastructure that can be replicated by private industry • Suggest Metro Vancouver put regional facilities up for auction and focus on regulating and compliance. Let private industry manage facilities and provide services. • Increase capacity and reduce or eliminate the need to ship waste out of the region by incentivizing development of new licensed private facilities • Suggest Metro Vancouver sell all facilities and allow the private sector to purchase the facilities. Metro Vancouver will regulate, the private sector will manage and operate.	Metro Vancouver provides convenient drop-off for small loads of recyclables, and disposal of garbage for all residents and businesses in the region. This system provides reliable and resilient waste and recycling services that benefit and are available to all residents and businesses who generate waste in the region. It also allows Metro Vancouver to implement the disposal ban program at its facilities which encourages recycling rather than disposal of many recyclable materials. Recycling sorting and processing facilities, and most commercial recyclables collection and drop-off are managed by the private sector. An integrated system allows and encourages private sector innovation in recycling.

	• Have a private utility to manage waste (e.g. BC Utilities Commission)	
Replace source separation programs with single stream recycling collection and mixed-waste sorting programs	• Utilize technologies (e.g., smart trashcans that can sort automatically) • Auto-sorting technology should be implemented—it is time-consuming for people to manually sort waste • AI-Powered Waste Sorting: Implement AI-based sorting facilities that reduce the burden on residents by automatically separating recyclable, compostable, and non-recyclable waste. • AI Sorting Facility: Build an AI-enabled centralized facility for waste sorting, reducing the onus on individuals and enhancing efficiency. • Smart Facilities: Establish AI-enabled sorting facilities to reduce individual sorting burdens and improve overall system efficiency. • Why can't the government make more smart trash cans that sorts the trash for you? • Consider collaboration on mixed solid waste recovery facility • Discuss a pilot of Mixed Waste Processing as in the region of Peel. Higher diversion rate when processing food waste and recycling together? • Make recycling easier for residents by switching to single-stream or employing bet er sorting technologies • People are not wanting to separate their recycling and spend the time, might be bet er to have a single bin for all recycling and then it's sorted later at a facility.	Maximizing source separation ensures high quality recyclables and is consistent with federal, provincial and regional waste hierarchies.

Don't send materials to cement kilns and other industries for recovery	• Enact a policy that does not support gasification, plasmification, pyrolysis, chemical recycling to fuel, cement kilns, and other destructive methods of handling waste. Ensure no Metro Vancouver waste goes to these facilities, and no funding support. • No incineration or cement kiln for burning garbage. Cement kiln purports to be a solution for waste, it's an issue of distortion and doesn't consider downstream effects re: air pollution, carbon cost of processing cement. The projected co-benefit of producing energy and destroying waste sounds good only at first. It doesn't factor the external costs, impact on climate change and reduction of air quality. We need renewables focus; e.g., using solar for electric systems as is being done in Europe for steel manufacturing. • Don't use cement kilns for plastics and other municipal solid waste that should be designed out, used as a commodity. • Phase out incineration of all materials including C&D. Work to recover materials instead. • No chemical recycling or other burning that drains in the circular economy that enables poor product design. • Don't burn materials, no thermal treatment offers a long-term solution.	Where a feasible alternative exists, Metro Vancouver aims to manage materials according to the highest applicable level of the waste hierarchy (e.g. recycling before recovery). Recovering energy and resources from non-recyclable materials is preferable to disposal according to Metro Vancouver's waste hierarchy, which is consistent with the provincial and federal hierarchies.

Appendix Q

Options Analysis Process and Criteria

Solid Waste Management Plan Update

Options Analysis Phase
Process and Criteria

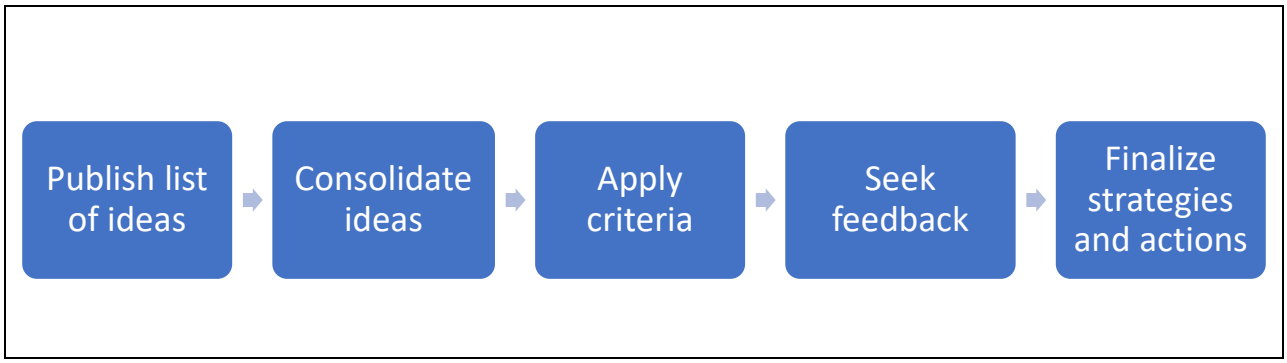
The Options Analysis phase involves assessing consolidated ideas against a set of criteria for the purpose of generating a draft list of strategy and action options for an updated plan.

During the Visions and Guiding Principles and Idea Generation phases for an updated solid waste management plan, Metro Vancouver received almost 3,000 pieces of feedback, which included more than 2,000 ideas. Many ideas were the same or similar, so individual input was consolidated to about 200 unique options. These have been further organized into strategies and actions.

To further refine the options, an “Options Analysis Criteria" and rubric were developed to allow for assessment of the options. In developing the criteria, the following elements were considered:

- Vision and Guiding Principles
- Goals and Hierarchy
- 2022-2026 Metro Vancouver Board Strategic Plan
- A Guide to Solid Waste Management Planning, Government of BC September 2016
- Options analysis process and criteria used in other leading jurisdictions
- Input from Stantec, Metro Vancouver’s consulting team for the solid waste management plan update
- Input from committees:
    - The Regional Engineers Advisory Committee, Solid Waste Subcommittee with representation from municipal solid waste management staff
    - The Solid Waste Management Plan Public/Technical Advisory Committee
    - The Industry Advisory Committee

Summary of Options Analysis Process



Stantec consulting team used the Options Analysis Criteria to assess each option against the 17 defined criteria (rubric) as shown below.

Options Analysis Criteria

General	
• Practicality of implementation • Accountability • Transparency	• Consistency/harmonization • Collaboration • Resilience

Economic	Environment	Social
• Affordability • Economic prosperity • Innovation	• Circularity • Waste reduction • Greenhouse gas emissions reduction • Environmental stewardship	• Inclusion • Convenience • Community participation • Supports waste prevention habits and actions

The detailed definitions of each criteria are outlined below.

Economic Criteria

- **Affordability** – potential to reduce costs incurred by residents or sector(s) targeted by the action
    - High – expected to result in a cost reduction
    - Medium – expected to result in no change in cost
    - Low – expected to result in a cost increase

- **Economic prosperity** – potential to support Metro 2050 goals of creating jobs and increasing regional GDP
    - High – expected to increase jobs and prosperity
    - Medium – expected to maintain jobs and prosperity
    - Low – expected to decrease jobs and prosperity

  Reference: Metro 2050 Goal 2: Support a Sustainable Economy | Metro Vancouver

- **Innovation** – potential to introduce a new or updated approach in Metro Vancouver that could unlock/accelerate ability to meet goals
    - High
        - Expected to significantly improve potential to meet goals (e.g. transition to reusable systems, create new or more circular business model, or use technology such as AI to reduce contamination)

          and/or

        - Potential to stimulate a competitive market where industry is motivated to develop circular solutions to waste management problems

    - Medium
        - Expected to improve processes or services resulting in incremental progress toward goals (e.g. adding additional EPR materials to recycling and waste centres)

          and/or

        - Potential to improve existing waste management practices and policies (e.g. supporting business to transition away from compostable plastic cutlery which is banned in BC)
    - Low
        - Expected to remain status quo

Draft Environment Criteria Defined

- **Circularity** – level of hierarchy that the option applies to (higher levels of the hierarchy are associated with higher waste and embodied carbon waste reduction potential)
    - High – Rethink/Reduce/Reuse
    - Medium – Recycle
    - Low – Recover/Dispose

- **Waste reduction** – potential to reduce material currently going to disposal.
    - High – Targets high tonnage material and has potential to a reduce large percentage of remaining waste

High Tonnage Material by Sector based on 2023 Waste Composition

SF (140k tonnes)	**MF (250k tonnes)**	**CI (400k tonnes)**	**Small load (120 k tonnes)**	C&D **(370 k tonnes)**
-Organics (24%) - food waste, small yard waste **-Plastic (20%**) - flexible plastic, clothing/household textiles, durable plastic products **-Paper (16%**) - office paper/envelopes, coffee cups	**-Organics (28%) - food waste** **-Plastic (20%**) - flexible plastic, clothing/household textiles, durable plastic products **-Paper (16%)** - office paper/envelopes, junk mail, coffee cups, box material (cereal box)	**- Non-compostable organics (21%)** - pressure treated wood, finished wood/furniture -**Compostable organics (20%) -food waste** **-Plastics (17%)** - durable plastic products **-Paper (15%)** - cardboard, waxed cardboard, coffee cups, box material (cereal box)	**-Non-compostable organics (21%),** pressure treated wood, finished wood/furniture **- Organics (19%) -** yard waste, wood furniture, other wood, food waste **-Building Material (16%) -** carpet, underlay, masonry **Plastic (15%)** -film plastics, durable plastic products, clothing/household textiles, foam	**-Wood (48%)** painted/treated dimensional lumber wood, clean dimensional lumber, plywood, particle board etc.) **-Plastics (10%)** - PVC siding and pipes, vinyl flooring, plastic wrap, foam)

- Medium – targets medium tonnage material and has potential to reduce a large percentage of the remaining waste

Medium Tonnage Material by Sector based on 2023 Waste Composition

SF (140k tonnes)	MF (250k tonnes)	CI (400k tonnes)	Small load (120 k tonnes)	C&D (370 k tonnes)
-Household Hygiene (14%) **-Non-compostable organics (9%)** - clothing/household textiles **-Metals (4%)**	**-Household Hygiene (9%)** **-Non-compostable organics (9%)** - clothing/household textiles **-Metals (6%)**	**-Building Materials (8%)** - carpet, masonry, drywall **-Metals (5%)** **-Bulky objects (4%)**	**-Bulky Objects (6%)** **-Metal (5%)** **-Paper (6%)**	**-Asphalt (6%)** - shingles and tar/gravel roofing **-Misc Building Material (6%)** (carpet underlay flooring) **-Rubble/Soil (6%)**

- Low – targets other materials that are low tonnage in the waste stream (i.e. not included in the tables above)

- **Greenhouse gas emissions reduction** – potential to reduce greenhouse gas emissions (mitigation) to achieve Climate 2050 targets (scope 1 and 2)
  - High – expected to reduce large amount of organics to landfill (prevents methane emissions).
  - Medium – expected to reduce anthropogenic emissions (e.g. targets plastics or replaces coal); has potential to reduce process emission and transport emissions; if energy recovery, overall net GHG reductions when compared to burning of fossil fuels; or status quo
  - Low – increase emissions (e.g. Increases hauling distances or switches from electric to regular gas)

- **Environmental stewardship** – potential to result in environmental benefits beyond waste and GHG emissions reductions
  - High – likely to result in demonstrable improvements in environmental performance (e.g. conserves water, addresses invasive species, reduces oceans plastics, removed harmful chemicals in products, reduces littering or illegal dumping of materials in natural environments)

- Medium – any emissions to the environment are expected to be within current regulatory limits
- Low – potential to degrade environment (e.g. odour causing, light pollution)

Social Criteria

- **Inclusivity** – Potential to remove systemic barriers that may cause or aggravate disparities experienced by different groups and/or give more people access to the service or program
    - High – demonstrable improvements to removing systemic barrier and/or increases access to service for a group experiencing barriers are expected (e.g. assisted set out of containers, bins designed for accessibility, access to affordable food)
    - Medium – no changes expected to barriers or access
    - Low – expected increased barriers and/or gives less people access to service/program

- **Convenience** – potential to make it easier to participate in solid waste management services and programs
    - High – demonstrable improvements in convenience are expected (e.g. provide more services at recycling and waste centers, increase number of repair and reuse events)
    - Medium – no changes in convenience expected
    - Low – likely to decrease convenience

- **Community participation** – potential to connect people through services and programs delivered
    - High – demonstrable improvements to community building, social connection and peer-to-peer learning are expected
    - Medium – no changes expected to community building, social connection and peer-to-peer learning
      Low – likely to decrease community building, social connection or peer-to-peer learning

- **Supports waste prevention habits and actions** – potential to change current behaviour to support goals.
    - High – demonstrable ability to shift behaviour to meet goals is expected
    - Medium – no anticipated long-term changes in behaviour
    - Low – could result in behaviours that prevent or decrease progress toward goals

General Criteria

- **Practicality of Implementation** – potential speed/ease of implementation in the region based on current resources, expected stakeholder buy-in, current available technologies and regulatory authority
    - High – expected to be relatively easy to implement in the next 5 years
    - Medium – expected to require moderate changes to existing system and could be implemented in the next 5-10 years
    - Low – expected to require significant changes to existing system and/or expected to require over 10 years to implement

- **Accountability** –ability to hold actors responsible for the action option to achieve goals
    - High – expected demonstrable improvements to accountability
    - Medium – no changes to accountability are expected
    - Low – expected to decrease accountability

- **Transparency** – potential to provide more information about what happens to materials and/or aspects of the solid waste management system in the region
    - High – demonstrable improvements to transparency are expected
    - Medium – no changes to transparency are expected
    - Low – expected to decrease transparency

- **Consistency/harmonization** – potential to increase similarity of services and policies in the region to reduce confusion for residents and businesses
    - High – demonstrable improvements to consistency/harmonization are expected
    - Medium – no changes to consistency/harmonization are expected
    - Low – expected to decrease consistency/harmonization

- **Collaboration** – potential to work with and develop partnerships with external organizations or Metro Vancouver departments
    - High – likely to increase collaboration and the number of partnerships with external organizations or other Metro Vancouver departments
    - Medium – no changes to collaboration are expected
    - Low - likely to decrease collaboration/reduce the number of partnerships with external organizations or other Metro Vancouver departments

- **Resilience** – potential ability to absorb shocks (e.g. infrastructure disruption, natural disasters, pandemic) and stresses (e.g. aging infrastructure and increased demand for services) to the system.
    - High
        - expected to increase capacity of and diversity of waste management infrastructure, services and markets in a way that will support the plan goals and increased population in the long term

and/or

- significantly increases (potential of connecting most of the infrastructure) connectedness of resources and infrastructure so that excess demand can flow to other connected option (eg. food recovery network)

- Medium
  - incremental improvement on existing infrastructure to support a growing population is expected
  - expected to provide only temporary or a short-term solution to issues that are unlikely to serve growing population
  - expected to result in no change

- Low
  - Likely to decrease resiliency

Appendix R

Assessment of Strategies and Actions

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Rethink – Assessment Strategies and Actions
Reduce – Assessment Strategies and Actions
Reuse – Assessment Strategies and Actions
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Assessment of Rethink Strategies and Actions

1.0 Rethink			1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17	
Strategy	**ID No.**	**Action Option**	Affordability	Assumptions	Economic Prosperity	Assumptions	Innovation	Assumptions	Circularity	Assumptions	Waste Reduction	Assumptions	GHG Emissions Reduction	Assumptions	Environmental Stewardship	Assumptions	Inclusivity	Assumptions	Convenience	Assumptions	Community Participation	Assumptions	Supports Waste Prevention Habits and Actions	Assumptions	Practicality of Implementation	Assumptions	Accountability	Assumptions	Transparency	Assumptions	Consistency / Harmonization	Assumptions	Collaboration	Assumptions	Resilience	Assumptions
1.1 Advocate for circular economy policies	0004	Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.	High	Opportunity for CE regulations to improve affordability for consumers (e.g., ability/right to repair)	High	Generally CE is expected to increase jobs with a focus on higher levels of the hierarchy (e.g., repair).	High	Such an option would be very new for the region and progressive in all regards.	High	CE regulations	High	CE generally creates a focus on the higher levels of the hierarchy.	High	Assumed to have some focus on organics.	High	Demonstrable improvements in environmental performance when moving from linear model to a circular model.	Med	Approaches assumed to not significantly change barriers or access experienced by different groups.	High	Improves convenience of circular approaches when regulated and they become more common and standardized.	High	Connects people through services and programs delivered and likely to demonstrable improvements to community building, social connection and peer-to-peer learning	High	Likely to demonstrable ability through regulation to shift behavior to become more circular	Low	Significant changes to current models would require significant changes and/or require over 10 years to implement	High	Likely to demonstrable improvements to accountability through regulations	High	Assumes that regulatory approaches would involve reporting requirements to show results.	High	Regulations should increase consistency/harmonization across the region.	High	Direct collaboration with other municipalities and regions.	High	Circular design will increase resiliency
1.1 Advocate for circular economy policies	0003	Advocate for regulatory approaches that prevent waste through implementation of low carbon, circular design and business models.	Med	No significant cost to specific sectors assumed, but it would depend on approaches and focus.	High	Waste prevention approaches and circular solutions generally increases jobs and/or GDP, especially when regulatory approaches forces multiple sectors to change.	High	Enabling transition to reusable systems and supporting new circular business models.	High	Forces producers to Rethink/Reduce/Reuse and recycle better	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste tonnage by targeting CI and C&D materials	Med	Depends on specific approaches and focus. Likely to have Medium impact by reducing anthropogenic emissions eg. targets plastics, has potential to reduce process emission and reduces individual transport emissions by allowing shorter travel distances (local use of materials rather than disposal)	High	Demonstrable improvements in environmental performance when moving from linear model to a circular model.	Med	Approaches assumed to not significantly change barriers or access experienced by different groups.	High	Improves convenience of circular approaches when regulated and they become more common and standardized.	High	Connects people through services and programs delivered and likely to demonstrable improvements to community building, social connection and peer-to-peer learning	High	Likely to demonstrable ability to shift behavior to become more circular	Med	Metro Vancouver likely to only advocate , not regulate directly. Implementation depends on provincial/federal policy and industry uptake, likely 5-10+ years.	High	Likely to demonstrable improvements to accountability as the materials are regulated to becoming more circular	High	Assumes that regulatory approaches would involve reporting requirements to show results.	High	Creates standardized requirements across jurisdictions, reducing confusion and increasing efficiency.	Med	Advocacy may support collaboration indirectly, but the action itself doesn't guarantee new partnerships.	High	Shifts economy toward diversified, circular systems less vulnerable to supply chain shocks or recycling market volatility.
1.1 Advocate for circular economy policies	0090	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular food systems.	High	If this results in implementing circular food systems then food recovery can become more affordable and will reach more people.	High	Assuming as the recovery network scales up, this can result in increased jobs in the food recovery network.	Med	Will lead to incremental progress by increasing the scale of the food network. Not likely to be a game changer.	High	Increases reduce and reuse through food recovery.	High	This action targets high tonnage material (organics from food waste in CI waste).	High	Reducing food waste will reduce GHG emissions associated with reducing organics entering the landfill	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	No expected impact on inclusivity.	Med	No major changes to convenience for the food sector	Med	No expected changes for community building from advocating.	High	Can help with shifting behaviour to meet goals of waste reduction and reuse.	High	This could be implemented in the next 0-5 years	High	Depending on the regulatory component and what results from advocating, this could result in increased accountability.	High	Depending on the reporting component and what results from advocating, this could result in increased transparency.	High	If new regulatory approaches are implemented this could result in increased consistency across the region.	Med	Advocacy may support collaboration indirectly with senior governments, but the action itself doesn't guarantee new partnerships.	High	Increases connectedness of resources
1.1 Advocate for circular economy policies	0005	Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.	Med	Reporting requirements may increase compliance costs for developers, but long-term savings possible through material efficiency and reduced disposal costs.	High	Waste prevention approaches and circular solutions generally increases jobs and/or GDP, especially when regulatory approaches forces multiple sectors to change.	High	Potential/game changer to transition to reusable construction systems and stimulate a competitive market where industry is motivated to develop circular solutions to waste management problems.	High	Forces builders and construction companies to integrate Rethink/Reduce/Reuse and recycling into the design of a building.	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste tonnage which is likely to reduce wood waste.	High	Likely to be high if design for disassembly is targeting wood waste	High	Demonstrable improvements in environmental performance when moving from linear model to a circular model with design for disassembly	Med	Approaches assumed to not significantly change barriers or access experienced by different groups.	Low	Developers may face added reporting and compliance steps; residents benefit indirectly through greener buildings.	Med	Less direct community involvement, but could support local reuse/deconstruction organizations and community-level employment.	High	Could change current behaviour in the contruction sector to prevent waste and regard buildings as material banks	Med	As an advocacy action, Metro Vancouver has limited direct authority. Provincial/federal uptake could take 5-10 years, though reporting systems could be phased in earlier.	High	Likely to demonstrable improvements to accountability.	High	Reporting programs provide data on materials used, recovered, and recycled, increasing system-wide transparency.	High	National/provincial frameworks would harmonize construction practices and reduce regional inconsistencies.	Med	Advocacy may support collaboration indirectly, but the action itself doesn't guarantee new partnerships.	High	Circular built environment solutions make material supply chains more resilient and reduce reliance on virgin imports, while extending infrastructure life cycles.
1.1 Advocate for circular economy policies	0001	Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.	Med	Likely increases costs in the short term for manufacturers, importers, and consumers (as alternatives may be more expensive). Costs could decline long-term if circular solutions scale.	Med	Assuming that material prohibition maintains jobs and/or GDP. Not likely to significantly increase or decrease.	High	Enabling transition to reusable systems and supporting new circular business models by prohibiting non-recyclable materials.	High	Forces producers to Rethink/Reduce/Reuse and recycle better	High	Could reduce significant tonnage of plastics, textiles, and other non-recyclables identified in waste composition studies.	Med	Reduces anthropogenic emissions eg. targets plastics	High	Demonstrable improvements in environmental performance when products are designed for the environment	Med	Could improve equity if affordable alternatives are supported; risk of burdening lower-income households if costs rise.	Med	Improves convenience of reuse/recycling if non-recyclable materials are avoided. May reduce availability of some products residents are used to. Requires education and alternatives.	Med	No changes to community building, social connection and peer-to-peer learning	High	Likely to demonstrable ability to shift behavior to meet goals	Med	Would require moderate changes and could be implemented in the next 5-10 years (regulatory changes needed)	High	Likely to demonstrable improvements to accountability as the producers have to find better alternatives	High	Easier to communicate "these products are no longer allowed." Material prohibition should improve reporting.	High	Improves consistency/harmonization once problem materials are prohibited. National/provincial regulations would provide clarity and consistency across jurisdictions.	Med	Advocacy may support collaboration indirectly, but the action itself doesn't guarantee new partnerships.	High	Reducing the need to handle non-recyclable material in the local waste management system has the ability to increase resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0016	Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.	High	Opportunity to reduce costs with increased food recovery and gleaning	High	Job creation opportunity with increased food recovery and gleaning.	High	Relatively new for the region and expansion is needed.	High	Higher levels of hierarchy	High	Targets food (organics)	High	Targets organic materials	High	Has potential to reduce water use if food recovery, reuse, and gleaning is increased	High	Increases access to discounted food through food recovery.	High	Making it easier to be a part of the food recovery network/system	High	Enhances community building and peer-to-peer learning	High	Could change behaviour on advising food and more effective food recovery.	High	Could implement in next 5 years	High	Improved tracking and monitoring of food moving through the system	High	Increased transparency of how food is being used and where it is ending up.	High	Food gleaning has potential to increase efficiency for farmers	High	Encourages collaboration with food producers.	High	More efficient use of food locally increases resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0014	Work collaboratively with economic development agencies to implement circular business solutions that support waste prevention innovation and support a prosperous region.	High	Circular business solutions should increase efficiency and ultimately reduce costs in the long run	High	Creates jobs and potential to support invest Vancouver and Metro 2050 goals	High	New initiatives for the region and increasing innovation for businesses	High	Focused on higher levels of the hierarchy	High	Assuming a focus on higher tonnage items such as organics and plastics	High	Depends on specific focus. Likely to have high impact by targeting cross sector solutions to avoid landfilling organics.	High	Demonstrable improvements in environmental performance when moving from linear model to a circular model.	Med	Unlikely to have significant impacts on barriers or access	High	Working with agencies to implement circular solutions should make it easier for implementation across businesses	High	Enhances community building and peer-to-peer learning	High	Likely to demonstrable ability to shift behavior to become more circular	Med	Circular business solutions will take time to standardize across different industries and will require significant resourcing / education	High	Likely need for increased tracking and monitoring of solutions and data to be used as "success stories" to help with implementation across businesses	High	Circular initiatives would increase overall system transparency	High	Opportunity to increase business efficiency and reduce confusion for residents	High	Builds partnerships with economic development agencies.	High	Creation of local jobs and decreased waste increases system resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0079	Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.	High	Has potential to increase overall affordability for the system if children are better educated on the waste management system and where to find efficiencies. Opportunity to increase circularity awareness and participation which can decrease overall system costs	Med	Unlikely to have a significant impact on job creation in the school system. Would rely on experts and modifications to curriculum	High	Would be an innovative approach for the region and encourages circularity thinking from a younger age	High	Programming would focus on the higher levels fo the hierarchy (circualr economy approaches)	High	Could include programming focused on higher tonnage materials such as organics	High	Assumption there would be programming aimed at reducing food waste that will reduce GHG emissions associated organics entering the landfill	High	Has the potential to be significant if programming focuses on environmental benefits beyond waste and GHG emissions reductions such as circular business models.	High	Arguably can reduce systemic barriers by bringing programming to the schools	High	Makes it easier for children to participate in, and learn about, circualr economy since the education is coming to them	High	Bringing programming to schools directly increases community participation and peer-to-peer learning	High	Has significant ability to change behaviours through school programming	Med	Might take a few years to organize curriculum and develop relationships with school districts, but initial stages could be started in the near future	High	Education system and its members would be encouraged to increase accountability regarding education around waste and circular economy	High	Should provide more insight in to the lifecycle of products for residents and children. A more clear understanding of the waste management system	High	Working with school districts across the region would help to increase education and understanding	High	Would require building partnerships with schools and education providers.	High	Incorporating CE into the education system has the potential to increase resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0015	Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incineration of used building materials for new construction.	Med	DfD likely to increase costs up front, but incorporation of used materials can decrease costs.	High	Likely to increase jobs due to more materials being managed and exchanged.	High	DfD very innovative and new for the region.	High		High	Targets C&D waste and would reduce the use of non-reusable or non-recyclable materials through DfD.	Med		High	DfD often requires use of higher quality and natural products. Will reduce the use of potentially harmful materials such as glues.	Med	No change to barriers or access	High	Incentives may make it easier to participate in DfDa, buildings as material banks, etc.	High	Enhances community building and peer-to-peer learning	High	Mould shift behaviour change to use better products that can be reused	Med	DfD takes time to implement and industry will need time to adjust. Likely resource intensive at the beginning, incorporating reused materials may need need some regulatory changes	High	Will likely need increased tracking of materials and end destinations (reuse and incorporation into new builds)	High	Provides increased tracking and use of C&D materials throughout the industry.	High	Potential to define which materials are better to use fo DfD and design procedures for using reused materials in new builds.	Med	Advocacy may support collaboration indirectly, but the action itself doesn't guarantee new partnerships.	High	DfD and building banks contributes to resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0011	Explore collaborations with textiles and plastics in construction materials to encourage circularity. Supporting their transition can generate local jobs, strengthen supply chains, and boost regional GDP through new circular business models.	High	Relatively low implementation costs for Metro Vancouver, as chambers and industry groups already have networks and infrastructure for outreach. Potential cost savings for SMEs as they adopt more efficient, circular business models.	High	SMEs make up a large share of the region's economy. Supporting their transition can generate local jobs, strengthen supply chains, and boost regional GDP through new circular business models.	High	Collaboration encourages uptake of innovative practices (reuse systems, product-service models, resource sharing, repair services) and can accelerate scaling across industries.	High	helps businesses to Rethink/Reduce/Reuse and recycle better using circular solutions.	High	Likely to target materials like food, textiles and plastics in CI waste. Tonnage reduction will vary by sector, but widespread SME adoption could have significant cumulative impact and the CI sector is large.	Med	Reduces some organics from landfilling, as well as anthropogenic emissions eg. targets plastics. Medium impact assumed.	High	Guidance could reduce pollutants, promote eco-friendly practices, and strengthen local stewardship.	Med	No changes to barriers or access from the provision of educational resources	Med	No changes in convenience from the provision of educational resources	High	Chambers of commerce and business networks can foster peer-to-peer learning and collaboration across industries.	High	Embedding prevention principles into business operations supports long-term cultural and structural shifts.	High	MV already collaborates with stakeholders; chambers and trade associations offer ready-made channels. Could be implemented in 0–5 years.	Med	No changes to accountability.	Med	No changes to transparency. Action would not improve reporting.	High	Regional collaboration helps create consistency in economy messaging and standards across industries.	High	Primary focus is to build new partnerships with external organizations.	High	Shift to a circular economy increases resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0012	Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.	High	Assumes that businesses are able to access input materials (food, textiles and plastics) through material exchange networks, which can help to reduce product costs.	High	Potential to support Invest Vancouver and Metro 2050 goals of creating local jobs from local material exhanche networks with increased regional GDP	High	Supporting and streamlining local material networks can help participants of the networks to innovate and find circular solutions.	High	helps businesses to Rethink/Reduce/Reuse and recycle better using circular solutions.	High	Likely to target materials like food, textiles and plastics in CI waste.	Med	Reduces some organics from landfilling, as well as anthropogenic emissions eg. targets plastics. Medium impact assumed as only limited business participation would have significant GHG emission reductions from avoided disposal.	Med	Within regulatory limits.	Med	No changes to barriers or access experienced by different groups/people	High	Demonstrates improvements to convenience by enabling access to material exchange networks between participating organizations.	High	Networks will support community building, social connection and peer-to-peer learning	High	Demonstrable ability to shift behavior to meet goals.	High	Relatively easy to implement in the next 0-5 years	Med	no changes to accountability	High	Could incorporate a tracking element to show the material flow	Med	No significant changes to consistency/harmonization beside consolidation of networks.	High	Facilitates collaboration across sectors and stakeholders	High	Improves relationships and networks for circular economy which increases resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0045	Advocate that provincial and federal governments develop an incentive program to increase the use of used building materials in new projects.	High	Potential to reduce costs for the construction and demolition sector and ultimately the residential sector	High	Increased material reuse and circular solutions generally increases jobs and/or GDP.	High	Potential/game changer to transition to increased use of used building materials	High	Can help construction and demolition companies to integrate reuse into their practices.	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste tonnage, e.g., wood waste, asphalt, rubble, by redirecting them to other industries as raw materials.	High	Likely to be high if can target wood waste	Med	May reduce demand for virgin resource extraction (timber, minerals) and diverts pollutants from landfills.	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Makes it easier for C&D sector to participate in material reuse	Med	No changes to community building, social connection and peer-to-peer learning	Med	Not likely to demonstrable ability to shift behavior since this initiative is likely to focus on what to do with waste products and less about how to prevent waste from being generated	Med	Grants from municipalities can be implemented quite easily, but tax breaks would require Provincial action.	High	Likely to have the ability to hold actors more responsible as part of the incentive program when some type of reporting will be needed.	High	An incentive program would require reporting.	High	Taxes can be applied consistently and drive harmonization	Med	Advocacy may support collaboration indirectly, but the action itself doesn't guarantee new partnerships.	High	Increase in used building materials increases resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0074	Work with trade schools, industry associations, practitioners, and senior government to identify and implement solutions to fill skills training gaps required to scale a circular food system.	High	Collaboration can ensure that training on food recovery can become more affordable and reaches more people.	High	Assuming as the recovery network scales up, this can result in increased jobs in the food recovery network.	Med	Will lead to incremental progress by increasing the scale of the food network. Not likely to be a game changer.	High	Increases reduce and reuse through food recovery.	High	This action targets high tonnage material (organics from food waste in CI waste).	High	Reducing food waste will reduce GHG emissions associated with reducing organics entering the landfill	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	High	Assuming that collaboration with senior government and institutions can help to offer training to people who are typically marginalized without means to access training.	Med	No major changes to convenience for the food sector	High	This action would support community building, social connection and peer-to-peer learing.	High	Can help with shifting behaviour to meet goals of waste reduction and reuse.	High	This could be implemented in the next 0-5 years	Med	No accountability component.	Med	No changes to transparency	Med	No changes to consistency/harmonization.	Med	Builds partnerships across education, industry, and government sectors.	High	Increases connectedness of resources
1.2 Support the transition to a more circular regional economy through waste prevention	0031	Host events with different sectors to understand the current and potential future abilities to provide circular products and services	Med	Hosting events will not have any direct impact on affordability. It is difficult to know what the results might be of these events.	Med	No big impact on jobs - could have indirect impact on jobs down the road but this is difficult to predict.	High	Could stimulate industy and motivate them to develop circular solutions	High	Hosting events related to circular economy falls under rethink/reduce/reuse.	High	Assuming discussions are around high impact material streams (organics, construction, plastics) this could have a high impact on wate reduction	High	Assuming discussions are around high impact material streams (organics, construction, plastics) this could have a high impact on GHG emissions	Med	It is difficult to predict outcome for environmental stewardship from hosting events to discuss potential future abilities.	Med	No changes on inclusivity and reducing barriers.	High	Brings the sectors and industry together to promote community building and peer-to-peer learning.	High	Has the ability to shift behaviour to meet goals by hosting these conversations.	High	It is easy to implement in the next 0-5 years, however this does not consider learnings from the events and implementation of those.	Med	There would be no changes to accountability as these events would be voluntary.	Med	No direct impact on tracking materials or material streams	Med	No impact on consistency or harmonization as there is no regulatory component to hosting events.	Med	Facilitates cross-sector collaboration and knowledge exchange.	Med	Incremental improvement
1.2 Support the transition to a more circular regional economy through waste prevention	0042	Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low-carbon economy.	Med	Identifying and filling skills training gaps wont have a direct impact on affordability.	High	This will directly impact number of jobs.	High	Could result in new jobs that suppor the circular economy and develop industry and circular business models	High	Can support circularity through identying and filling skills to support the circular built environment.	Med	This doesn't directly target material streams but the skills have potential to cant identify at this point what this might be	Med	This wont directly result in emission reduction.	Med	Environmental stewardship is uncertain until gaps and skills are identified.	High	Assuming that collaboration with senior government and institutions can help to offer training to people who are typically marginalized without means to access training.	High	This could result in improvements to being able to support the solid waste environment through more and better training/skill development.	High	This can help improve community building and building a sense of community and social connection.	High	Regardless of skills identified, this will likely support waste prevention habits and actions.	Med	This would require significant effort and time to set out and coordinate.	Med	No changes to accountability.	Med	No changes to tracking.	High	increasing skills int he industry and training can increase consistency of circular approaches in the how waste built environment sector.	High	Builds collaboration across education, industry, and government sectors.	High	Increased training and filling of gaps increases community resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0088	Develop circular certification programs for business.	Med	Unlikely to have an impact on affordability.	Med	No significant impact on jobs/ GDP	Med	Will help make incremental progress towards goals.	High	Assumption that carrification would highlight and promote waste reduction/prevention (highest levels of the hierarchy).	High	Could include a focus on higher tonnage materials such as organics.	High	Assumption there would be recognition for reducing food waste that will reduce GHG emissions associated organics entering the landfill.	High	Has the potential to be significant if programming focuses on environmental benefits beyond waste and GHG emissions reductions such as circular business models.	Med	No changes to barriers or access-expected, other than for businesses.	Med	No major changes to convenience from the option	High	Businesses with community participation would be celebrated (e.g. successful sharing models)	High	Assumption that businesses would be recognized for waste prevention programs and initiatives.	Med	There are some details to a certification program that would need to be determined and could take a few years to organize (e.g., certification process, who "owns" the program, how to recognize businesses, etc.)	Med	Only minor improvements to accountability for businesses.	High	Helps demonstrate/promote businesses that are focusing on prevention and circular business models.	High	A certification program could provide a consistent approach to recognizing leading businesses and defining circular business solutions. This program could be a regional approach providing ultimate harmonization	Med	May involve engagement, but does not clearly build new partnerships	High	Celebrates solutions that can increase connectedness of resources
1.2 Support the transition to a more circular regional economy through waste prevention	0009	Integrate additional waste prevention policies and programs within Metro Vancouver's operations.	Med	Some upfront investment in policy/program design and staff training, but long-term savings possible through reduced purchasing, disposal costs, and increased efficiency.	Med	Limited direct regional GDP impact, but can stimulate local markets for reuse, repair, and recycled products through Metro's procurement power.	High	Potential to stimulate a competitive market where industry is motivated to develop circular solutions to waste management problems in response to Metro Vancouver's circular economy policy and operations.	High	Rethink/Reduce/Reuse will be the key message of Metro Vancouver and set direction of corporate processes such as procurement and asset management	Med	Since only Metro Vancouver focused it would targets medium tonnage material and has potential to reduce a large percentage of the remaining waste	Med	Depends on specific focus. Likely to have Medium impact by reducing anthropogenic emissions eg. targets plastics, has potential to reduce process emission and reduces individual transport emissions by allowing shorter travel distances (local use of materials)	Med	Will help businesses to reduce waste separate waste materials better. These will still be within current regulatory limits (in compliance with MV's landfill bans).	Med	No changes to barriers or access	Med	No significant changes in convenience from circular economy policy	Med	No changes to community building, social connection and peer-to-peer learning	Med	Demonstrable Metro Vancouver's ability to shift behavior to meet circular economy and waste prevention goals	Med	A circular economy directive is already existing, but a policy and its implementation would require moderate changes and could be implemented in the next 5-10 years	High	Metro Vancouver would hold itself responsible to achieve circular economy goals and demonstrate accountability	High	MV can publish results of its operational waste prevention (e.g., procurement changes, event waste diversion), modeling accountability.	Med	Not likely to result in changes to consistency/harmonization	Med	May involve some interdepartmental collaboration but doesn't necessarily expand external partnerships.	Med	incremental improvement since this is limited to MV (corporate)
1.2 Support the transition to a more circular regional economy through waste prevention	0010	Share regional learnings in rethinking and preventing waste in Metro Vancouver's operation and delivery of solid waste management and planning.	Med	No significant change in cost from this initiative	Med	Likely to maintain jobs and/or GDP from increased CE branding	Med	Potential to motivate businesses to develop circular solutions to waste management problems, however promotion is not likely to result in innovation on its own.	High	Helps scale circular practices indirectly by enabling other jurisdictions and stakeholders to replicate Metro's prevention efforts.	Med	Waste reduction depends on how effectively other actors apply shared knowledge; limited direct impact.	Med	Benefits are indirect and unlikely to have significant impact on GHG emissions.	High	Will help to demonstrable improvements in environmental performance assuming that some case studies will be part of marketing and branding.	Med	Not expected to involve any significant changes to barriers or access	Med	No significant changes in convenience.	Med	No changes to community building, social connection and peer-to-peer learning	Med	Not likely to shift behavior to meet goals	High	Relatively easy to implement in the next 0-5 years	Med	No changes to accountability.	High	Strong potential to increase visibility and understanding of Metro's operations, policies, and progress.	High	Shared learnings help align municipalities and partners, reducing fragmentation.	High	Sharing learnings supports knowledge exchange and collaboration with other jurisdictions or organizations.	Med	Knowledge-sharing strengthens institutional learning and adaptability, through resilience gains are indirect.
1.2 Support the transition to a more circular regional economy through waste prevention	0013	Assess education programs and collaborate with post-secondary institutions and professional development programs across various sectors to enhance circular economy training offered.	High	No change in cost from this initiative.	High	Potential to support Invest Vancouver and Metro 2050 goals by supporting circular jobs and impacting GDP in a positive way indirectly.	High	Improved training opportuntiies help to invest goals (transition to circular business models)	High	helps businesses to Rethink/Reduce/Reuse and recycle better using circular solutions.	High	Likely to target materials like food, textiles and plastics in CI waste, but waste reduction is dependant on how much training is provided and how many businesses trained individuals work with.	Med	Reduces some organics from landfilling, as well as anthropogenic emissions eg. targets plastics. Medium impact assumed as only limited business participation would have no significant GHG emission reductions from avoided disposal.	Med	Within regulatory limits.	Med	No changes to barriers or access experienced by different groups/people from improving training opportunities.	Med	No changes in convenience from the provision of training opportunities.	Med	Training will support community building, social connection and peer-to-peer learning	High	Assumg that training would focus on waste prevention and support behavious change within businesses the trained people work in.	Med	Training prgrams and changes to curriculum will take time to implement and will require collaboration and resourcing.	Med	No changes to accountability.	Med	Not likely to have significant changes to transparency	Med	No changes to consistency/harmonization	Med	Builds partnerships with educational institutions and training providers.	High	Training for the community as a whole whill improve resiliency
1.2 Support the transition to a more circular regional economy through waste prevention	0041	Identify and work with industry event organizers to include circular built environment success stories, communication, and learning sessions that promote waste prevention in their industry communications and learning sessions	Med	Increased communication and learning for reducing waste in the built environment wont have a direct impact on affordability.	Med	Increased communication and learning for reducing waste in the built environment wont have a direct impact on jobs/GDP.	Med	Could result in some incremental progress towards goals by increasing communication and learning sessions for industry	High	Increased communication and learning for reducing waste in the built environment supports rethink/reduce/reuse - promotes circular economy	Med	This wouldn't directly result in waste reduction but could inform and inspire industry actors to reduce waste and would target CRD materials	Med	This wont directly result in emission reduction but could inspire industry actors to reduce their emissions, likely anthropogenic emissions.	Med	These conversations will not have a direct impact on environmental stewardship and the outcomes are difficult to predict.	Med	No changes on inclusivity and reducing barriers	High	This would make it easier for actors in the C&D sector to learn about the circular built environment	High	This can help stimulate conversations and bring the community together and develop social connection	High	This would help shift behaviour of actors in the industry by having these conversations together	High	This could be implemented in the next 0-5 years.	Med	No changes to accountability as this would be voluntary and just be conversations together	Med	No changes to tracking from conversations.	Med	No changes to consistency/harmonization directly, but could result in indirect harmonization by getting actors together in a room	High	Builds partnerships with industry event organizers and promotes shared learning.	High	Sharing of success stories can increase resiliency in the community

Assessment of Rethink Strategies and Actions

1.0 Rethink			1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17	
Strategy	**ID No.**	**Action Option**	Affordability	Assumptions	Economic Prosperity	Assumptions	Innovation	Assumptions	Circularity	Assumptions	Waste Reduction	Assumptions	GHG Emissions Reduction	Assumptions	Environmental Stewardship	Assumptions	Inclusivity	Assumptions	Convenience	Assumptions	Community Participation	Assumptions	Supports Waste Prevention Habits and Actions	Assumptions	Practicality of Implementation	Assumptions	Accountability	Assumptions	Transparency	Assumptions	Consistency / Harmonization	Assumptions	Collaboration	Assumptions	Resilience	Assumptions
1.3 Build on and foster an inclusive and collaborative circular economy	ID021	Work on collaborative research projects to further advance waste reduction and circular economy, and share the findings broadly.	High	Opportunity to reduce costs through research projects that can eventually be implemented community-wide	High	Could create a need for project specific jobs as well as future circular economy implementation experts	High	New for the region or a significant expansion of current smaller projects at a minimum	High	Could consider options from top levels of hierarchy	High	Could focus on high tonnage materials for certain sectors	High	Potential to target organics with certain sectors	High	Certain sectors could demonstrate through environmental performance through reduction of harmful materials	Med	No change to barriers or access	High	Makes it easier for certain sectors to participate and improve waste reduction	High	Enhances community engagement through research projects and future implementation efforts across the community	High	Has potential to change behaviours through demonstration of research and sharing of successful projects	Med	Research can be completed in short term but sharing of ideas and implementation into community will take longer	High	Through increased research and waste reduction projects being implemented, accountability has the potential to increase across the community	High	Research increases transparency especially when sharing of project details (successes and failures)	High	Through more research and project implementation, consistency across the region should increase with sharing of successes, lending itself to future harmonization	High	Directly involves collaboration with research partners.	High	Projects that advance CE help to increase resiliency
1.3 Build on and foster an inclusive and collaborative circular economy	ID017	Collaborate with external groups to identify and implement new circular economy initiatives in the community.	Med	No expected changes in cost to the community	High	New initiatives could create jobs	High	New initiatives is innovative	High	Circular economy initiatives focus on the top levels of the hierarchy	High	Assumption that these would focus on higher tonnage materials such as organics and plastic	Med	Has potential to reduce anthropogenic emissions - circular economy reduces GHGs	High	Has potential to reduce use of harmful substances and decrease water use, dependent on initiative	Med	No change to barriers or access	High	Identification of new initiatives mean more people in the community can participate	High	Enhances community building and peer-to-peer learning	High	Could shift behaviour to more circular actions in the community	High	Could implement in short term	High	Would increase tracking and performance monitoring of initiatives in the community	High	Circular initiatives would increase overall system transparency	High	Focused on building new external partnerships.	High	New CE models can increase resiliency
1.3 Build on and foster an inclusive and collaborative circular economy	ID098	Develop collaborative programs that integrate indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects.	High	Practices such as community composting can be more cost efficient for managing organic material.	Med	Unlikely to direct correlate to increased jobs or GDP.	High	Significant game changer for the circular models and transitioning programs to be more local and sustainable.	High	Although some of the programs are focused on composting, there is an opportunity to develop local circular systems.	High	This targets organics, but it would likely target a small percent of all organics in the region.	High	Targets organics.	High	Demonstrable improvements to the system by introducing circular systems with a local sustainable focus.	High	Involvement and knowledge transfer from indigenous cultures.	High	Local systems can provide more convenient options.	High	Huge opportunity to connect people and cultures through peer-to-peer learning and social connection.	High	This action would help with the shift of behaviour to meet goals.	High	This can be implemented in the next 0-5 years.	Med	No accountability component.	Med	No changes to transparency expected	High	Harmonization of local, sustainable practices and systems.	High	Explicitly involves collaboration with indigenous communities and sustainability organizations to co-develop culturally relevant programs.	High	Significant progress towards resiliency with increased focus on local and sustainable practices and systems.
1.3 Build on and foster an inclusive and collaborative circular economy	ID023	Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.	Med	No change in cost from this initiative since it is a "continue" action and likely won't increase or decrease costs for industry in the near future.	High	Development of tools could increase/create jobs	Med	Developing tools for industry is innovative	High	Tools can focus on top levels of hierarchy	High	Focuses on textiles which is a higher tonnage item	Med	Has potential to reduce anthropogenic emissions - circular economy reduces GHGs	High	Has significant potential to reduce water use with certain tools	Med	No change to barriers or access	High	Makes it easier for textile industry to participate and improve waste management	High	Enhances community building and peer-to-peer learning	High	Changes behaviours of textile industry	High	Easy to continue relationships and expand in next 5 years	High	Works to hold accountable textile industry	High	Increases transparency of materials from textile industry	High	Increases consistency across textiles industry	High	Builds and maintains partnerships with external organizations and industry.	Med	Incremental improvement
1.3 Build on and foster an inclusive and collaborative circular economy	ID029	Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.	High	Circular procurement policies and practices have the potential to reduce costs, especially if done collaboratively. Therefore, increasing affordability eventually.	High	Potential to increase jobs through circular procurement policies and practices.	High	New idea fo rthe region that would support circular economy business models.	High	Promoting procurement to buy sustainable good supports rethink/reduce/reuse.	High	Has the potential to focus on high tonnage materials such as organics and plastics.	Med	Likely to reduce some anthropogenic emissions, but not significant GHG emission reduction.	Med	Within regulatory limits.	Med	No changes on inclusivity and reducing barriers.	High	This will make it easier for MV and organizations to find circular solutions.	High	Enhances community building and peer-to-peer learning	High	Supports behaviour change through more sustainable buying power.	High	Would take some organizing and collaboration but a working group should be able to be established within five years.	High	Through a working group and establishing relationships, accountability is likely to increase.	Med	No changes expected.	High	A working group should increase harmonization across the region and organizations through collaborative relationships.	High	Facilitates collaboration among member jurisdictions and stakeholders.	High	Circular procurement has the potential to increase resiliency for the community.
1.3 Build on and foster an inclusive and collaborative circular economy	ID160	Develop, test and share low carbon circular built environment procurement approaches, tools and templates.	High	Circular procurement policies and practices have the potential to reduce costs, especially if done collaboratively. Therefore, increasing affordability eventually.	High	Potential to increase jobs through circular procurement policies and practices.	High	New idea for the region that would support circular economy business models.	High	Promoting procurement to for low carbon build environment is rethink/reduce/reuse.	High	Targets high tonnage material and has potential to help reduce large percentage of C&D waste.	Med	Likely to reduce some anthropogenic emissions, but not significant GHG emission reduction.	Med	Within regulatory limits.	Med	No changes on inclusivity and reducing barriers.	High	This will make it easier for MV and organizations to find circular solutions.	High	This can help stimulate conversations and bring the community together and develop social connection	High	This would help shift behaviour of actors in the industry by having these conversations together	High	Would take some organizing and collaboration but a working group should be able to be established within five years.	High	Through a working group and establishing relationships, accountability is likely to increase.	Med	No changes expected.	High	A working group should increase harmonization across the region and organizations through collaborative relationships.	High	Builds collaboration across jurisdictions and industry to cdevelop and share procurement tools.	High	Circular procurement has the potential to increase resiliency for the community.
1.3 Build on and foster an inclusive and collaborative circular economy	ID022	Collaborate with governments, industry, and technology partners to develop digital tools that map how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials in the reuse.	Med	Requires investment in digital infrastructure, data collection, and training. Costs could be significant initially but offset over time through efficiencies in deconstruction, reuse, and recycling.	High	Development of tools could increase/create jobs	High	A cutting-edge approach (digital "material passports," BIM integration) that can transform the construction and demolition sector, unlocking systemic reuse opportunities.	High	Focuses on reuse of building materials	High	Targets high tonnage materials (wood waste)	Med	Reduces anthropogenic emissions	High	Promotes conservation of natural resources and prevents environmental degradation associated with material production and disposal.	Med	No change to barriers or access	High	This can make it more convenient for the C&D sector to participate in reuse and salvage	Med	No major impact on community participation	Med	No direct impact on behaviour change	Med	This would require significant time and resources to implement and could be impalemented in 5-10 years	High	Has the opportunity for increased accountability due to tracking materials	High	This would increase knowledge of material flow	High	Shared digital standards and platforms would align practices across the region and beyond.	High	Builds multi-sector partnerships for digital innovation and circularity.	High	Material mapping strengthens resilience by securing secondary material supply chains and reducing reliance on virgin imports.
1.3 Build on and foster an inclusive and collaborative circular economy	ID026	Collaborate with regional economic development agencies and others on education for business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy	Med	No changes to affordability. Unsure of results from this action.	High	Waste prevention approaches and circular solutions generally increases jobs and/or GDP, especially when regulatory approaches forces multiple sectors to change.	High	This could significantly support the transition to a circular business model and the transition to reusable systems by supporting those businesses through procurement.	High	Forces producers to Rethink/Reduce/Reuse and recycle better	Med	Assuming a focus on higher tonnage items such as organics and plastics	Med	Has potential to reduce anthropogenic emissions - circular economy reduces GHGs	High	Has potential to reduce use of harmful substances and decrease water use, dependent on initiative	Med	No changes on inclusivity and reducing barriers.	Med	No significant changes to convenience.	High	Brings businesses and industry together.	High	Could shift behaviour to more circular actions for businesses.	High	Ability to start collaborating in next 0-5 years.	Med	No changes to accountability.	Med	No changes to transparency.	Med	No requirements associated with action so no change to consistency.	High	Builds partnerships with agencies and industry stakeholders.	High	Projects that advance CE help to increase resiliency
1.3 Build on and foster an inclusive and collaborative circular economy	ID018	Continue to learn from circular economy and waste prevention leaders.	Med	No change in cost from this initiative since continuing to build on already developed partnerships.	Med	No change to jobs	Med	Incremental progress through implementation of existing best practices	High	Considers learnings from other municipalities at all levels of the hierarchy including Rethink/Reduce/reuse	High	Potential to target high tonnage materials such as organics through lessons learned.	High	Potential to target organics through lessons learned.	Med	Within regulatory limits.	Med	No change to barriers or access	Med	No change	High	Peer-to-peer learning	High	No changes to behaviour expected.	High	Easy to continue	Med	No change	Med	No changes expected	Med	No changes to consistency/harmonization	High	Supports ongoing collaboration and knowledge exchange.	Med	Incremental improvement
1.3 Build on and foster an inclusive and collaborative circular economy	ID027	Investigate how to maximize low-barrier employment opportunities in roles that support a circular economy	Med	Requires investment in workforce development, partnerships with employment agencies, and potentially subsidies or training programs. Costs are moderate but can deliver long-term social and economic returns.	High	Strong potential to create jobs in reuse, repair, recycling, logistics, and remanufacturing — sectors that often rely on hands-on, accessible labor. Supports Metro 2050 goals of a sustainable, inclusive economy.	High	Socially innovative in rethinking how circular economy jobs can also meet workforce equity and accessibility goals.	Med	Would likely focus on all levels of the hierarchy.	Med	Dependent on the sectors supported (e.g., textiles, electronics, C&D). Employment growth in reuse/repair can scale diversion.	Med	indirect — emissions avoided through expanded reuse and recycling activities.	Med	Within regulatory limits.	High	Strong equity impact: low-barrier jobs create opportunities for underemployed populations, including youth, newcomers, and people with barriers to traditional employment.	Med	Not resident-facing, but increased availability of reuse/repair services may improve convenience indirectly.	High	Can strengthen community-based organizations (e.g., non-profits running repair cafés, depots, or textile programs) by providing them with a more stable workforce.	Med	Could increase access to reuse/repair services, helps residents shift behaviors toward waste prevention.	Med	Requires collaboration with employment stability, municipal chambers of commerce, and non-profits. Implementation timeline ~5 years, but investigations and pilot programs could begin sooner.	Med	No changes to accountability.	Med	No changes to transparency.	Med	No requirements associated with the action so no change to consistency.	Med	May involve internal collaboration or consultation, but not necessarily new external partnerships.	High	Builds workforce resilience by creating durable local employment tied to circular industries, reducing vulnerability to global economic shocks.
1.3 Build on and foster an inclusive and collaborative circular economy	ID099	Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.	Med	No change in cost from this initiative since building on existing collaborations.	Med	No change to jobs	Med	Incremental progress through increased innovation	High	Assumption that the focus is on reuse	High	Assumption that these would focus on higher tonnage materials such as plastic	Med	Has potential to reduce anthropogenic emissions	Med	Within regulatory limits.	Med	No change to barriers or access	Med	No change	High	Peer-to-peer learning	Med	No changes to behaviour expected.	High	Easy to continue	Med	No change	Med	No changes expected	Med	No changes to consistency/harmonization	High	Builds on and expands existing partnerships.	Med	Incremental progress as measuring and reporting doesn't significantly increase resiliency for the future populations
1.3 Build on and foster an inclusive and collaborative circular economy	ID019	Continue to facilitate sharing with member municipalities through regularly scheduled advisory committee meetings. Through these committees, host workshops and learning sessions with member jurisdiction staff on priority topics.	Med	No change in cost from this initiative since building on existing collaborations.	Med	No change to jobs	Low	Already occuring (status quo).	High	Opportunity to focus on higher levels of the hierarchy	High	Assumption that these would focus on higher tonnage materials such as plastic and organics	Med	Has potential to reduce anthropogenic emissions	Med	Within regulatory limits.	Med	No change to barriers or access	Med	No change	High	Peer-to-peer learning	Med	No changes to behaviour expected.	High	Should be relatively easy to continue and even further develop relationships and peer-to-peer learning	Med	No change	Med	No changes expected	Med	No changes to consistency/harmonization	High	Strengthens collaboration with member municipalities.	Med	Incremental improvement
1.4 Collect and enhance data to track progress toward a circular economy	ID093	Research and pilot ways to measure success of collaborations.	Med	No expected impact to affordability.	Med	Not expected to have a significant impact on job creation.	High	The collaborative work would significantly improve data and awareness in the region.	High	Focused on improving measurement for the highest levels of the hierarchy.	High	Does have the potential to focus on organics (food waste).	High	Does have the potential to focus on organics (food waste).	High	Opportunity to reduce other environmental impacts such as water use and unnecessary landfilling. Measurement options could go much beyond waste impacts.	Med	No changes to system barriers.	Med	No changes in convenience.	High	Opportunity to connect the community through awareness and measurement of these programs.	High	Specifically focused on waste prevention through a variety of reuse/repair programs.	Med	Although research could be done immediately, it is expected it will take some time to develop measurement options for prevention in a collaborative way.	High	Potential in the future for increased accountability through increased measurement in a collaborative way.	High	Additional measurement options including success through a collaborative approach increases transparency of materials and systems in place.	High	Collaboration with the other organizations on this option would increase harmonization of measurement.	Med	Focuses on evaluation and internal learning, but does not clearly build or expand partnerships.	High	Increase in measurement and understanding program success has the potential to increase community resilience.
1.4 Collect and enhance data to track progress toward a circular economy	ID091	Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.	Med	No impact on affordability.	Med	Unlikely to direct correlate to increased jobs or GDP.	High	Could be significant for the region when it comes to reporting and tracking progress towards goals. Paints a more holistic picture.	High	Focused on measurement/reporting for waste prevention actions.	Med	Not necessarily targeting specific materials, more focused on measurement/reporting.	Med	Not necessarily targeting specific materials or emissions, more focused on measurement/reporting.	High	Considers environmental benefits beyond waste prevention and GHG emissions.	Med	No changes to systemic barriers.	Med	No changes to convenience.	Med	Little change to community building.	High	Could ultimately lead to waste prevention habits and actions based on the data reported (tracking progress).	Med	Would take time to develop circular KPIs and establish consistency across the region	High	Increased measurement and tracking will increase accountability across the region	High	More measurement and tracking will increase transparency, especially around waste prevention.	High	Data can be used to develop regional targets or goals.	Med	May involve consultation, but does not clearly build or expand partnerships.	High	Understanding data and increased tracking could increase knowledge and awareness of waste prevention programming on a community level.
1.4 Collect and enhance data to track progress toward a circular economy	ID092	Continue to develop and improve region wide key performance indicators to track progress on circular economy through rethinking and reducing waste.	Med	No expected change from KPIs	Med	no expected job creation from development of KPIs	Med	Focus would be on continuing to develop and improve regional KPIs with regards to circularity. Therefore, not net new and would likely only contribute incrementally towards goals.	High	KPIs focused on circularity would mostly consider the higher levels of the hierarchy	Med	Has potential to focus on higher tonnage materials and associated programs but not likely to reduce a huge percentage of the waste stream.	Med	Has potential to focus on organics / food waste and associated programs but not likely to reduce a huge percentage of the waste stream.	Med	Development of KPIs is not likely to have significant environmental benefits beyond waste prevention and GHG emissions.	Med	No expected changes - not removing systemic barriers	Med	No expected changes to convenience for the general population	Med	Collaboration between municipalities would be required but limited social connection, community building, or peer-to-peer learning opportunities	Med	Unlikely the development of KPIs would contribute directly to behaviour change in the near future.	Med	Would take time to develop circular KPIs and establish consistency across the region	High	Increased measurement and tracking will increase accountability across the region	High	More measurement and tracking will increase transparency	High	If KPIs are developed using a region approach this would encourage harmonization	High	Will likely require collaboration with industry, member jurisdictions, organizations, etc.	Med	Incremental progress as measuring and reporting doesn't significantly increase resiliency for the future populations.
1.4 Collect and enhance data to track progress toward a circular economy	ID097	Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.	Med	No added cost to residents or sectors; may help reduce costs over time.	Med	Supports market development indirectly.	Med	Improves existing systems; not a new approach.	High	Enables better tracking to support higher hierarchy actions.	Med	Helps identify priorities but doesn't directly reduce waste.	Med	Not necessarily targeting specific materials or emissions, but can support better diversion strategies.	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits.	Med	No expected impact on inclusivity.	Low	This could make it less convenient for industry as reporting requirements might increase and require more effort.	Med	Little change to community building.	High	Can help with shifting behaviour to meet goals of waste reduction and reuse by having greater insight into waste composition.	Med	Requires coordination across jurisdictions. Feasible within 5–10 years.	Med	Improves ability to track performance by material type, increasing accountability for outcomes, but no direct tracking/regulatory component.	High	Makes material flows more visible, supporting public understanding and system oversight.	High	Supports harmonized reporting across jurisdictions and sectors, reducing confusion and improving comparability.	Med	May involve collaboration with data providers and industry groups, but primarily focuses on internal reporting improvements.	Med	Strengthens knowledge of material flows, which supports long-term adaptability but does not directly enhance infrastructure system resilience.
1.4 Collect and enhance data to track progress toward a circular economy	ID095	Explore new technology that could help with data collection.	Low	Exploring and implementing new technology typically increases costs, especially in initial phases	Med	Could maintain existing jobs in waste management sector; potential for new tech jobs, but uncertain scale	High	Directly focused on introducing new approaches that could unlock/accelerate ability to meet goals through better data	Med	Technology exploration itself is at recycle/process improvement level, but could enable higher hierarchy actions	Low	Technology exploration doesn't directly target high tonnage materials; impact depends on future implementation	Med	Could potentially reduce process and transport emissions through efficiency, but this is indirect and uncertain	Med	No direct environmental impact from exploration phase; any implementation would need to stay within regulatory limits	Med	No direct changes to barriers during exploration phase; could potentially improve accessibility through better data systems	Med	No immediate convenience changes; future implementations could improve user experience	Med	Technology exploration is primarily technical/administrative and doesn't connect people	Med	Better data collection could enable more effective behavior change programs, but this is indirect	Med	Exploration phase is moderately easy, but actual technology implementation could require significant system changes (5–10 year timeline)	High	Better data collection technology would significantly improve accountability across the waste management system	High	New technology specifically aimed at data collection would demonstrably improve transparency	High	Standardized technology platforms could significantly improve consistency across the region	Med	May involve collaboration with technology vendors and potentially other jurisdictions, but limited community engagement.	Med	Better data systems could support more resilient decision-making, but this is incremental improvement to existing infrastructure
1.4 Collect and enhance data to track progress toward a circular economy	ID094	Maintain and strengthen waste composition data to improve actionable insights.	Med	No added cost to residents or sectors, but not likely to increase affordability either.	Med	May support market development indirectly by increasing the understanding of waste composition and material flow in the region.	Med	Enhances existing data systems. This is not a novel approach but supports smarter decision-making and targeted interventions.	High	Helps identify opportunities to prioritize higher hierarchy actions such as reuse and reduction.	Med	Does not directly reduce waste.	Med	May support emissions reduction indirectly by providing better insight into material composition, especially for organics and high-impact materials.	Med	Improves understanding of environmental impacts based on waste composition, but no direct impact.	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	No immediate convenience changes.	Med	No changes to community building, social connection and peer-to-peer learning.	Med	Potential to support targeted education and outreach that may support behavior change over time.	High	Builds on existing systems and feasible within current resources and timelines. Possible within 0-5 years	Med	No changes to accountability. This will not hold actors more accountable than existing system.	High	Will provide better information about the solid waste management system in the region, supporting public understanding.	Med	Potential to support standardized data collection across jurisdictions, but not directly part of action.	Med	May involve collaboration with data providers or consultants, but the action itself focuses on internal data management.	Med	No impact on ability to handle future threats and sudden changes to the system.
1.4 Collect and enhance data to track progress toward a circular economy	ID096	Look at ways to include diversity, equity and inclusion data in solid waste data.	Low	Developing new data collection systems and methodologies typically increases operational costs	Med	Could maintain existing data analysis jobs; potential for specialized consulting work, but limited scale	Med	Represents improvement in data collection processes, though DEI data integration is increasingly standard practice	Med	Data collection itself operates at process improvement level; could inform more equitable circular economy programs	Low	Does not directly target high tonnage materials; impact on waste reduction depends entirely on subsequent actions	Med	No direct connection to GHG reduction; very indirect potential through improved program targeting	Med	No direct environmental impact; could help identify environmental justice issues in waste management	High	Directly addresses systemic barriers by improving understanding of disparities in service access and outcomes	Med	No immediate convenience changes; better data could lead to more accessible service design	Med	Data collection process could involve community engagement, but doesn't directly connect people	Med	Better understanding of different community needs could enable more culturally appropriate behavior change programs	Med	Moderately complex to implement - requires new methodologies, privacy considerations, and 5–10 year timeline for comprehensive system	High	Significantly improves accountability by making equity impacts visible and measurable	High	Demonstrates commitment to transparent reporting on equity outcomes in waste management services	Med	Could improve consistency in equity approaches, but may initially create complexity across municipalities	High	Requires extensive collaboration with diverse community groups and equity-focused organizations	Med	Better understanding of community needs could support more resilient, inclusive service design

Assessment of Reduce Strategies and Actions

2.0 Reduce			1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17	
Strategy	ID No.	Action Option	Affordability	Assumptions	Economic Prosperity	Assumptions	Innovation	Assumptions	Circularity	Assumptions	Waste Reduction	Assumptions	GHG Emissions Reduction	Assumptions	Environmental Stewardship	Assumptions	Inclusivity	Assumptions	Convenience	Assumptions	Community Participation	Assumptions	Supports Waste Prevention Habits and Actions	Assumptions	Practicality of Implementation	Assumptions	Accountability	Assumptions	Transparency	Assumptions	Consistency / Harmonization	Assumptions	Collaboration	Assumptions	Resilience	Assumptions
2.1 Collaborate with businesses and institutions to reduce waste at the source	D020	Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions	High	Opportunity to reduced costs through better program design that is tailored to sector	High	Could create sector specific jobs as experts will be needed	High	New for the region	High	Could consider options from top levels of hierarchy	High	Could focus on high tonnage materials for certain sectors	High	Potential to target organics with certain sectors	High	Certain sectors could demonstrate higher environmental performance through reduction of harmful materials	Med	No change to barriers or access	High	Makes it easier for certain sectors to participate and improve waste management	High	Enhances community programming	High	Could start in shorter term	High	Points accountable specific sectors	High	Increases transparency of materials from specific sectors	High	Consistency increased across sectors	High	Builds new partnerships with sectors	Med	Incremental improvement - less limited to workshops
2.1 Collaborate with businesses and institutions to reduce waste at the source	D100	Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations.	High	Helping businesses reduce waste should also help their bottom line.	High	Opportunity to increase jobs for education and developing of tools for businesses. Also should help businesses focus on increasing revenue (relates to overall GDP).	High	Would be an innovative approach for the region and especially for businesses.	High	Helps businesses to Rethink/Reduce/Reuse and recycle better using circular solutions.	High	Focused on reduction of waste.	High	Could include programming focused on higher tonnage materials such as organics	High	Assumption there would be programming aimed at reducing food waste that will reduce GHG emissions associated organics entering the landfill	Med	No changes to barriers or access expected, other than for businesses.	High	Makes it easier for businesses to participate as well as encourage their customers to participate.	High	Bringing programming to businesses and providing education will increase community participation and peer-to-peer learning.	High	Has a signigicant ability to change behaviours through businesses and their customers.	Med	Likely will take a few years to fully implement and develop relationships with businesses.	High	Linked to compliance with evolving waste reduction regulation.	High	Should increase transparency of material destinations from businesses, especially when linked with regulation in the future.	High	Consistent education opportunities for businesses and ultimately linked with regulatory compliance will increase regional harmonization	Med	Education may support engagement indirectly, but the action itself doesn't guarantee new partnerships	High	Educating businesses and their customers will increase knowledge and awareness of waste reduction and resourcing
2.1 Collaborate with businesses and institutions to reduce waste at the source	D101	Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.	Med	Potential to result in waste reduction and recycling programs that are likely to involve some cost increases to the targeted sectors. The Regional District of Nanaimo has assessed that net costs are not significant if grouped with incentives for haulers/ collectors that provide multiple source separated streams and low contamination.	High	Potential to support Invest Vancouver and Metro 2050 goals by resulting in more waste prevention and recycling activities in the region.	Med	Supporting these conversations can help make incremental process towards goals.	High	Helps businesses to Rethink/Reduce/Reuse and recycle better using circular solutions.	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste,including readily recyclable materials in CI waste (organics, paper and plastics)	High	Likely to have high impact by targeting CI waste to avoid landfilling organics, paper.	Med	Within regulatory limits.	Med	No significant changes on inclusivity and reducing systemic barriers.	High	If this results in businesses being required to source separate or implement reduction and recycling plans, it is likely to improve convenience (e.g. businesses coming to a business, or the service offerings by collectors to businesses). Makes it more convenient for communities to participate in the conversation and gather.	High	Bringing communities together through workshops and meetings will enhance community building, social connection and peer-to-peer learning	Med	Could help with incremental shift in behavior to meet circular economy and waste prevention goals	High	Relatively easy to implement in the next 0-5 years. Requires municipal actions. Assuming this does not include actual implementation of regulatory approaches.	High	Could result in improvements to accountability as all businesses and collectors will be made more accountable for their actions.	High	If implemented, the regulatory requirements will help to gain better insight in what materials are being recycled and where the materials go.	High	If implemented, the regulatory requirements will result in improvements to consistency/harmonization as long as requirements are made the same for all businesses and collectors.	High	Builds sector partnerships through shared learning and regulatory development	High	If regulatory approach for businesses includes overall performance and future monitoring this would support resilience
2.1 Collaborate with businesses and institutions to reduce waste at the source	D102	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses how they are doing.	High	Provides a way to effectively communicate cost savings of waste reduction efforts to businesses. Rewarding of certain behaviours to encourage waste reduction and promote cost savings	Med	Depending on the scale, this could require more staff to develop methods and communicate to businesses. But generally this action is assumed to maintain the current level of jobs.	High	Has potential to make significant progress towards goals depending on how many businesses are reached and if the new rewards create behaviour change across the industry	High	Waste reduction efforts are at the top of the hiearchy	High	Could target high tonnage items such as organics and plastics	High	Could target organics which is a large portion of the CI waste stream.	Med	Has potential to reduce socioeconomic systemic barriers through rewarding higher performers, but does not directly impact systemic barriers.	High	No expected changes to convenience for the general population	High	This can help bring the business community together and provide peer-to-peer learning.	Med	Could require significant resources and staffing to encourage change across a large group of the business population	Med	No accountability component.	High	Would provide more information to businesses about how materials are managed at end of life and how to improve waste reduction behaviours	High	Should reduce confusion for businesses and provide more clear actions and programs for businesses to increase waste reduction across their community.	Med	May involve engagement with businesses, but does not clearly build new partnerships	Med	Incremental progress as measuring and reporting doesn't directly significantly resiliency for the future populations
2.1 Collaborate with businesses and institutions to reduce waste at the source	D302	Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination.	Med	No significant cost to specific sectors assumed.	Med	Waste prevention approaches generally create more jobs and/or GDP. However this sounds like continuation of existing work, and not significant improvements are assumed.	High	Continuation of existing work, and not significant innovation assumed.	High	Potential to force producers to Rethink/Reduce/Reuse more and recycle better	Med	Targets medium tonnage material and has potential to reduce a large percentage of the remaining waste (hard to recycle plastics).	Med	Reduces anthropogenic emissions eg. targets plastics	High	Demonstrable improvements in environmental performance when products are designed for the environment	Med	Approaches assumed to not significantly change barriers or access experienced by different groups.	High	Residents benefit from cleaner recycling streams and fewer contaminants by including hard-recyclable plastics.	High	Stakeholder collaboration helps to demonstrable improvements through capacity building, social connection and peer-to-peer learning	High	Likely to demonstrable ability to shift behavior to meet goals	High	A continued effort. MV already undertakes some of this advocacy and collaboration.	High	Likely to demonstrable improvements to accountability if hard to recycle materials are identified and addressed.	High	Likely to demonstrable improvements to transparency if hard to recycle materials are identified and addressed.	High	Collaboration helps align standards across communities, reducing confusion for residents and businesses.	High	Builds collaboration between businesses and experts through direct engagement	High	Incremental progress as measuring and reporting doesn't directly significantly resiliency for the future populations
2.1 Collaborate with businesses and institutions to reduce waste at the source	D103	Increase in-person education where business and others can talk directly with experts on how to reduce waste.	Med	Increasing business' ability to access education and resources won't have an impact on affordability.	Med	No anticipated impact to prosperity / jobs	Med	Will lead to incremental progress by increasing waste reduction behaviours.	High	Focused on actions to prevent waste.	High	Assumption that some of these actions are focused on organics.	High	Assumption that some of these actions are focused on organics.	High	Has potential to remove social barriers and access depending on education and program delivery techniques, but does not target systemic barriers	High	Could make it easier for business' to participate in waste prevention.	High	This action would support community building, social connection and peer-to-peer learning.	High	Can help with shifting behaviour to meet goals of waste prevention.	High	This could at least begin in the next five years.	Med	No accountability component.	Med	No changes to transparency assumed.	Med	No changes to consistency/harmonization.	High	Builds collaboration between businesses and experts through direct engagement	High	Increases connectedness of resources and understanding of local options.
2.1 Collaborate with businesses and institutions to reduce waste at the source	D104	Connect with members jurisdictions and the clothing sector to develop solutions for clothing waste reduction that can be implemented at the regional level.	Med	No change in affordability by developing a list of actions. Ensure what the actions will be are difficult to extrapolate potential future outcomes.	Med	Could support local reuse/repair businesses, textile recyclers, and social enterprises. GDP/job impacts are not expected to change in scale compared to construction or plastics initiatives.	High	Will help meet goals to reduce waste, transition to a reusable system, circular economy etc.	High	Targets a waste stream that is challenging but highly relevant for circular economy solutions (reuse, recycling, and redesign).	Low	Textiles are a low impact material stream. Likely will not target a high quantity of materials.	Med	Benefits from reducing production of new textiles and from reducing waste industry (and diverting clothing from landfill). Moderate compared to organics or construction initiatives.	Med	Likely no large environmental stewardship impacts beyond GHG emission and waste reduction.	High	Clothing reuse programs (e.g., donations, repair, swap events) often benefit low-income households and promote affordable access to quality goods.	Med	Likely to encourage repair, reuse, and conscious purchasing behaviors — key to shifting consumer culture.	High	Clothing swaps, repair events, and donation drives encourage strong community engagement and cultural shifts toward reuse.	High	Feasible to develop list in the next 0-5 years, but does not consider implementation of list.	Med	No accountability component.	Med	No significant changes to transparency as this will be voluntary.	Med	Regional coordination reduces fragmentation of textile diversion programs across municipalities.	High	Facilitates collaboration between Metro Vancouver, member jurisdictions, and the clothing sector	Med	Incremental improvement
2.1 Collaborate with businesses and institutions to reduce waste at the source	D152	Host workshops and meetings aimed at sharing and implementing updates to definitions and provisions in zoning and development bylaws to promote clarity and facilitate the possible transition for waste reduction and recycling businesses.	High	Potential to develop affordable waste costs, especially if done collaboratively. Therefore, increasing affordability eventually.	High	Potential to support Invest Vancouver and Metro 2050 goals by resulting in more waste prevention and recycling activities in the region.	Med	Participating in these conversations can help make incremental progress towards goals.	High	Rethink/Reduce/Reuse and recycling.	Med	Depends on results of workshops and meetings. Likely to have Medium impact by reducing anthropogenic emissions eg. targets plastics, but also has potential to have a process emission and reduces individual transport emissions by allowing shorter travel distsnces (local use of materials).	Med	Depends on results of workshops and meetings. Likely to have Medium impact by reducing anthropogenic emissions eg. targets plastics, but also has potential to have a process emission and reduces individual transport emissions by allowing shorter travel distsnces (local use of materials). Moderate compared to organics or construction initiatives.	Med	Within regulatory limits.	Med	No big impact on systemic barriers.	Med	If this results in more access to services for recycling and waste reduction businesses this could reduce a large percentage of the remaining waste , but there is considerable potential to overcome barriers that individual transport emissions by allowing shorter travel distsnces (local use of materials).	Med	Bringing communities together through workshops and meetings will enhance community building, social connection and peer-to-peer learning	Med	Could help with incremental shift in behavior to meet circular economy and waste prevention goals	High	Relatively easy to implement in the next 0-5 years. Requires municipal actions. Assuming this does not include actual implementation of bylaw development.	Med	No changes to accountability	Med	Not likely to have significant changes to transparency	Med	Not likely to result in changes to consistency/harmonization. Each municipality is likely to approach zoning differently.	High	Promotes collaboration with member jurisdictions and alignment on regulatory frameworks.	High	Could result in diversifying the waste management network at local level.
2.1 Collaborate with businesses and institutions to reduce waste at the source	D028	Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.	High	Circular procurement policies and practices have the potential to reduce costs, especially if done collaboratively. Therefore, increasing affordability eventually.	Med	This likely wont have any impact on jobs/GDP.	High	This could significantly support the transition to a circular business model and the investment in reusable systems. By supporting those businesses through procurement.	Med	Promoting procurement to buy sustainable good supports rethink/reduce/reuse.	Med	Likely to support medium tonnage materials such as textiles, electronics.	Med	Likely to reduce some anthropogenic emissions, but not the largest GHG emission reduction.	Med	Within regulatory limits.	Med	No changes on inclusivity and reducing barriers.	High	This will make it easier for MV and organizations to buy more sustainable goods.	High	Enhances community building and peer-to-peer learning	High	Supports behaviour change by thinking through how to buy sustainable goods.	Med	Would take significant time to develop a tool or template that can apply to both MV and organizations and covers all necessary areas.	High	A tool or template likely would not have any tracking requirement	Med	No changes expected.	Med	Would provide the opportunity for consistency but it would not require use of the tool or template.	High	Builds partnerships with industry and other organizations.	High	Incremental improvement
2.1 Collaborate with businesses and institutions to reduce waste at the source	D040	Co-host events such as "builders breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help share information, share success stories and workshop solutions to reducing waste in the built environment sector.	Med	Events such as "builders breakfasts" to discuss solutions for reducing waste in the built environment won't have a direct impact on affordability.	Med	Events such as "builders breakfasts" to discuss solutions for reducing waste in the built environment won't have a direct impact on jobs/GDP.	Med	Events such as "builders breakfasts" to discuss solutions for reducing waste in the built environment could support innovation, there isn't currently a clear path to how the events cannot be predicted.	High	The discussions will be around waste reduction in the built environment which supports the top of hierarchy.	High	This wouldn't directly result in waste reduction but could inform and inspire businesses/actors to reduce waste and would target CRD materials	Med	This wont directly result in waste reduction but could inspire industry actors to implement actions to reduce anthropogenic emissions	Med	These conversations will not have a direct impact on environmental stewardship and the outcomes are difficult to predict.	Med	No changes on inclusivity and reducing barriers.	High	Hosting such events would make it more convenient for actors to get together and participate in the system.	High	This would help shift behavior because the behavior is the industry by having these conversations together	High	This could be implemented in the next 0-5 years.	High	No changes to accountability as this would be voluntary and just be conversations together	Med	No changes to tracking from conversations.	Med	No changes to consistency/harmonization directly, but could result in more consistency/harmonization by getting actors together in a room	High	Builds multi-sector partnerships through co-hosted events	High	Sharing of success stories can increase resiliency in the community
2.1 Collaborate with businesses and institutions to reduce waste at the source	D043	Update and maintain the Metro Vancouver Construction and Demolition Waste Reduction Toolkit starting with updated case studies that follow a case study template developed collaboratively with industry and stakeholders	Med	Likley no big changes from what the toolkit already provides.	Med	Likely wont have any significant impact on jobs	Med	Likley will provide some progress but nothing significant on top of what already happenes from the toolkit	High	Likely will improve circularity with updated case studies	High	A C&D waste reduction toolkit targets high tonnage materials (building materials)	Med	Depends on what is part of the updates in the toolkit	Med	Likley no changes to inclusivity from what the toolkit already provides	Med	Likely to targe changes to inclusivity from what the toolkit already provides	Med	Would help shift behaviour by reuse of building materials	High	Relatively easy to implement in next 5 years	Med	No accountability component.	Med	no changes to tracking materials than in the solid waste management system	Med	No changes to consistency/harmonization	High	Involves collaboration with industry and member jurisdictions in developing shared tools.	High	Increases connectedness of resources
2.1 Collaborate with businesses and institutions to reduce waste at the source	D202	Report on challenges and opportunities to reduce construction waste in the Metro Vancouver region.	Med	No cost implications	Med	Maintains jobs and likely won't have any long term impacts on job creation	Med	Potential to shift market to align "less good actors" with existing and and already broadly implemented best practices in the industry	High	Report would focus on preventative and reuse initiatives (opportunities) as a part of the research	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste tonnage, (e.g., wood waste, asphalt, rubble	High	Likely to be high if can target wood waste	Med	Within regulatory limits.	Med	No changes to barriers, only identification	Med	No significant changes expected due to the report	Med	No changes to community building, social connection and peer-to-peer learning	Med	Not likely to demonstrable ability to shift behavior since this initiative is very much focused on understanding the current situation and best practices	Med	Relatively easy to complete in the short term	High	No changes to accountability building, social connection and peer-to-peer learning	Med	A report would not result in any changes to transparency	Med	No changes to consistency/harmonization assumed.	Med	Reporting may involve collaboration but does not directly build new partnerships	Med	A report would only provide incremental improvement, if any.
2.2 Support residents adopting waste prevention habits	D091	Increase in person education where residents can talk directly with experts on how to reduce waste.	Med	Increasing residents' ability to access education and resources won't have an impact on affordability.	Med	No anticipated impact to prosperity / jobs	Med	Will lead to incremental progress by increasing waste reduction behaviours.	High	Focused on actions to prevent waste.	High	Assumption that some of these actions are focused on organics.	High	Assumption that some of these actions are focused on organics.	High	No potential to demonstrate higher environmental performance through reduced use of harmful products and single use items	Med	This action does not particularly address any systemic barriers	High	Could make it easier for residents to participate in waste prevention.	High	This action would support community building, social connection and peer-to-peer learning	High	Can help with shifting behaviour to meet goals of waste prevention.	High	This could at least begin in the next five years.	Med	No accountability component.	Med	No changes to transparency	Med	No changes to consistency/harmonization.	High	Builds collaboration between residents and experts in the field through direct engagement	High	Increases connectedness of resources and understanding of local options.
2.2 Support residents adopting waste prevention habits	D080	Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.	High	This could improve affordability for the average citizen if communication on waste reduction, such as reusable diapers, is effective. Residents should begin to understand cost savings associated with waste reduction practices.	Med	No significant impact on jobs or GDP expected. Indirectly could reduce household and municipal disposal costs through better participation.	High	This would be a relatively new option for the region and could be a significant game changer when it comes to engaging and getting people to participate in waste reduction.	High	Waste reduction is the primary focus of this option.	Med	Could target high tonnage material but not likely to achieve large amount of remaining waste.	Med	Indirect — depends on the type of actions residents take (e.g., organics diversion, reuse, recycling). Potentially meaningful if widely adopted.	Med	Promotes awareness and culture change but impacts are expected to be minimal.	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Could improve convenience with increased communication and eventual understanding of residents on how to participate in waste reduction.	High	Celebrating of high performers expected to engage the community. Recognition programs and neighborhood competitions build engagement, social connection, and peer learning.	High	Community recognition to drive behaviour change.	Med	Requires development of robust, credible measurement methods. Possible in about 5 years, but needs careful design to avoid mistrust or "greenwashing."	Med	No changes to accountability anticipated.	High	No changes to transparency	Med	No changes to consistency/harmonization.	Med	Should increase consistency and reduce confusion, knowledge, understanding, and participation.	Med	Minimal change expected to level of collaboration with external organizations or partners.	High	Builds social resilience by strengthening household-level participation and awareness
2.2 Support residents adopting waste prevention habits	CZ5144	Expand education tools to help multi-family residents reduce waste, increase participation, and comply with evolving waste reduction regulations.	Med	No impact on affordability.	Med	Unlikely to direct correlate to increased jobs or GDP.	Med	Will help make incremental progress towards goals.	Med	Covers the entire hierachy.	Med	Education can target all materials so impacts are uncertain.	Med	No big impact on GHG emissions reduction.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No changes to systemic barriers.	Med	No changes to convenience.	High	Has the potential to support community building, social connection and peer-to-peer learning	High	Has the opportunity to motivate residents to participate and shift behaviour through increased education.	High	This could be implemented in the next 0-5 years	Med	No changes to accountability.	Med	No changes to transparency	High	This can help education for multi-family residents across the region more consistent.	Med	May involve outreach, but does not clearly build new partnerships	Med	No changes to resiliency
2.3 Prioritize food waste reduction initiatives	D075	Advocate for the federal and provincial government to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.	High	Can have postive impacts if food gleaning and remanufacturing can lead to reduced food costs. Funding and incentives programs can make food recovery programs more affordable.	High	Limited harvest/ farms in Metro Vancouver, but other opportunities such as vertical farming and industrial cundiseus to support food remanufacturing can have positive impacts on jobs and GDP.	Med	No direct impact on innovation. This will help make incremental progress towards goals by scaling up initiatives.	High	Focus is on circular food systems which targets rethink/reduce/reuse.	High	Agricultural practices can also generate large amounts of GHG emissions and waste. It is estimated that this sector generates. In Canada, as per NZWC, agricultural sector produces 660,000 tonnes of avoidable food waste per annum in Canada, as per NZWC report on case study for waste prevention in Canada from 2021. Canada-wide the agricultural sector contributes to 73.1 million tonnes of CO2e as per	High	Reducing food waste will reduce GHG emissions associated with reducing organics entering the landfill Agricultural practices can also generate large amounts of GHG emissions and waste. It is estimated that this sector generates as per NZWC report on case study for waste prevention in Canada from 2021. Canada-wide the agricultural sector contributes to 73.1 million tonnes of CO2e as per	Med	No significant environmental benefits beyond waste and GHG emissions reductions	High	Can help to address food insecurity.	High	This would support the food production industry and make it easier for targeted sector(s) to participate in solid waste management services and programs	High	This action would support community building, social connection and peer-to-peer learning through hosting learning sessions and sharing success stories	High	This action can help to shift behaviours.	High	This could be implemented in the next 0-5 years	Med	No changes to accountability.	Med	No changes to transparency	Med	No changes to consistency/harmonization.	Med	Advocacy may support collaboration indirectly, but the action itself doesn't guarantee new partnerships	High	Increases local food production which directly increases resiliency.
2.3 Prioritize food waste reduction initiatives	D072	Work with business, industry associations, and non-profits to reduce food waste by improving food purchasing, storage, and preparation methods.	High	Should improve ability for industry to reduce costs for purchasing food in the long-run. Should be less food waste / excess by improving food purchasing, storage and preparation methods	Med	Don't anticipate an increase in jobs. More along the lines of improving education and communicating techniques	High	Relatively new for the region and would require innovative relationships between industry, non-profits, and municipalities	High	Increases reduction and better use of food - top of the hierarchy	High	This action targets high tonnage material (organics).	High	Reducing food waste will reduce GHG emissions associated with reducing organics entering the landfill	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	No reduction in access or systemic barriers	Med	No anticipated improvement to convenience	High	Requires collaborative relationships within the community	High	Has ability to shift behaviours through improved communication and programming on reduction of food waste	Med	Due to larger number of stakeholders and complexity of education required, this in action is expected to take a few years to get started	Med	No expected changes to accountability	High	Improves tracking and awareness of food waste	High	Aims to harmonize food purchasing, storage, and preparation practices across the community	High	Builds partnerships across business, industry, and nonprofit sectors.	High	Has potential to increase connectedness of resources
2.3 Prioritize food waste reduction initiatives	D073	Share learnings through industry focused web resources for the hospitality and entertainment sectors.	High	Web resources are a relatively inexpensive way to share information that can be used by industry to reduce food waste which can in turn reduce overall operating costs.	Med	Don't anticipate an increase in jobs. More along the lines of improving education and communicating techniques	Med	Service improvement with incremental progress towards goals	High	Increases reduction and better use of food - top of the hierarchy	High	This action targets high tonnage material (organics).	High	Reducing food waste will reduce GHG emissions associated with reducing organics entering the landfill	Med	Within regulatory limits.	Med	No reduction in access or systemic barriers	Med	No anticipated improvement to convenience	Med	No changes to community building	Med	Likely not to have significant changes to behaviour	High	Should be relatively easy to complete in the short term	Med	No expected changes to accountability	Med	Unlikely to increase transparency through a website	Med	Not likely to have very multi impact on harmonization	Med	May involve outreach, but does not clearly build or expand partnerships	Med	Limited improvement due to being limited to a website for sharing of resources
2.3 Prioritize food waste reduction initiatives	D052	Incentivize the commercial and institutional sectors to reduce food waste.	High	May reduce disposal costs for businesses over time. Incentives can also offset costs.	Med	May stimulate innovation and job creation in food recovery and waste processing sectors.	Med	Continuing an already established initiative, but incentivizing adoption would provide clear progress towards goals.	High	Focused on actions to reduce food waste.	High	Does include high tonnage materials (e.g., food scraps/organics)	High	Reducing food waste will reduce GHG emissions associated with reducing organics entering the landfill	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	Can be designed to support food donation programs that benefit underserved communities.	Med	May require operational changes for businesses, but incentives help. Convenience improves with clear guidance and support.	Med	Opportunities for engagement through food recovery networks, donation programs, and partnerships with retailers. Participation rates can increase with outreach and program design.	High	Incentives can help with reinforcing long-term waste prevention habits.	Med	Requires policy development, stakeholder engagement. Feasible within 5–10 years with moderate investment and coordination.	Med	Could improve tracking of food waste reduction outcomes if reporting is required.	Med	Unlikely to increase transparency.	Med	Not likely to have impact on harmonization as this provides incentives and does not directly change the component. Could have small impacts depending on uptake.	High	Likely would involve municipalities, food service providers, institutions, nonprofits, and waste processors.	High	Strengthens system resilience by reducing food waste, improving infrastructure and improving food system efficiency. Supports climate adaptation and resource conservation.
2.4 Enhance approaches to Metro Vancouver's disposal ban program	D107	Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions.	Low	Could increase costs in the near future since certain materials won't be able to be easily disposed (landfilled), or will have to pay higher tipping fees.	High	Should increase diversion options and promote other markets for recyclability, increasing GDP and jobs.	High	Continuing an already established initiative, but through innovative approaches which will provide clear progress towards goals.	Med	Enforcing disposal bans would encourage and promote increased recycling and more upstream options.	High	Does include high tonnage materials (e.g., food scraps/organics)	High	Does include organic materials (e.g., food scraps/organics)	High	Disposal bans present an opportunity to reduce other environmental impacts such as water use, reduction in litter, reducing the need for natural resources, and unnecessary landfilling.	Med	No changes to system barriers.	Low	At first this will be an inconvenience and make waste management more challenging for industry if landfilling is not an option.	Med	No direct benefits on connecting people through services and programs delivered	High	Regulation, with proper enforcement, through actions such as disposal bans have significant opportunity to change behaviour.	High	Since bans are already established, increased enforcement or management approaches, should be able to be phased in within the next five years, along with increased education.	High	Regulatory approaches will directly increase accountability through increased tracking and a reduction in material being sent to landfill.	High	A regulatory approach should increase transparency on material destinations and the overall flow of materials in the waste management system.	High	Enforced landfill bans through standardized techniques will increase consistency due to a harmonized management approach for the material.	Med	May involve consultation, but does not clearly build or expand partnerships.	High	Will ultimately increase diversity of markets for the materials banned from landfill.
2.4 Enhance approaches to Metro Vancouver's disposal ban program	D108	Create incentives for waste and recycling collectors to work with their generators to adopt additional recycling services and reduce waste.	High	Incentives for collectors may reduce the overall cost of collection for generators.	High	Potential to expand collection and recycling services. Therefore, creating more jobs and increasing GDP.	Med	This is a not a game changer and would lead to incremental progress toward goals	Med	This is to encourage more recycling primarily.	High	Likely to most impact CI customers which is a large part of the waste stream. Could focus on high tonnage materials such as organics and cardboard.	High	Assumed that organics would be targeted.	Med	No significant environmental benefits beyond waste and GHG emissions reductions.	Med	No changes to system barriers.	High	Could make it easier for CI customers to participate in programs through their collector.	Med	No direct benefits on connecting people through services and programs delivered	Med	Reinforces recycling habits, but less focused on upstream prevention (reduce/reuse). Could evolve toward prevention.	High	This could be implemented in the next 0-5 years	High	Action helps to hold responsible actors responsible to achieve goals	Med	No significant changes to observing more information about what happens to materials	High	Action demonstrable improvements to consistency/harmonization in terms of implementing more consistent services across collectors.	High	Would require fairly significant collaboration and engagement with collectors and their generators.	High	May lead to increased resources and services provided for generators by their collectors, increasing community resilience.
2.4 Enhance approaches to Metro Vancouver's disposal ban program	D105	Review and expand Metro Vancouver disposal ban program to include new items such as textiles.	Low	Could increase costs in the near future since certain materials won't be able to be easily disposed (landfilled), or will have to pay higher tipping fees.	High	Should eventually increase diversion options and promote other markets for recyclability, increasing GDP and jobs.	High	Would be a new initiative for the region and provide clear progress towards goals.	Med	Disposal bans would encourage and promote increased recycling and more upstream options.	Med	Targets medium tonnage material (e.g., textiles).	Med	Potential to reduce anthropogenic emissions.	High	Disposal bans present an opportunity to reduce other environmental impacts such as water use, reduction in litter, reducing the need for natural resources, and unnecessary landfilling.	Med	No changes to system barriers.	Low	At first this will be an inconvenience and make waste management more challenging for industry if landfilling is not an option.	Med	No direct benefits on connecting people through services and programs delivered	High	Regulation through actions such as disposal bans have significant opportunity to change behaviour.	Med	Would need to phase in additional landfill bans to ease the transition and encourage recycling. Likely would more than five years for full implemenation for multiple materials.	High	Regulatory approaches will directly increase accountability through increased tracking and a reduction in material being sent to landfill.	High	A regulatory approach should increase transparency on material destinations and the overall flow of materials in the waste management system.	High	Landfill bans for the region will increase consistency due to a harmonized management approach for the material.	Med	Policy development may involve consultation, but does not clearly build new partnerships.	High	Will ultimately increase diversity of markets for the materials banned from landfill.

Assessment of Reuse Strategies and Actions

3.0 Reuse		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17	
Strategy	ID No.	Action Option	Affordability	Assumptions	Economic Prosperity	Assumptions	Innovation	Assumptions	Circularity	Assumptions	Waste Reduction	Assumptions	GHG Emissions Reduction	Assumptions	Environmental Stewardship	Assumptions	Inclusivity	Assumptions	Convenience	Assumptions	Community Participation	Assumptions	Supports Waste Prevention Habits and Actions	Assumptions	Practicality of Implementation	Assumptions	Accountability	Assumptions	Transparency	Assumptions	Consistency / Harmonization	Assumptions	Collaboration	Assumptions	Resilience	Assumptions
1.1 Support consistent approaches to reuse	ID052	Develop consistent tools and reporting requirements to improve administrative efficiency of reuse relocation and deconstruction bylaws for contractors and municipalities.	Med	Developing standardized tools and reporting systems has upfront costs, but efficiency gains reduce administrative burden for both contractors and municipalities. Could also lower compliance costs by making processes more predictable.	Med	Supports growth of deconstruction and material reuse industries by streamlining permitting and oversight. Indirectly supports job creation in deconstruction and secondary material markets.	Med	Standardization is not highly innovative on its own, but it enables smoother adoption of innovative deconstruction practices and reuse systems.	High	This would fall under reuse in the hierarchy.	High	This targets high tonnage materials (wood).	Med	There is a potential for increased hauling distance and hauling to multiple locations to salvage building materials, but it avoids landfilling and reduces impact on natural resource extraction.	High	Salvaging and increasing reuse reduces stress on environment for natural resources.	Med	No changes on inclusivity and reducing systemic barriers.	High	Simplifies processes for contractors, municipalities, and residents seeking to relocate or deconstruct homes.	Med	No large impacts on community participation.	High	House moving and deconstruction will support a shift in behaviour to value salvage and reuse	High	Well within MV's role to collaborate with municipalities on developing tools and templates. Could be implemented in 0–5 years.	High	Clear reporting requirements improve tracking and accountability for compliance.	High	Standardized reporting increases visibility into deconstruction outcomes and materials diverted.	High	Developing a harmonized approach for house moving and deconstruction increases consistency in the region.	High	involves collaboration between Metro Vancouver, contractors, and municipalities to align tools and reporting.	High	Strengthens regional infrastructure for material recovery and reuse, while reducing reliance on landfill capacity.
1.1 Support consistent approaches to reuse	ID034	Advocate for the adoption of consistent reuse regulations once they are proven successful at the community level.	Med	Some businesses may face higher short-term costs in transitioning to reusable systems (dishwashing, durable containers, logistics). Over time, reuse can reduce costs for both businesses and consumers.	Med	No impact on jobs.	High	Would significantly help reach goals	High	Supports rethink/reduce/reuse	Med	This action targets low tonnage materials. However, single-use items are a visible waste stream and phasing in reuse can substantially reduce tonnage in residential/commercial waste.	Med	There is opportunity to reduce anthropogenic emissions (targets plastics)	High	This action could result in reducing ocean plastics from littering and SUI pollution.	Med	No changes on inclusivity and reducing barriers.	High	This would make it easier for sectors to participate by having harmonized requirements.	Med	Likely no large changes to community building, social connection and peer-to-peer learning	High	Would help shift behaviour of targeted sector	Med	Advocating itself would not require significant time but this would follow successful regulations at the community level which would take time.	High	If successful, it would result in increased accountability.	Med	By requiring reusable there would be less waste in the system to track, so no real impact on transparency	High	Increases harmonization across the province if successful	Med	Advocacy may involve consultation but does not inherently build or expand partnerships.	High	Harmonized approach to incorporating more reuse increases resiliency
1.1 Support consistent approaches to reuse	ID063	Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.	Low	SUI reduction bylaws could increase cost to residents and businesses due to charging for SUI and/or reusables and businesses needing to invest in reusables.	Med	No impact on jobs.	High	SUI reduction and specifically reuse requirements regionally would be innovative and would help reach goals.	High	SUI reduction and reuse requirements supports rethink/reduce/reuse on the hierarchy.	Low	This action targets low tonnage materials.	Med	There is opportunity to reduce anthropogenic emissions (targets plastics)	High	This action could result in reducing ocean plastics from littering and SUI pollution.	Med	No changes on inclusivity and reducing barriers.	High	This would make it easier for sectors to participate by having harmonized requirements.	Med	Likely no large changes to community building, social connection and peer-to-peer learning	High	Would help shift behaviour of targeted sector	Med	This would require significant effort and time to implement but could be done within 5-10 years.	High	Increasing the number of bylaws would increase accountability.	Med	By requiring reusable there would be less waste in the system to track, so no real impact on transparency	High	increases harmonization across the region	High	Involves collaboration across member jurisdictions to update and align regional bylaws.	High	Regionalized approach to incorporating more reuse increases resiliency
1.2 Increase reuse of used building materials	ID039	Encourage the development of an in-region facility for triaging building materials to their best and highest use.	High	Potential to reduce costs for the construction and demolition sector and ultimately the residential sector through reduced processing costs as well as access to reusable materials.	High	Reuse and circular solutions generally increases jobs and/or GDP.	High	significant potential/game changer to transition to reusable systems	High	Can help construction and demolition companies to integrate Rethink/Reduce/Reuse and recycling into their practices.	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste tonnage (e.g., wood waste, asphalt, rubble, and misc. building materials)	High	Likely to be significant if wood waste and other bulky waste materials can be separated	High	Demonstrable improvements in environmental performance when moving from linear model to a circular model with material reuse	Med	Unlikely to have significant impacts on barriers or access experienced by different groups/people	High	Makes it easier for C&D sector to participate in solid waste management services and reuse	High	Can help to improve community building,	High	Would help construction sector to reuse different bulky waste materials (wood, asphalt, rubble, other building materials)	High	Relatively easy to implement in the next 0-5 years if Metro Vancouver and member municipalities can identify suitable land owned by them	Med	No changes to accountability.	High	Assumes that temporary storage of reuseable materials would involve tracking and reporting and it would help to demonstrate improvements to transparency on what happens to materials.	High	Consistency to improve for sorting of material within the region.	High	Likely to involve collaboration with industry, and possibly municipalities.	High	increases connectedness of resources
1.2 Increase reuse of used building materials	ID045	Advocate that provincial and federal governments develop an incentive program to increase the use of used building materials in new projects.	High	Could lead to reduced costs for the sector if successful at advocating and achieving incentives.	High	Waste prevention approaches and circular solutions generally increases jobs and/or GDP, especially when incentive approaches encourages multiple sectors to change.	High	Potential/game changer to transition to reusable construction systems and stimulate a competitive market where industry is motivated to develop circular solutions to waste management problems.	High	Could incentivize builders and construction companies to integrate Rethink/Reduce/Reuse and recycling into the design of a building.	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste tonnage which is likely to reduce wood waste.	High	Likely to be high if material reuse is targeting wood waste.	High	Demonstrable improvements in environmental performance when moving from linear model to a circular model with incorporating more reused building materials.	Med	Approaches assumed to not significantly change barriers or access experienced by different groups.	High	Incentives could increase convenience for the industry to use reused building materials.	High	Less direct community involvement, but could support local reuse/deconstruction organizations and community-level employment.	High	Could change current behaviour in the construction sector to encourage reuse of materials when possible.	Med	As an advocacy action, Metro Vancouver has limited direct authority. Provincial/federal uptake could take 5–10 years, though reporting systems could be phased in earlier.	High	Likely to demonstrable improvements to accountability.	High	Incentive programs often provide data on materials used, recovered, and recycled, increasing system-wide transparency.	High	National/provincial frameworks would harmonize construction practices and reduce regional inconsistencies.	High	Advocacy may support collaboration indirectly, but the action itself doesn't guarantee new partnerships.	Med	Circular (reuse) built environment solutions make material supply chains more resilient and reduce reliance on virgin imports, while extending infrastructure life cycles.
1.2 Increase reuse of used building materials	ID046	Work collaboratively with industry, municipalities and the federal and provincial government to better understand storage and land use requirements for the C&D sector and find innovative solutions to meet land use needs for key waste reduction activities such as house moving, deconstruction and building material resale.	High	Potential to reduce costs for the construction and demolition sector, and ultimately the residential sector, through innovative solutions to encourage waste reduction activities.	High	Increased material reuse, deconstruction, and house relocating generally increases jobs and/or GDP.	High	This action would require innovative solutions for waste reduction activities in the region related to more emerging practices such as deconstruction, house relocating, and building material resale	High	Focusing on the top levels of the hierarchy with reuse	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste tonnage, e.g., wood waste, asphalt, rubble, by redirecting them to other industries as raw materials.	High	Focused on waste reduction and would include large tonnages of wood waste.	Med	Moderate but extends material lifecycles and reduces demand for virgin resources, conserving forests, minerals, and other natural assets.	Med	No changes to impacts on systemic barriers or accessibility.	High	Makes it easier for C&D sector to participate in waste reduction activities.	Med	Potential for community reuse depots and partnerships with non-profits, though the focus is more industry and contractor driven.	High	Good likelihood that behaviour changes will shift with implementation of innovative solutions and an understanding of land use requirements for house relocation, deconstruction, and building material resale	Med	Conversations amongst stakeholders could start in the very near future, but significant implementation likely to come later (5-10 years)	Med	MV could lead reporting element, but this is focused on a shared responsibility to find solutions.	Med	With a large group of stakeholders involved, solutions should be clearly communicated across varying participants and collaborative solutions determined, increasing transparency	High	Opportunity for more standardized approach with increased understanding and solutions for land use requirements	High	Builds partnerships across government and industry.	High	Significant opportunity to increase capacity and markets
1.2 Increase reuse of used building materials	ID038	Explore options for implementing an online marketplace for C&D materials.	High	Potential to reduce costs for projects looking to use salvaged materials	Med	An online marketplace likely wont have significant impacts on the industry	High	Significant potential/game changer to transition to encourage reuse in the C&D sector	High	Can help construction and demolition companies to integrate Rethink/Reduce/Reuse and recycling into their practices.	High	An online marketplace for C&D materials targets high tonnage materials (building materials)	Med	will target anthropogenic emissions through transportation and some emissions associated with landfilling building materials and reusing building materials	High	Demonstrable improvements in environmental performance when moving from linear model to a circular model with material reuse	Med	An online marketplace will not have an impact on inclusivity as it does not target making more affordable materials available.	High	Could result in an increase in convenience to finding used building materials	High	can help improved community building and building a sense of community and social connection	High	would help shift behaviour to reuse of building materials	High	would take time to set up the online marketplace	Med	No accountability component.	High	Could incorporate a tracking element to the marketplace to show the material flow	Med	No changes to consistency/harmonization	High	Would require collaboration with industry, and possibly municipalities.	High	increases connectedness of resources
1.2 Increase reuse of used building materials	ID037	Foster further development of secondhand building material markets.	High	By increasing the second hand building market, there likely will be more affordable building materials in the market	High	This likely will result in an increase in jobs in the C&D industry	Med	This can provide incremental progress toward goals as the second hand building material market develops	High	Can help construction and demolition companies to integrate Rethink/Reduce/Reuse and recycling into their practices.	High	A second hand building material market targets high tonnage materials (building materials)	Med	will target anthropogenic emissions through transportation and some emissions associated with landfilling building materials and reusing building materials	High	Demonstrable improvements in environmental performance when moving from linear model to a circular model with material reuse	Med	Provedes more affordable renovation options, especially for lower-income households. Could also support non-profits that provide low-cost building supplies	High	Could result in an increase in convenience to finding used building materials	High	can help improved community building and building a sense of community and social connection	High	would help shift behaviour to reuse of building materials	Med	would require extensive work, time and resources	Med	No accountability component.	High	no changes to tracking materials flows in the solid waste management system	Med	No changes to consistency/harmonization	High	Likely to involve collaboration with businesses, nonprofits, and industry groups.	High	increases connectedness of resources
1.2 Increase reuse of used building materials	ID035	Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.	High	Potential to reduce costs for the construction and demolition sector and ultimately the residential sector with increased reuse	High	Increased material reuse and circular solutions generally increases jobs and/or GDP.	Med	Gradual transition to increased use of used building materials	High	Can help construction and demolition companies to integrate reuse into their practices.	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste tonnage, e.g., wood waste, asphalt, rubble, by redirecting them to other industries as raw materials.	High	Likely to be high if can target wood waste	Med	Within regulatory limits.	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Makes it easier for C&D sector to participate in material reuse	Med	No changes to community building, social connection and peer-to-peer learning	High	Relatively easy to implement in the next 0-5 years	Med	No changes to accountability.	High	Not likely to have significant changes to transparency	Med	No changes to consistency/harmonization	High	involves collaboration with both industry and member jurisdictions.	High	increase in used building materials increases resiliency
1.2 Increase reuse of used building materials	ID056	Encourage residents to incorporate more used building materials into their home renovation projects.	High	Potential to reduce costs for DIY'ers	Med	Likely wont have any significant impact on jobs	Med	Not a high-tech innovation, but socially innovative by normalizing reuse in residential renovation sector. Could encourage new business models (e.g., online used material marketplaces).	High	Can help DIY'ers integrate Rethink/Reduce/Reuse and recycling into their practices.	High	Building materials are high tonnage materials.	Med	Will target anthropogenic emissions through transportation and some emissions associated with landfilling building materials and reusing building materials	High	Demonstrable improvements in environmental performance when moving from linear model to a circular model with material reuse	Med	Encouraging residents will not have an impact on inclusivity as it does not target making more affordable materials available.	Med	Some inconvenience exists in sourcing used materials (availability, transport, matching needs). Convenience improves if regional depots and marketplaces are expanded.	High	Encourages residents to engage with reuse depots, salvage organizations, and donation networks, fostering local connection.	High	Would help shift behaviour to reuse of building materials	High	Relatively easy to implement in next 5 years	Med	Uptake is voluntary, so accountability is limited. Metro can track diversion tonnage at depots to measure impact.	Med	Impacts can be reported through participating depots and programs, but not easily tracked at the household level.	Med	No changes to consistency/harmonization	Med	May involve public outreach but does not directly build new partnerships.	High	Incorporation of used building materials increases resiliency
1.3 Foster the broad adoption of reuse, refill, and repair	ID066	Consider spatial mapping of repair and other ways to better quantify reuse and repair in the region. Prioritize open data approaches so that data can be universally accessed.	High	Having better information on repair and reuse options, such as availability, should increase affordability. If more people are aware of the options available they will utilize them more.	Med	Not expected to have a significant impact on job creation.	High	Potential to help meet progress towards goals through an innovative approach to increase awareness and availability of repair and reuse options.	High	Focused on highest levels of the hierarchy	Med	Waste reduction potential depends on specific focus.	Med	Potential to reduce anthropogenic emissions.	High	Opportunity to reduce other environmental impacts such as water use and unnecessary landfilling.	Med	No changes to system barriers.	High	Having locations of repair and reuse available should increase the ability for people to access options.	High	Opportunity to connect the community through awareness of reuse and repair options.	High	Having the locations available should increase use of the options, supporting waste prevention.	High	Should be able to implemented in the next five years, at least with a phased approach.	High	No accountability component.	High	Increased data on repair and reuse can increase transparency of how materials are flowing through the region.	High	Universal access of data should increase regional consistency	Med	May involve consultation or data sharing, but does not clearly build new partnerships.	High	increase in data and understanding/awareness of repair and reuse options has the potential to increase community resilience.
1.3 Foster the broad adoption of reuse, refill, and repair	ID047	Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as "thing rentals" at public	High	Assuming that external funding can support so that sharing services will be expanded at libraries at low/ no cost to residents	High	Increased material reuse, repair and circular solutions generally increases jobs and/or GDP, especially when supported by senior government.	High	Helps to create circular community models	High	Rethink/Reduce/Reuse	Low	Waste reduction potential depends on specific focus. Assumed that initiatives will reduce materials that are low tonnage in the waste stream.	High	Increase reuse would help avoiding the disposal of plastics and other materials.	High	Local community reuse initiatives can help to reduce dumping of materials (bulky items/ furniture).	High	Will help to demonstrable improvements in access to repair services and can remove barriers experienced by people	High	Makes it easier for communities to participate in reuse programs	High	If reuse programs will be set up at libraries and in communities, there will be improved opportunities for community building, social connection and peer-to-peer learning	High	Will help to shift behaviors to meet goals	Med	Grants from municipalities can be implemented quite easily, but Provincial action may take time.	Med	no changes to transparency	Med	If senior governments successfully develop programs for all libraries it would increase consistency/harmonization.	Med	Advocacy may support collaboration indirectly, but the action itself doesn't guarantee new partnerships.	High	Significant opportunity to increase capacity and markets
1.3 Foster the broad adoption of reuse, refill, and repair	ID083	Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.	High	Expected to increase affordability due to improved awareness and knowledge of reuse/refill/repair options.	Med	Not expected to have a significant impact on job creation.	High	The collaborative work would significantly improve data and awareness in the region.	High	Focused on highest levels of the hierarchy	Med	Has some potential to target high tonnage materials, but generally does not focus on high tonnage materials.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	High	No changes to impacts on barriers or access experienced by different groups/people	High	A data set for reuse/refill/repair would improve the convenience for people searching for these services/options in the region.	High	Opportunity to connect the community through awareness of reuse/refill/repair options.	High	Specifically focused on waste prevention through reuse/refill/repair.	High	Could be done collaboratively within the next 5 years.	Med	No accountability component.	High	Increased data on reuse/refill/repair can increase transparency of how materials are flowing through the region.	High	Collaboration with the other municipalities on this option would increase harmonization of data tracking.	High	Builds partnerships with external organizations and nonprofits.	High	increase in data and understanding/awareness of reuse/refill/repair options has the potential to increase community resilience.
1.3 Foster the broad adoption of reuse, refill, and repair	ID167	Work with industry associations, practitioners and senior government to identify and fill skills training gaps required to scale reuse, refill and repair.	Med	Identifying and filling skills training gaps for reuse, refill and repair will not have large impacts on affordability.	High	Filling training gaps can result in an increase of jobs	High	Could result in new jobs that support reuse, refill and repair, which can support the circular economy and develop industry and circular business models	High	Can support circularity as this will help ill training gaps for reuse, refill and repair	Low	Targets paper (book) materials that are low tonnage in the waste stream	Med	Difficult to identify GHG emission reduction until training gaps are identified	Med	Uncertain until skills are identified - don't know what improvements this might result in	High	Assuming that collaboration with senior government and institutions can help to offer training to people who are typically marginalized without means to access training.	High	Could result in improvements to being able to support the solid waste environment through more and better training/skill development	High	Can help improved community building and building a sense of community and social connection	High	Regardless of skills identified, this is likely to support waste prevention habits and actions	Med	This would require significant effort and time to set out and coordinate	Med	No accountability component.	Med	No changes to tracking.	Med	No changes to consistency/harmonization	Med	Increased training and filling of gaps increases community resiliency
1.3 Foster the broad adoption of reuse, refill, and repair	ID164	Share best practices for incorporating reuse, refill, and repair programs into communities.	High	Expected to increase affordability due to improved awareness and knowledge of reuse/refill/repair options.	Med	Not expected to have a significant impact on job creation.	High	Sharing best practices can significantly improve awareness in the region.	High	Rethink/Reduce/Reuse	Low	Waste reduction potential depends on specific focus. Assumed that initiatives will reduce materials that are low tonnage in the waste stream.	Med	Targets plastics reduction by encouraging product reuse, repair and sharing (e.g., durable goods, appliances, etc)	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	No changes in convenience by increasing knowledge of best practices.	High	Opportunity to connect the community through awareness of reuse/refill/repair options.	High	Specifically focused on waste prevention through reuse/refill/repair.	High	Relatively easy to implement in the next 0-5 years.	Med	No accountability component.	Med	No changes to transparency	Med	No changes to consistency/harmonization so services provided through information sharing.	High	Builds collaboration across jurisdictions and community organizations to share and implement best practices.	High	Celebrates solutions that can increase connectedness of resources
1.3 Foster the broad adoption of reuse, refill, and repair	ID025	Encourage brands to take back garments from consumers for reuse and repair .	High	Could reduce costs to consumers if items can be taken back and repaired at lower cost than purchasing new items	Med	could have positive impacts on local repair jobs, although important to recognize this is voluntary with medium tonnage material stream	Med	Could provide incremental progress towards goals. Incentivizing/encouraging wont result in any major changes but it could help with some minor shifts	High	Encouraging brands to take back garments for reuse and repair is high on the hierarchy.	Low	Textiles are a low impact material stream.Likely will not target a high quantity of materials.	Med	Could have some reduction impacts, but incentivizing/encouraging wont have the same intact as a requirement.	Med	Likely no large environmental ownership/re-impacts beyond GHG emission and waste reduction. Unsure what the actions will be so difficult to extrapolate potential future outcomes.	Med	Would not result in any changes for inclusivity and does not reduce systemic barriers.	Med	Would not have any changes in level of convenience.	High	Enhances community building and peer-to-peer learning	High	Could support a shift in behaviour if the incentives are enough that brands do take this on.	High	Encouraging/incentivizing would not require significant changes to models or systems.	Med	incentivizing/encouraging does not increase accountability	Med	No significant changes to transparency as this wil be voluntary.	Med	Encouraging/incentivizing would not increase consistency as there is no regulatory component.	Med	May involve engagement, but does not directly build new partnerships.	Med	Has potential to increase resiliency but likely with only encouragement this will result in only incremental progress
1.4 Work with event organizers, businesses and institutions to increase reuse	ID055	Evaluate the feasibility of a regional-scale reusable food serviceware system	Low	Although a regional system brings efficiencies, it is likely to increase costs to establish and maintain system, compared to current model. Food service providers and customers will be affected.	High	A regional reuse system would increases associated jobs and/or GDP.	High	Potential/game changer to transition to reusable systems	High	Rethink/Reduce/Reuse	High	Can help to reduce packaging related waste from SF, MF and CI sources.	High	Targets both organic material (paper based packaging) and plastics.	High	Can demonstrable improvements in environmental performance (e.g., reduce littering and oceans plastics)	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Makes it easier for food sector to participate in a regional reuse programs	High	If reuse programs for the food service sector is established regionally, there will be improved opportunities for community building, social connection and peer-to-peer learning through all involved businesses.	High	Will demonstrate ability to shift behaviors to meet goals	Med	Would require extensive work, time and resources to asses, design and implement.	High	increases the ability to hold actors responsible (e.g., the food service sector) although it is likely to be voluntary	Med	no changes to transparency	High	consistency/harmonization assumed to come from regional program	Med	May involve engagement, but does not directly build new partnerships.	High	Has potential to increase connectedness of resources
1.4 Work with event organizers, businesses and institutions to increase reuse	ID056	Continue to scale up reuse drop-off at recycling and waste centres across the region.	High	Would increase availability of reusable items for people in the community to purchase at lower prices or no cost	High	More reusable products would be in the economic system that would need sorting/processing and keeps materials in use longer to be reused and resold rather than ending up in the landfill	Med	Could serve as incremental progress towards overall reuse goals	High	Focus on reuse - top of hierarchy	High	Assumes targeting textiles, food, construction and plastic	Med	Targets plastics reduction by encouraging product reuse (synthetic clothing, durable goods, etc)	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	Increases availability of reused items for purchase or no cost, but does not reduce systemic barrier directly as drop-off events are not accessible to many populations.	High	Increases convenience for residents to donate items	High	Will encourage a behaviour shift to reusing and donating items	High	Will require infrastructure but could be implemented in short term through coordination with existing donation centres	Med	No changes to ability to hold actors responsible for the action since this would be driven by Metro Vancouver and/ or member municipalities	High	Offers more opportunity to track reusable items in the waste management system if collected at MV drop-off sites	High	More options for drop-off across the region and makes sites more consistent	Med	May involve coordination with existing partners, but does not clearly expand or build new partnerships.	High	Has potential to increase connectedness of resources
1.4 Work with event organizers, businesses and institutions to increase reuse	ID084	Incentivize the commercial and institutional sector to implement refill/reuse systems.	High	A incentivizing can reduce the costs for industry to participate in reuse, refill and waste reduction	High	Incentivizing industry could result in more businesses being able to expand services and increase jobs/GDP	Med	incremental progress towards goals as industry will be able to improve services but there are no requirements to adopt refill/reuse systems.	High	Reuse, refill and waste reduction falls under rethink/reduce/reuse	Med	There is opportunity to target high tonnage material but this will likely reduce a small percentage of waste through small businesses.	High	Will likely target high reducing tonnage materials such as plastics.	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	This action does not address any systemic barriers.	High	Will improve access for businesses to increase refill/reuse efforts/initiative by reducing financial burden	High	This has the potential to foster community building, social connection and peer-to-peer learning through small businesses	High	Likely to support the shift in behaviours to meet goals related to waste reduction and reuse.	High	Relatively easy to implement in the next 0-5 years	Med	No changes in ability to hold actors responsible since it will be voluntary	High	There is opportunity to require data tracking through incentives.	High	This could increase consistency of reuse and refill services offered in communities.	High	Builds collaboration with commercial and institutional sectors to support change.	High	Has potential to increase connectedness of resources
1.4 Work with event organizers, businesses and institutions to increase reuse	ID053	Co-develop measures to improve the reuse experience for consumers with national plastics waste reduction organizations and retailers.	High	Potential to reduce costs of reuse for consumers if there are consistent measures and expectations for the experience.	Med	With a focus on measurement in this option it is unlikely there would be significant job creation.	High	This is a new idea for the region and co-developing measures is an innovative and progressive option for reuse.	High	Reuse focused.	Med	Overall improvement ot the reuse experience would decrease some plastic and paper waste but it is not expected to be significant.	Med	This option would target plastic and paper materials.	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Makes it easier for targeted sectors to participate in reuse programs	High	Will demonstrate ability to shift behaviors to meet goals through a focus on reuse.	High	Reuse focused programs and an increase in the experience promotes social connection and peer-to-peer learning.	High	Should be implementable in the next 0-5 years	High	With an introduction of co-developed measures, consistency in the region should increase.	High	No expected changes to transparency	Med	With an introduction of co-developed measures, consistency in the region should increase.	High	Builds partnerships with national organizations and retailers.	High	Increases connectedness of resources
1.4 Work with event organizers, businesses and institutions to increase reuse	ID165	Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.	Med	No significant change to cost assumed. It is a voluntary support program.	Med	Although events with zero waste approaches require more staffing, the overall impact on jobs/ GDP is not significant.	Med	improvement with incremental progress toward goals	High	Rethink/Reduce/Reuse as well as recycling	High	Targets high tonnage materials such as organics, plastics and paper.	High	Assuming food recovery and recycling is a major focus of this support program.	High	Demonstrable improvements in environmental performance (e.g. reduces oceans plastics from reusable food serviceware)	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Makes it easier for residents attending event to participate in reuse and recycling programs	High	Zero Waste Events provide opportunities for community building, social connection and peer-to-peer learning.	High	will help to shift behaviors to meet goals	High	Relatively easy to implement in the next 0-5 years	Med	No changes to ability to hold actors responsible for the action as this is a voluntary program.	Med	no changes to transparency	Med	No changes to consistency/harmonization assumed.	High	Builds collaboration across jurisdictions, event organisers, and food recovery networks to develop regional standards.	High	increases connectedness of resources
1.4 Work with event organizers, businesses and institutions to increase reuse	ID050	Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.	Med	some upfront costs for reusable ware systems (dishwashing, logistics) and food recovery infrastructure. Over time, cost savings from reduced single-use purchasing and landfill tipping fees.	High	increased material reuse and circular solutions generally increases jobs and/or GDP.	High	Helps to create new and more circular business models	High	Rethink/Reduce/Reuse	Med	Waste reduction potential depends on specific focus. Can target medium tonnage material and has potential to reduce a large percentage of the remaining waste. Assumed that initiatives will reduce event waste and food recovery from institutional waste.	Med	Targets both organics (food recovery) and plastics reduction but the tonnages diverted from landfilling may not be significant.	High	Prevents litter, reduces ocean plastics, and decreases methane emissions from wasted food.	Med	May help to to remove barriers experienced by people but is likely to have limited benefits since it will be restricted to only a few targeted locations.	High	Makes it easier for targeted sectors to participate in reuse programs	High	If reuse programs will be set up at institutions and at events there will be improved opportunities for community building, social connection and peer-to-peer learning	High	Will help to shift behaviors to meet goals	High	Relatively easy to implement in the next 0-5 years	Med	No changes to ability to hold actors responsible for the action since it is likely to be a voluntary program.	Med	no changes to transparency	Med	No changes to consistency/harmonization assumed.	High	Builds partnerships across multiple sectors and institutions.	High	Opportunity to increase capacity and markets
1.4 Work with event organizers, businesses and institutions to increase reuse	ID054	Evaluate the feasibility of a 'reuse mall' model.	High	Assuming that reuse opportunities will be expanded at no significant cost to residents. Donated goods will be sold to residents (not free)	Med	Increased material reuse and circular solutions generally increases jobs and/or GDP, but would be limited to one location.	High	Helps to create new and more circular business models. A successful example can be upscaled once concept is proven.	High	Rethink/Reduce/Reuse	Med	Reuse mall will reduce many reuseable materials going to disposal from the residential sector.	Med	Targets plastics reduction by encouraging product reuse (synthetic clothing, durable goods, etc)	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	No significant changes in convenience as one reuse mall would be established initially	High	Reuse mall will help to connect people and enhance community building, social connection and peer-to-peer learning.	High	Will demonstrate ability to shift behaviors to meet goals	High	Relatively easy to implement in the next 0-5 years	Med	No changes to ability to hold actors responsible for the action since this would be driven by Metro Vancouver and/ or member municipalities	Med	no changes to transparency	Med	No changes to consistency/harmonization assumed.	Med	May involve engagement, but does not directly build new partnerships.	High	Has potential to increase connectedness of resources
1.4 Work with event organizers, businesses and institutions to increase reuse	ID051	Support libraries to send surplus books for reuse and recycling through education.	High	Reduces costs for individual libraries to manage book surplus and will support book reuse	Med	Increased material reuse and circular solutions generally increases jobs and/or GDP, but the amount of reused books will not be significant to drive job creation.	Med	Potential to shift market to align "less good actors" (libraries) with existing and and already broadly implemented best practices (reuse before recycling)	High	Rethink/Reduce/Reuse	Low	Targets paper (book) materials that are low tonnage in the waste stream	Med	Targets organics (paper materials) but the tonnages diverted from landfilling may not be significant.	Med	Within regulatory limits.	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Makes it easier for libraries to participate in reuse and recycling of books	Med	This may be more about how libraries deals with excess books rather than how the community participates.	Med	As this action may be more about how libraries deals with excess books rather than how the community participates, limited impacts on behaviours are assumed	High	Relatively easy to implement in the next 0-5 years	Med	No changes to ability to hold actors responsible.	Med	no changes to transparency	High	Improves consistency/harmonization in waste management practices between libraries.	Med	May involve outreach but does not directly build new partnerships.	No change anticipated		

Assessment of Reuse Strategies and Actions

3.0 Reuse			1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17	
Strategy	**ID No.**	**Action Option**	Affordability	Assumptions	Economic Prosperity	Assumptions	Innovation	Assumptions	Circularity	Assumptions	Waste Reduction	Assumptions	GHG Emissions Reduction	Assumptions	Environmental Stewardship	Assumptions	Inclusivity	Assumptions	Convenience	Assumptions	Community Participation	Assumptions	Supports Waste Prevention Habits and Actions	Assumptions	Practicality of Implementation	Assumptions	Accountability	Assumptions	Transparency	Assumptions	Consistency / Harmonization	Assumptions	Collaboration	Assumptions	Resilience	Assumptions
3.5 Increase access to reuse, refill and repair	00060	Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.	High	A grant program can reduce the costs for small businesses to participate in reuse, refill and waste reduction	High	Providing grants to small businesses could result in being able to expand services and increase jobs/GDP	Med	Incremental progress towards goals as small businesses will be able to improve services but do not have the capacity that large business would have. As an example, the Vancouver Island Coast Economic Developers Association (VICEDA) in partnership with Synergy Foundation piloted the Circular Economy Accelerator Program and took 16 businesses through circularity assessments, identifying 734 circular opportunities - which, when adopted, can divert 288,844 kg of waste from landfill[1]. This is equivalent to 18 tonnes diverted per business. https://www.viceda.com/accelerator	High	Grant program for reuse, refill and waste reduction falls under rethink/reduce/reuse	Med	There is opportunity to target high tonnage material but this will likely reduce a small percentage of waste through small businesses.	High	Will likely target organics	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	This action does not address any systemic barriers	High	Will improve access for small businesses to reuse, refill and reduction efforts/initiative by reducing financial burden	High	This has the potential to foster community building, social connection and peer-to-peer learning through small businesses	High	Likely to support the shift in behaviour to meet goals related to waste reduction and reuse	High	Relatively easy to implement in the next 0-5 years	Med	No changes in ability to hold actors responsible since it will be voluntary	High	There is opportunity to require data tracking through the grant program although small businesses often lack the resources to do this	High	This could increase consistency of reuse and refill services offered in communities by reducing financial burden on small businesses	Med	May involve consultation with businesses, but does not directly build new partnerships.	High	Has potential to increase connectedness of resources
3.5 Increase access to reuse, refill and repair	00065	Research and trial additional ways to scale reuse and repair.	High	Scaling of reuse and repair should reduce overall costs to consumers.	High	Reuse and repair models are usually linked to an increase in jobs.	High	Scaling of reuse and repair systems in the region would be innovative and demonstrate progress towards overarching goals.	High	Reuse and repair focused.	High	Has potential to focus on higher tonnage materials such as plastics.	Med	Targets anthropogenic emissions	High	Demonstrable improvements in environmental performance (e.g. potential to reduce oceans plastics)	Med	This action does not address any systemic barriers	High	Scaling of reuse and repair systems should increase ability for residents to access options.	High	This can connect people through social connection and community building	High	Can help shift behaviour to waste reduction by scaling systems/making more accessible.	Med	Likely to take time to scale systems and trial options.	Med	No accountability component.	Med	No expected increase to transparency.	Med	Researching adn trialing of options is not expected to increase consistency in the near future.	Med	May involve consultation, but does not clearly build or expand partnerships.	High	Scaling reuse and repair systems in the community can increase local resources/knowledge and resiliance.
3.5 Increase access to reuse, refill and repair	00059	Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.	High	Depending on the level, and type, of support, costs may be reduced for participating in waste reduction work	Med	Likely to not have large impacts on GDP/jobs	Med	Supporting community based waste reduction can support incremental progress towards goals.	High	Supporting waste reduction falls under rethink/reduce/reuse.	Med	There is opportunity to target high tonnage material but this will likely reduce a small percentage of waste through community based organizations.	High	Will likely include organics which has significant GHG emissions associated with landfilling and composting.	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	This action does not address any systemic barriers	High	Should improve access for schools and organizations to reuse, refill and reduction efforts/initiative.	High	This has the potential to foster community building, social connection and peer-to-peer learning through schools and NGOs	High	Likely to support the shift in behaviour to meet goals related to waste reduction and reuse	High	Relatively easy to implement in the next 0-5 years	Med	No changes in ability to hold actors responsible since it will be voluntary	Med	There might be opportunity to improve tracking, but it is assumed most support will not focus on reporting as schools, NGO's and communities often lack the resources to do this.	High	This could increase consistency in actions among schools, NGOs in the community	High	Builds partnerships with schools, nonprofits, and community organizations.	High	Has potential to increase connectedness of resources
3.5 Increase access to reuse, refill and repair	00166	Support increasing the size, number and frequency of repair and reuse events around the region.	High	Assuming that repair and reuse events are at low / no cost to residents.	High	Increased material reuse and repair increases jobs and/or GDP.	High	Helps to create circular community models	High	Rethink/Reduce/Reuse	Low	Waste reduction potential depends on specific focus; assumed that initiatives will reduce materials that are low tonnage in the waste stream.	Med	Increase reuse would help avoiding the disposal of plastics and other materials.	Med	Social reuse and repair is unlikely to reduce dumping of materials significantly.	Med	No significant changes to impacts on barriers or access experienced by different groups/people	High	Makes it easier for residents to participate in reuse and repair programs	High	There will be improved opportunities for community building, social connection and peer-to-peer learning	High	Will help to shift behaviors to meet goals	High	Relatively easy to implement in the next 0-5 years.	Med	No changes to ability to hold actors responsible.	Med	No changes to transparency	Med	No significant change to consistency/harmonization across the region.	High	Involves collaboration with municipalities, community organizations, and reuse networks to scale up events.	High	Has potential to increase connectedness of resources
3.5 Increase access to reuse, refill and repair	00058	Facilitate more community-based solutions like buy-nothing groups and shared fridges.	High	Encouraging this behaviour should save residents money and increase the affordability of certain expenses.	Med	Limited direct GDP/job growth, but supports local sharing networks and may reduce household costs. Can indirectly stimulate circular social enterprises.	Med	Encourages alternative economic models based on sharing and gifting rather than consumption but likely limited in scope at helping meet overarching goals.	High	Focused on highest levels of the hierarchy.	Med	There is opportunity to target high tonnage material but this will likely reduce a small percentage of waste through these types of programs.	Med	Likely to reduce some anthropogenic emissions, but not significant GHG emission reduction.	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	High	Sharing fridges and buy-nothing groups provide access to food and goods at no cost, directly supporting low-income households and people experiencing barriers.	High	Community-based solutions have the opportunity to be very convenient for local residents.	High	Strong community-building benefits, fostering trust, social connection, and peer-to-peer support.	High	Likely to support the shift in behaviour to meet goals related to waste reduction and reuse	High	Should be able to be to facilitated through community grants, communications campaigns, and established partnerships with local groups. Can be implemented in 0–5 years.	Med	No changes in ability to hold actors responsible since it will be voluntary	Med	no changes to transparency	Med	No significant change to consistency/harmonization across the region.	Med	May involve engagement but unlikely to build new partnerships.	High	Strengthens community resilience by building local food and goods sharing networks that reduce reliance on external systems.
3.5 Increase access to reuse, refill and repair	00086	Work with multi-family buildings to increase donation collection options for reusable streams such as clothing and books.	High	Establishing more donation collection options can impact affordability by increasing quantity of items being donated and available at non-profits for purchase at a lower price.	Med	Likely to have low impact on jobs/GDP, if any.	Med	Incremental progress towards goals for reuse, but is rota game changer as donation already is happening in the region.	High	Increasing donation supports reuse.	Med	Likely to target some medium tonnage materials (e.g., clothing.)	Med	Increasing donations can reduce material landfilled and transportation emissions.	High	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	High	Can improve access to low cost items by increasing donations to NGO's in the region.	High	This will be more covenient for residents to donate items.	High	This can connect people through social connection and community building - creating a sense of community by supporting those in need in the area through donations	High	Can help shift behaviour to waste reduction by increasing donations.	Med	This could require significant effort to coordinate and implement.	Med	No changes to accountability as this would be a voluntary program.	High	There is opportunity to require data tracking through the grant program although the NGO's receiving the donated materials often lack the resources to do this	Med	Assuming this would not be a requirement for all MF buildings this would not increase consistency or harmonization across the region.	High	Involves collaboration with building managers and residents.	Med	Incremental improvements
3.5 Increase access to reuse, refill and repair	00061	Foster the development of a network that connects independently operated, non profit and community based reuse and repair initiatives.	High	Could reduce costs to industry by connecting industry to community initiatives.	Med	This would be an innovative approach to reuse and repair and would help meet goals.	High	This focuses on reuse and repair.	Med	Assuming this targets smaller scale initiatives and not overly high tonnage materials.	Med	Likely to reduce some anthropogenic emissions, but not significant GHG emission reduction.	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	This action does not address any systemic barriers	High	This would make it easier to connect industry to community based initiatives, ultimately making it easier for them to participated.	High	This would demonstrate improvements to community building, social connection, and peer-to-peer learning	High	Developing a reuse/repair network has the opportunity to shift behaviour to meet goals	Med	This would be a significant undertaking and would be feasible in 5-10 years	Med	No changes to accountability because there are no requirements for participation	Med	No changes to transparency because there are no reporting requirements as part of this	Med	No impact to consistency because there are no requirements for participation	High	Builds a collaborative network among community-based organizations.	High	Has potential to increase connectedness of resources
3.6 Scale efforts to recover food	00067	Maintain and scale the regional food recovery network.	High	Scaling the regional food recovery network can reduce food costs by increasing food recovery	High	Assuming as the recovery network scales up, this can result in increased jobs in the food recovery network.	Med	Not a new approach to meet goals although it can contibute to incremental progress by increasing the scale of the food network	High	Increases reduce and reuse through food recovery.	High	This action targets high tonnage material (organics).	High	Reducing food waste will reduce GHG emissions associated with reducing organics entering the landfill	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	High	Can reduce the barrier of access to fresh produce for low-income populations by recovering food and redistributing	Med	No major changes to convenience for the targeted sectors	High	Can foster a sense of community and social connection in the local communities.	High	Can help with shifting behaviour to meet goals of waste reduction and reuse	Med	This could require significant effort to coordinate and implement.	Med	No accountability component.	High	Depending on how this is scaled, there could be aspects of tracking food recovered which would increase accountability of food waste in the system	High	By expanding the food recovery network it would increase consistency across the region	High	Builds and strengthens partnerships across the food recovery network	High	Increases connectedness of resources
3.6 Scale efforts to recover food	00068	Continue to share results of food recovery initiatives across Metro Vancouver and look at ways to foster cross-department collaboration on food security.	High	This has the opportunity to increase affordability by increasing the availability of more affordable food	Med	No major impacts on jobs/GDP	Med	Not a new approach to meet goals although it can contibute to incremental progress by increasing food security	High	Focus is on food recovery/reuse/redistribution	High	Targets high tonnage materials	High	Reducing food waste will reduce GHG emissions associated with reducing organics entering the landfill	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	High	Can reduce the barrier of access to fresh produce for low-income populations by recovering food and redistributing	Med	No major changes to convenience for the targeted sectors	High	Can foster a sense of community and social connection in the local communities.	High	Can help with shifting behaviour around food waste to meet goals of waste reduction and reuse	High	Relatively easy to implement in the next 0-5 years	Med	No accountability component.	High	There is opportunity to include tracking food recovered which would increase accountability of food waste in the system	High	By expanding the food recovery in the region this action could increase consistency across the region	High	Encourages collaboration across departments and jurisdictions.	High	Increases connectedness of resources
3.6 Scale efforts to recover food	00069	Further map out food recovery assets/food waste solutions per stage of the food supply chain, including a focus on clarifying what foods can be donated to people and animals.	High	This has the opportunity to increase affordability by increasing the availability of more affordable food	High	Assuming as the recovery network scales up, this can result in increased jobs in the food recovery network.	Med	Not a new approach to meet goals although it can contibute to incremental progress by increasing the scale of the food recovery network	High	Focus is on food recovery/reuse/redistribution	High	Targets high tonnage materials	High	Reducing food waste will reduce GHG emissions associated with reducing organics entering the landfill	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	High	Can reduce the barrier of access to fresh food for low-income populations by recovering food and redistributing	Med	No major changes to convenience for the targeted sectors	High	Can foster a sense of community and social connection in the local communities.	High	Can help with shifting behaviour around food waste to meet goals of waste reduction and reuse	Med	This could require significant effort to coordinate and implement.	Med	No accountability component.	High	There is opportunity to include tracking food recovered which would increase accountability of food waste in the system. Also helps clarify what materials can be donated.	High	By expanding the food recovery network it would increase consistency across the region	Med	May involve consultation, but does not clearly build or expand partnerships.	High	Increases connectedness of resources
3.6 Scale efforts to recover food	00087	Work with industry experts and food related sectors to develop a practical guide to measuring and reporting food waste reduction efforts to facilitate development of a complete set of food recovery data for the region.	High	Having demonstrable food waste reduction efforts will link to improved affordability / reduction in costs.	Med	Depending on the scale, this could require more staff / experts to develop the guide in the short term. But generally this action is assumed to maintain the current level of jobs	High	Measuring of food waste reduction efforts has traditionally been challenging. This would require significant innovation amongst industry and has potential to have demonstrable progress	High	Waste reduction efforts are at the top of the hiearchy	High	Focuses on organics - higher tonnage material	High	Targets organics / food waste	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	No expected changes - not removing systemic barriers	Med	No expected changes to convenience for the general population	High	Collaboration would be needed between industry experts and the business community, offering peer-to-peer learning opportunities	High	Increased tracking and measurement can encourage behaviour change when results are more visible	Med	Could take some time to determine best approach through collaboration with industry experts and businesses. Development of the guide itself could be a short time frame	High	Increases to reporting would increase accountability of actors in the industry	High	Increased and better quality data and reporting increases transparency in the industry	High	A guide would provide a more standardized approach for industry and the community	High	Builds partnerships with industry experts and food sector stakeholders.	Med	Incremental progress as measuring and reporting doesn't significantly increase resiliency for the future populations
3.6 Scale efforts to recover food	00071	Work toward getting a complete set of food recovery data for the region, and consider incentives to encourage reporting.	Med	Working towards getting food recovery data will not impact affordability itself.	Med	No major impacts on jobs/GDP	High	Tracking food recovery data has significant potnetial to meet goals by providing a better understanding of food recovery in the region and where there is room to grow	High	Focus is on food recovery/reuse/redistribution	Med	Reporting will not have a major impact on waste reduction, rather the actions that this supports will have a larger impact	Med	Reporting will not have a major impact on GHG emissions reduction, rather the actions that this supports will have a larger impact	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	Gathering food recovery data does no impact systemic barriers	Med	If incentives are provided to encourage reporting it may make it easier for the sector to participate	Med	Gathering food recovery data will not have a significant impact on community building and social connection	High	Providing incentives can encourage behaviour change in the food recovery network	Med	This would take significant work to get the incentive program up and get businesses to report (5-10 years)	Med	No accountability component.	High	Tracking food recovery will provide more insight and information on the system	Med	Tracking data won't have significant impacts on consistency and harmonization	Med	May involve consultation, but does not clearly build or expand partnerships.	High	Having better data on the food recovery network will increase connectedness and an understanding of the system
3.7 Encourage and celebrate residents and businesses that prioritize reuse and refill practices	00078	Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.	High	Reuse and refill programs have the opportunity to reduce costs for residents, as well as businesses once established.	Med	Not expected to create jobs, but should maintain.	High	Potential to be a significant game changer, shifting to reusables and targeting specific sectors.	High	Focuses on prevention and the higher levels of the hierarchy.	High	Targets high tonnage material through packaging such as paper and plastic.	Med	Reduces anthropogenic emissions	High	Demonstrable improvements to environmental stewardship are possible through the significant reduction in packaging and litter opportunities.	High	May remove barriers to participating in waste reduction for specific sectors and/or demographics.	High	Convenience should increase through program development, making it easier for specific sectors to participate in waste reduction.	High	Education and promotion is a big component to this action which brings the community together and encourages peer-to-peer learning.	High	Demonstrable ability to shift behaviour change to reach goals through increased prevention/reduction/reuse	Med	Would require some moderate infrastructure changes for businesses and larger education campaigns.	Med	No changes to accountability.	High	Promotion of reuse programs does increase system transparency by highlight the opportunities for avoiding waste and reducing packaging tonnage ending up in landfill.	High	Increases consistency if promoted through programs and education across jurisdictions.	Med	Education may support engagement indirectly, but the action itself doesn't guarantee new partnerships.	High	Reuse improves resiliency and encourages a more local system overall. Not reliant on external packaging producers and can share containers amongst the community.
3.7 Encourage and celebrate residents and businesses that prioritize reuse and refill practices	00076	Provide education for residents on affordable actions they can take to prevent waste through everyday activities.	High	Increasing residents' awareness of affordable actions to reduce waste. Should increase affordability fo residents.	Med	No anticipated impact to prosperity / jobs	Med	Will lead to incremental progress by increasing waste reduction behaviours. But not expected to be a game changer as resident actions are not always based on cost/affordability.	High	Focused on actions to prevent waste.	High	Assumption that some of these actions are focused on high tonnage materials such as organics and plastics.	High	Assumption that some of these actions are focused on organics.	High	Has potential to demonstrate higher environmental performance through reduced use of harmful products and single use items	High	Has potential to remove social barriers and access depending on education and program delivery techniques.	High	Could make it easier for residents to participate in waste prevention.	High	This action would support community building, social connection and peer-to-peer learng.	High	Can help with shifting behaviour to meet goals of waste prevention.	High	This could at least begin in the next five years.	Med	No accountability component.	Med	No changes to transparency	Med	No changes to consistency/harmonization.	Med	May involve outreach, but does not clearly build new partnerships.	High	Increases connectedness of resources and understanding of local options.
3.7 Encourage and celebrate residents and businesses that prioritize reuse and refill practices	00077	Promote bring your own cups, bags and other reusable items, including fun new elements and co-developed messaging that resonates with a residents with a diversity of cultures and values.	High	Having residents participate in reuse programs should eventually increase affordability.	Med	No anticipated impact to prosperity / jobs	Med	Incremental progress, but somewhat socially innovative.	High	Education will focus on reuse and highest levels of the hierarchy.	Med	Has potential to focus on some higher tonnage materials but programs not likely to be that effective at targeting that much of the material.	Med	Benefits from avoided single-use production and reduced disposal: Impact depends on adoption rates and durability of reusables.	High	Has potential to demonstrate higher environmental performance through reduced use of harmful products and single use items	High	Removes language and social barriers to certain populations participating in waste reduction programs. Messaging co-developed with diverse cultural groups ensures accessibility.	High	Could make it easier for targeted populations to participate in programs	High	Campaigns and events can engage residents directly, fostering cultural pride and peer-to-peer participation.	High	Education can greatly encourage waste prevention habits and actions for a specific population	High	Could be implemented relatively quickly / within 5 years	Med	No changes expected	Med	No changes to transparency expected	High	Regional campaign with unified messaging reduces confusion and creates a shared culture of reuse.	High	Involves co-developing messaging, which builds partnerships with community and cultural groups.	High	Reaches more residents and greater community participation and knowledge
3.7 Encourage and celebrate residents and businesses that prioritize reuse and refill practices	00089	Develop and implement an annual recognition program to celebrate businesses in the region for reuse, refill, and repair programs and initiatives.	Med	No significant change to cost assumed. It is a voluntary support program.	Med	Unlikely to direct correlate to increased jobs or GDP.	High	Innovation is celebrated through this action option.	High	Reuse, refill and repair emphasis.	Med	Waste reduction potential depends on specific focus.	Med	Targets plastics reduction by encouraging product reuse, repair and sharing (e.g., durable goods, appliances, etc)	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	No major changes to convenience from the option	High	Businesses with community participation would be celebrated (e.g. successful sharing models)	High	Focus on reuse, refill and repair programs and initiatives.	High	This could be implemented in the next 0-5 years	Med	No accountability component.	High	Businesses would need to submit data on performance in order to qualify for an award.	Med	No changes to consistency/harmonization.	Med	May involve outreach, but does not clearly build or expand partnerships.	High	Celebrates solutions that can increase connectedness of resources

Assessment of Recycle Strategies and Actions

4.0 Recycle			1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17	
Strategy	ID No.	Action Option	Affordability	Assumptions	Economic Prosperity	Assumptions	Innovation	Assumptions	Circularity	Assumptions	Waste Reduction	Assumptions	GHG Emissions Reduction	Assumptions	Environmental Stewardship	Assumptions	Inclusivity	Assumptions	Convenience	Assumptions	Community Participation	Assumptions	Supports Waste Prevention Habits and Actions	Assumptions	Practicality of Implementation	Assumptions	Accountability	Assumptions	Transparency	Assumptions	Consistency / Harmonization	Assumptions	Collaboration	Assumptions	Resilience	Assumptions
4.1 Promote design for recyclability and the use of recycled content in products and packaging	D112	Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.	High	Overcoming barriers to including recycled content could stimulate the economy and create more products, reducing costs.	High	Overcoming barriers to including recycled content could stimulate the economy, creating more jobs.	High	This would be encouraging more circular business models in an attempt to make progress towards goals.	High	Circular business models with a focus on recycling and reuse.	High	Could include a focus on higher tonnage materials like plastic and C&D waste (wood and plastic).	Med	Potential to reduce anthropogenic emissions.	High	Opportunity to reduce other environmental impacts such as water use and unnecessary landfilling. Measurement options could go much beyond waste impacts.	Med	No changes to system barriers.	Med	No changes in convenience.	High	Considers partnerships with many stakeholders, including community groups.	High	There is a reuse focus and encouraging more circular business models by overcoming current industry barriers.	Med	Although research could be done immediately, it is expected it will take some time to overcome industry barriers and develop solutions.	Med	No accountability component.	High	Overcoming barriers and developing solutions for reuse and recycled content can increase transparency of materials and use in the relavent sectors.	High	Working with varying stakeholders across the region can ultimately result in an increase in consistency for the relevant sector (e.g., overcome barriers for construction using recycled content).	High	Explicitly focused on building and enhancing partnerships.	High	Increasing the ability to reuse and include recycled content in products increases market and industry resilience.
4.1 Promote design for recyclability and the use of recycled content in products and packaging	D113	Work with national plastics waste reduction organizations and others to understand and address barriers to increased recycled content in plastic products and packaging.	High	Overcoming barriers to including recycled content could stimulate the economy and create more products, reducing costs.	High	Overcoming barriers to including recycled content could stimulate the economy, creating more jobs.	High	This would be encouraging more circular business models in an attempt to make progress towards goals.	Med	Circular business models with a focus on recycling.	High	Includes a focus on higher tonnage material, plastic.	Med	Potential to reduce anthropogenic emissions.	High	Opportunity to reduce other environmental impacts such as water use, reduction in litter, reducing the need for natural resources, and unnecessary landfilling.	Med	No changes to system barriers.	Med	No changes in convenience.	High	Significant opportunity for peer-to-peer learning with national organizations and industry experts.	Med	Mainly focused on recycling.	Med	Although research could be done immediately, it is expected it will take some time to overcome industry barriers and develop solutions.	Med	No accountability component.	High	Overcoming barriers and developing solutions for recycled content can increase transparency of materials and use in the relavent sectors.	High	Working with national organisations and experts can ultimately result in an increase in consistency for the plastics industry, locally and nationally.	High	Builds partnerships with organizations and other stakeholders.	High	Increasing the ability to include recycled content in products increases market and industry resilience.
4.1 Promote design for recyclability and the use of recycled content in products and packaging	D109	Research and advocate for improvements to the recyclability of plastic-lined paper products such as coffee cups.	Med	No significant cost impacts assumed from work to advance recycling of materials.	High	Assuming positive impact on jobs/ GDP from increased recyclability.	Med	This is a not a game changer and would lead to incremental progress toward goals.	Med	Improved material recycling	Med	Waste reduction potential depends on specific focus.	Med	Targets packaging and plastics reduction.	High	Advocacy efforts are likely to focus on improved stewardship and improved recyclability.	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Research and findings can help to make it easier for targeted sector(s) to participate in solid waste management services and programs.	Med	No direct benefits on connecting people through services and programs delivered	Med	Still likely to focus on recycling and less about waste prevention	High	This could be implemented in the next 0-5 years	High	Can have positive impact on accountability if dealt with by senior governments	High	Can have positive impact on transparency if dealt with by senior governments	High	Can have positive impact on consistency/harmonization if dealt with by senior governments	Med	Advocacy and research may involve consultation, but does not clearly build or expand partnerships.	Med	No change anticipated
4.1 Promote design for recyclability and the use of recycled content in products and packaging	D111	Support recycling markets by purchasing recycled products including compost.	High	Stimulating the recycling market should ultimately reduce prices of recycled materials. Increase demand and encourage recycled content.	High	Increasing recycling design and content should help create jobs, especially if encouraged locally (e.g., composts).	High	This would be encouraging more circular business models in an attempt to make progress towards goals.	Med	Although circular business models, most of the focus is on recycling.	High	Could include a focus on high tonnage materials like organics (composting).	High	Could include a focus on organics, such as composting.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No changes to system barriers.	Med	No changes in convenience.	Med	No direct benefits on connecting people through services and programs delivered	Med	Still likely to focus on recycling and less about waste prevention	High	This could be implemented in the next 0-5 years with improvement changes for certain items such as compost.	Med	No accountability component.	Med	No changes to transparency	Med	No changes to consistency/harmonization.	Med	May support market development, but does not clearly build new partnerships.	High	Increases connectedness to local resources.
4.1 Promote design for recyclability and the use of recycled content in products and packaging	D110	Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.	Med	No significant cost impacts assumed from work to advance reuse and recycling of materials.	High	Increased material reuse and recycling (concrete and asphalt) would help increase jobs and/or GDP.	High	If successful this would be a game changer to advance circularity.	High	Material reuse and recycling of concrete and asphalt would help to advance circularity.	Med	This action targets concrete and asphalt. Concrete is not commonly landfilled currently and asphalt makes up 6% of C&D waste as shingles and tar/gravel roofing.	Med	Does not target organics or plastics. Can anticipate reduced GHG emissions for recycled aggregates results from generally shorter transportation distances (refer to Asphalt and Concrete Opportunities review by Stantec)	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No changes to system barriers.	Med	No changes in convenience.	Med	No direct benefits on connecting people through services and programs delivered	Med	Still likely to focus on recycling and less about waste prevention	High	This could be implemented in the next 0-5 years	High	No accountability component.	Med	No changes to transparency	Med	No changes to consistency/harmonization.	Med	Builds and maintains partnerships with engineering and construction sectors.	High	Increases connectedness to local resources.
4.2 Enhance EPR programs	O116	Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets and challenging materials such as mattresses	High	MV's affordability should increase since cost to manage these materials should be covered by the producer. However, it should be noted the affordability for users of the products will decrease.	High	More materials covered under EPR should stimulate recycling and increase jobs.	Med	Adding new materials to be covered under EPR would definitely help meet goals, but this is only an expansion to an already existing program.	Med	EPR's prime focus is recycling, however there may some influence on overall design of products.	High	Targeting high tonnage material, especially in the CI sector.	Med	Most likely to reduce anthropogenic emissions eg. targeting plastics	High	Demonstrable improvements in environmental performance through EPR policy and reporting requirements	Med	No changes to system barriers.	High	EPR programs can show improvements to convenience	Med	No direct benefits from EPR on connecting people through services and programs delivered	Med	Although MV will advocate for EPR programs to move to higher levels of the hierarchy, continued focus will be on recycling.	High	Identifying additional materials and advocating can occur in the next five years. However, the addition of materials to the list would likely take longer.	High	The action increases ability to hold actors responsible to achieve goals through reporting.	High	Assuming improvements in obtaining more information about what happens to materials	High	EPR programs provide consistency across the region.	Med	Advocacy may involve consultation but does not clearly build or expand partnerships.	High	Additional recycling markets and programs should increase diversity of local services and infrastructure.
4.2 Enhance EPR programs	O118	Advocate for full funding of producer responsibility programs and the expansion of residential-only programs to small businesses.	High	MV's affordability should increase since cost to manage these materials should be covered by the producer. However, it should be noted the affordability for users of the products will decrease.	High	More materials covered under EPR should stimulate recycling and increase jobs.	Med	Adding small businesses to be covered under EPR would help meet goals, but this is only an expansion to an already existing program.	Med	EPR's prime focus is recycling, however there may some influence on overall design of products.	High	Targeting high tonnage material.	Med	Most likely to reduce anthropogenic emissions eg. targeting plastics	High	Demonstrable improvements in environmental performance through EPR policy and reporting requirements	Med	No changes to system barriers.	High	EPR programs can show improvements to convenience	Med	No direct benefits from EPR on connecting people through services and programs delivered	Med	Focus will be on recycling.	High	Advocating can occur in the next five years.	High	The action increases ability to hold actors responsible to achieve goals through reporting.	High	Assuming improvements in obtaining more information about what happens to materials	High	EPR programs provide consistency across the region.	Med	Advocacy may support collaboration indirectly with regulators and stewardship organizations, but the action itself doesn't guarantee new partnerships.	High	Additional recycling markets and programs should increase diversity of local services and infrastructure.
4.2 Enhance EPR programs	O119	Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.	Low	Increased collection of materials, especially curbside, will increase costs.	High	Increased collection and recycling should create jobs.	High	Increased collection and recycling of more materials will require new systems to be in place and help improve ability to meet goals.	Med	Recycling level of the hierarchy.	High	Focuses on higher tonnage items such as different types of plastic.	Med	Targets plastic / reduces anthropogenic emissions.	High	Has potential to reduce the amount of plastics ending up in the environment as waste.	Med	No major impact on systemic barriers	High	Direct collection of more materials could significantly improve convenience for residents.	Med	No expected changes to community building.	Med	Since this is focused on recycling, no expected changes to behavioural based reduction or waste prevention.	Med	Significant infrastructure improvements are likely required with education campaigns to support programs.	Med	Increases accountability of certain materials being collected for recycling and which actors are responsible for the sorting and collection.	High	Increased ease in tracking data due to more recycling programs being available and material collection increasing.	High	Significant ability to harmonize collection programs across the region and have the same materials collected in all communities.	High	Advocacy may support collaboration indirectly with haulers and stewardship organizations, but the action itself doesn't guarantee new partnerships.	High	Additional recycling programs for materials increases resiliency through a more closed loop system.
4.2 Enhance EPR programs	O121	Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.	Med	Assumes no impact on affordability. The cost to retailers or civic spaces are not assumed to be minor and not passed down to consumers / residents	Med	Incremental improvements to recycling is not likely to increase jobs/ GDP significantly.	Med	Not likely to be gamechanger and drive innovation.	Med	Action helps to improve recycling.	High	Likely to reduce PPP from being disposed from SF and MF sectors. Assumes that all large retailer have to participate. No available info from London Drugs on what they collect from customers (nor in Recycle BC report)	Med	Avoided disposal will include paper and plastics. Can be medium- high	High	If retailers are required to accept packaging, this is an improvement to accountability.	High	Mobile options will make it more accessible for residents.	High	Makes it easier for residential sector to participate in recycling.	High	With more retailers and civic locations as collection points, there will be improvements to social connection	Med	Focus on recycling.	High	Civic spaces is easier to implement. Many retailers may resist and not have the space.	High	The action increases ability to hold actors responsible to achieve goals.	Med	Not assumed to provide more information about what happens to materials	High	If retailers are required to provide collection, it will demonstrable improvements to consistency/harmonization	Med	Advocacy may support collaboration indirectly with municipalities and stewardship agencies, but the action itself doesn't guarantee new partnerships.	High	Increases capacity of and diversifies access to waste management infrastructure and services.
4.2 Enhance EPR programs	O120	Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to prevent "what goes where" confusion.	Med	Assumes no impact on affordability. The costs of increased labeling requirements are not assumed to be minor and not passed down to consumers	Med	Incremental improvements to recycling is not likely to increase jobs/ GDP significantly.	Med	Not likely to be gamechanger and drive innovation.	Med	EPR program improvement relates to recycling.	High	With a plastics focus, improved labeling would help reduce PPP from being disposed.	Med	Avoided disposal will include paper and plastics, but likely not to impact significant tonnage in the near future.	High	Demonstrable improvements to the system through consistency in EPR programs, labelling requirements, and enforcement of greenwashing regulations.	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Makes it easier for residential and non-residential sectors to properly participate in recycling.	Med	No changes to community building, social connection and peer-to-peer learning	Med	This initiative is expected to mainly focus on improve recycling and clarity around recycling. Opportunity for a combined focus on prevention.	Med	This could be implemented in the next 0-5 years. The changes to EPR regulation would take longer.	High	The action increases ability to hold actors responsible to achieve goals	High	Should improve clarity around what can and can't be recycled for residents.	High	EPR generally helps to improve consistency in recyclability and education on how to recycle	Med	Advocacy may support collaboration indirectly with regulators and industry, but the action itself doesn't guarantee new partnerships.	High	Improves on existing infrastructure to support a growing population
4.2 Enhance EPR programs	O064	Encourage collection programs which reduce barriers for recycling large items	High	Reducing barriers for recycling large items could include making it more affordable for residents.	Med	Likely to not have large impacts on GDP/jobs	High	Potential to transition to new programs or enhanced programs for the community and residents.	Med	Recycling focused.	Med	Targets medium tonnage materials.	Med	Likely to reduce some anthropogenic emissions but not significant GHG emission reduction.	Med	Environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	High	This action targets reducing barriers for recycling large items.	High	This will make it more convenient to recycle large items.	High	The focus is on recycling.	High	Encouraging collection programs to implement this action will not require significant effort. Assuming this is not focusing on whether	Med	No changes to ability to hold actors responsible for the action since this would be driven by Metro Vancouver and/ or member municipalities	High	Offers more opportunity to track recycling large items in the waste management system if collection programs make it easier to participate.	High	There is no requirement for member municipalities to implement this program.	Med	May involve engagement but does not directly build new partnerships.	Med	Limited impact on resiliency.
4.2 Enhance EPR programs	O117	Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.	Med	Assumes no significant changes to affordability with continued participation.	Med	No change to GDP or jobs expected with continued participation in stewardship programs.	Low	Already occuring (status quo).	Med	Although MV will advocate for improvements, continued focus will be on recycling.	High	May target high volume materials	Med	Most likely to reduce anthropogenic emissions eg. targeting plastics	Med	Minimal improvements expected but within regulatory limits.	Med	No changes to system barriers.	High	Improvements to Stewardship programs has potential to increase convenience.	Med	No direct benefits from EPR on connecting people through services and programs delivered	Med	Although MV will advocate for programs to move to higher levels of the hierarchy, continued focus will be on recycling.	High	This could be implemented in the next 0-5 years	High	The action increases ability to hold actors responsible to achieve goals through Stewardship program improvements.	High	Assuming improvements in obtaining more information about what happens to materials	High	Stewardship program advancements should improve consistency and harmonization.	High	Involves ongoing collaboration with stewardship organizations and provincial partners.	Med	No change anticipated
4.3 Encourage the development of new recycling infrastructure	O044	Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, carpet and plastic-lined paper.	High	MV's affordability should increase since materials have additional management options and potential government funding.	High	More recycling options should stimulate recycling markets and increase jobs.	High	This would be an innovative solution for hard to manage materials that contributes to goals.	Med	Prime focus is recycling, however there may some influence on overall design of products.	High	Targeting high tonnage material such as organics and plastics.	High	Has opportunity to target organics.	High	Demonstrable improvements in environmental performance with increased recycling options for hard to manage products.	Med	No changes to system barriers.	High	Additional recycling programs can show improvements to convenience	Med	No direct benefits on connecting people through services and programs delivered	Med	Although MV will advocate for higher levels of the hierarchy, continued focus will be on recycling.	High	Likely substantial resourcing and time will be required to advocate for additional funding and improved infrastructure and programming.	High	The action increases ability to hold actors responsible to achieve goals through reporting.	High	Assuming improvements in obtaining more information about what happens to materials and recycling options.	High	Additional programs and infrastructure could provide consistency across the region.	Med	Advocacy may involve consultation but does not clearly build or expand partnerships.	High	Additional recycling markets and programs should increase diversity of local services and infrastructure.
4.3 Encourage the development of new recycling infrastructure	O122	Identify gaps in organics collections programs and work collaboratively to implement or improve existing collection and processing programs.	High	Implementation of new programs or improvement on existing programs is expected to increase affordability by increasing efficiency of systems and scale of organics processing.	High	Increasing existing collection and processing programs has the potential to add jobs	Med	Not a net new idea that is expected to provide incremental improvements	Med	Organics collection and processing focuses on composting	High	Organics targets high tonnage materials	High	Targets organics	High	Improves soil health with compost, supports biodiversity, and reduces pollution from landfill leachate and methane.	Med	No changes expected	High	This will make it easier for more actors to participate in source separation of organics	Med	No big changes to community building, social connection or peer-to-peer learning	High	This would result in behaviour change as more sectors would be able to source separate organics	Low	Could require significant changes such as the addition of facilities/infrastructure	High	If programs are improved and more sectors are required to separate organics it would increase accountability	High	With increased processing programs and collection this has the potential to increase transparency on where organics are being processed and handled in the system	High	This would increase consistency of who has access to organics collection across the region	High	Builds partnerships with member jurisdictions and service providers to improve systems.	High	Additional processing and/or optimized processing should improve local resiliency of systems.
4.3 Encourage the development of new recycling infrastructure	O123	Explore opportunities to facilitate the siting of private sector recycling activities.	Med	No changes to affordability expected.	High	Potential for an increase in local jobs with increased recycling facilities in the region.	High	This is a not a game changer and would lead to incremental progress toward goals.	Med	Mainly focused on recycling.	High	Has the potential to target high tonnage material such as organics or plastics.	High	Has potential to target organics.	Low	Possibility the new facilities could degrade the environment through pollution such as micro plastics or light or noise pollution.	Med	No changes expected	High	With increased capacity for recycling locally, it may be easier to find recycling options and processing.	Med	Unlikely to have significant community participation.	Med	Perhaps a slight potential, but more of a focus on increased recycling opportunities across the region.	Med	May need five or more years to facilitate the construction of new facilities and even longer to have the facilities operational.	High	Facilities can be approved and constructed with mandatory site requirements and reporting.	High	Increased use of local recycling options would assist in tracking of material through the region and understanding of how the material is being processed.	High	Additional local facilities could offer harmonization opportunities for material to be handled locally.	Med	May involve consultation or support, but does not clearly build or expand partnerships.	High	Additional local facilities improves ability to handle and process material within the region. Reduces need on outside facilities or markets.
4.3 Encourage the development of new recycling infrastructure	O124	Convene recycling industry members get their perspective on how to continue to maintain and increase recycling infrastructure that services the region.	Med	No expected impact to affordability as this is hosting industry meetings	Med	Unlikely to direct correlate to increased jobs or GDP.	Med	This is a service improvement with incremental progress toward goals	Med	Since this is focused on recycling infrastructure, this targets the recycling level of the hierarchy	High	Has potential to focus on organics (recycling)	High	Has potential to target organics	Med	No expected impact	Med	No expected impact	High	Has potential to increase convenience for industry with the increase of recycling infrastructure in the region	High	Bringing together industry and developing relationships through peer-to-peer learning	Med	Not likely to have a huge impact on behaviour change since mainly discussing infrastructure	High	Could likely start in the shorter term as doesn't need many resources to initiate	Med	No expected changes to accountability	High	Has potential to increase transparency of system for industry. Communication of the system and where materials are being processed etc. could provide clarity for industry anyways)	High	Has ability to increase consistency across the region when considering infrastructure	High	Builds partnerships with industry stakeholders.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population (not directly in the short term anyways)
4.4 Improve participation in green bin programs and alternatives for multi-family residents and businesses	O126	Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.	High	Opportunity to increase affordability with increased organics collection and recycling options. Will reduce landfilling fees.	High	Opportunity to increase jobs associated with organics technology and pilots.	High	Significant opportunity to meet goals since organics is such a large part of the waste stream and the CI sector is largest sector.	Med	Focused on recycling (composting)	High	Huge potential with the focus being on organics and the largest sector, CI.	High	Targets organics	Med	Within regulatory limit.	Med	No change expected	High	Opportunity for peer-to-peer learning and social connection through pilot programs.	Med	Opportunity for peer-to-peer learning and social connection through pilot programs.	High	Research and pilots could begin in the next five years. However, advanced implementation will likley take longer.	High	Could improve accountability through pilot programs and reporting that coincides with introduction of additional organics recycling.	High	Would help to improve understanding of organic material flow in the CI sector through research and pilots.	High	Eventually would work towards harmonization and consistency of CI programs for organics.	Med	May involve consultation or trials, but does not clearly build or expand partnerships.	High	Builds and maintains partnerships with engineering and construction sectors.	High	Increases connectedness to local resources.
4.4 Improve participation in green bin programs and alternatives for multi-family residents and businesses	O125	Review provision of green bins for non-residential properties and work collaboratively to increase participation in non-residential organics programs.	High	A green bin program for some smaller non-residential properties may be a lower cost option to individual contracts with collectors and can be more affordable.	Med	Unlikely to have significant impact on jobs or GDP	Med	Service improvement with incremental progress toward goals	Med	Focused on recycling (composting)	Med	Targets compostable organics in CI waste, however only smaller non-residential properties (smaller generators) may be targeted.	High	Targets organics	Med	Within regulatory limit.	Med	May enable smaller low or no-profit organizations to access the service, but not directly impacting systemic barriers.	High	May improves access, or make easier to participate, for specific non-residential properties.	Med	No changes to community building, social connection and peer-to-peer learning	Med	Not a direct driver for waste prevention since this is focused on recycling/ composting	High	This could be implemented in the next 0-5 years. The actual implementation could take longer if municipal programs don't have acapacity to expand to include non-residential.	High	Increased accountability through more non-residential properties getting green bin collection.	High	Through additional green bin service, transparency of organic material may increase across the on-residential sector.	High	Unlikely to provide harmonization across the region, but is likely to improve consistency with services provided to residents.	High	Involves collaboration with member jurisdictions and service providers.	Med	No change anticipated
4.4 Improve participation in green bin programs and alternatives for multi-family residents and businesses	O128	Determine what role, if any, compostable plastics can play in organics management system.	High	Having clear expectations and rules regarding compostable plastics will help reduce contamination and provide clarity for residents. Reduction of contamination should reduce	Med	No significant changes to jobs expected. Some research questions might be available but once rules are determined, no increase in jobs expected	Med	Potential to shift market to align "loss good actors" with existing and and already broadly implemented best practices	Med	Focusing more on recycling level of hierarchy through composting	Low	Compostables plastics are a low tonnage material.	Med	Has potential to reduce process emissions but not labeled high since it doesn't specifically target true organics for diversion.	Med	Potential to have demonstrable improvements to the system by reducing contamination and single use items, but very limited in tonnage or material amount.	Med	No change expected	Med	Since MV already has a strong stance on compostable plastics, continuing this work and further clarifying their position and setting expectations at facilities will not impact convenience from	High	MV has the ability to shift behaviours in the industry based on their facility rules and expectations on compostable plastics	High	Should be able to be maintained and further research conducted (if deemed required) in the very near future	High	Requires stakeholders and industry to be more accountable for the products they make with clear expectations and rules around compostable plastics in the region / at facilities	High	MV clearly setting rules and expectations for compostable plastics increases transparency of the system and makes it more clear for residents on what is accepted or not	High	With clear rules at the regional facilities, this increases harmonization across the region	High	May involve research and consultation, but does not clearly build new partnerships.	Med	Shorter-term solution or incremental progress for facilities having a standard approach for compostable plastics. Not expected to have a significant impact on
4.4 Improve participation in green bin programs and alternatives for multi-family residents and businesses	O127	Continue to provide tools and tips to residents to reduce odours and "yuck factor" with green bins.	Med	Education on odours with green bins will not impact affordability.	Med	Unlikely to direct correlate to increased jobs or GDP.	Low	Already occuring (status quo).	Med	Focuses on composting/recycling.	High	Focuses on a high tonnage material (organics).	Med	Will not impact GHG emissions as this ation focuses on education and reducing "yuck factor" for residents.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	No impact on convenience for participating in the waste system.	Med	No changes to community building, social connection and peer-to-peer learning	High	There is opportunity to build social connection and peer-to-peer learning by increasing willingness to use green bin by reducing the "yuck factor"	High	This could be implemented in the next 0-5 years.	Med	No significant changes to transparency.	Med	It is assumed that this would not have a big impact on consistency/harmonization	Med	May involve collaboration with municipalities, but does not require partnerships.	Med	No changes to resiliency.
4.5 Make recycling easier and more effective by reducing confusion and improving convenience	O142	Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.	Med	No direct impact on residents or sectors.	High	May support circular economy by improving participation and reducing contamination.	High	Use technology such as AI to enhance recycling activities and reduce contamination.	High	Supports higher hierarchy actions by guiding users toward reuse and repair options.	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste. Will focus on how to source separate PPP and organics as key items where residents are confused.	High	Likely to target organics and therefor opportunity to have a big impact on GHG emissions.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	High	Should improve communication with clear instructions for residents with challenges to understand current system. Can be designed to reach diverse communities, especially if developed in multiple languages and accessible formats.	High	Expected to improve convenience by providing instant communication with clear, multilingual instructions.	Med	No changes to community building, social connection and peer-to-peer learning	Med	Opportunity to support waste prevention into behavior through accessible digital tools.	Med	Assumes that collaboration with important partners is possible within 0-5 years	Med	No changes to accountability. This will not hold actors more accountable than existing system.	Med	Will provide more information about what happens to materials and/or aspects of the the solid waste management system in the region	High	Builds partnerships with communications teams, educators, and community organizations to co-develop content.	Med	No impact on ability to handle future threats and sudden changes to the system
4.5 Make recycling easier and more effective by reducing confusion and improving convenience	O151	Improve access to textile donation and recycling collection services.	High	By increasing access to textile donation there will be more used items on the market at a lower cost	High	Increased textile reuse and recycling may help increase jobs and/or GDP.	High	Increased collection, reuse and recycling of textiles will require innovative systems to be in place.	High	This covers reuse and recycling	Med	This covers textiles which is a medium tonnage material	Med	Targets plastic / reduces anthropogenic emissions.	High	Has the potential to reduce the mount of textiles ending up in the waste stream.	Med	No major impact on systemic barriers	High	Improving access to donation and recycling services will improve convenience.	Med	No expected changes to community building.	Med	This can impact behaviour change around textile reuse and recycling.	Med	It would require moderate changes to improve access to donations and recycling collection.	High	Increases accountability of certain materials being collected for recycling and which actors are responsible for the sorting and collection.	High	Increased ease in tracking data due to more collection programs being available.	Med	There is some opportunity to harmonize collection but no specific aspect seems like will be implemented in all communities.	High	Involves collaboration with the textile sector.	High	Additional collection programs for materials increases resiliency through a more closed loop system.
4.5 Make recycling easier and more effective by reducing confusion and improving convenience	O140	Support knowledge sharing of space and access requirements for multi-plex units (6 units or less).	High	Potential to reduce costs for multi-plex units with additional knowledge sharing and ideas for space savings or more efficient use.	Med	Unlikely to direct correlate to increased jobs or GDP.	Med	Potential to have slight improvement with incremental progress.	Med	Main focus is on recycling level of the hierarchy.	High	Could improve source separation collection and improved efficiency of material recycling.	High	Could include a focus on organics collection and recycling.	Med	Within regulatory impacts	Med	No big impact on systemic barriers rather it will impact convenience	High	Potential to increase convenience for collection and use of space.	Med	Not an overall focus on reduction or reuse so little impact expected for behaviour change.	High	Should be able to be completed in the next five years through knowledge sharing.	Med	No changes to accountability	Med	No changes to transparency	High	This would make requirements in multi-plex buildings more consistent.	Med	Knowledge sharing does not clearly build new partnerships.	Med	No changes to resiliency.
4.5 Make recycling easier and more effective by reducing confusion and improving convenience	O133	Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.	Med	No direct impact on affordability for residents or sectors.	High	May support circular economy and material recovery indirectly by improving sorting and reducing contamination.	Med	This will provide incremental progress towards goals where progress is already being made.	Med	Focus is on all levels of the hierarchy.	Med	May reduce contamination and improve diversion of high-tonnage materials like organics, plastics, and paper if signage leads to better sorting behaviour, but likley wont result in high tonnage diversion.	Med	Avoided disposal will include a variety of materials. Can be medium- high.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	High	Signage can be designed to reach diverse communities, especially if developed in multiple languages and accessible formats.	High	Expected to improve convenience by providing better communication.	Med	No changes to community building, social connection and peer-to-peer learning	High	Encourages informed choices and better sorting, which can reinforce waste prevention behaviours over time.	High	Assumes that collaboration with important partners is possible within 0-5 years	Med	No changes to accountability. This will not hold actors more accountable.	Med	No impact on transparency for what happens to materials in the system.	High	Supports consistent messaging across jurisdictions and sectors, reducing confusion.	High	Involves collaboration with municipalities, and haulers to develop signage tools.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population
4.5 Make recycling easier and more effective by reducing confusion and improving convenience	O132	Recognize and reward those who recycle well so others are inspired to follow their example.	Med	A recognition program will not impact affordability.	High	Introducing a recognition program will likely require significant resources/staffing.	High	Has potential to make significant progress towards goals depending on how many citizens are reached and if the rewards create behaviour change across the population	Med	Related to recycling	Med	This will target medium tonnage materials in curbside recycle bins.	Med	Targets plastic / reduces anthropogenic emissions.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No major impact on systemic barriers	Med	Recognition and rewards will not impact convenience.	High	There is opportunity to build social connection no peer-to-peer learning by having a public facing reward system	High	This can impact behaviour change for curbside recycling.	Med	It would require moderate changes to implement a reward program.	High	Having a recognition and reward program would hold residents accountable for curbside recycling.	Med	No impact on transparency for what happens to recyclable materials in the system.	Med	It is assumed that this would not have a big impact on consistency/harmonization	Med	May involve collaboration with schools or community groups, but does not require formal partnerships across sectors.	Med	No changes to resiliency.
4.5 Make recycling easier and more effective by reducing confusion and improving convenience	O135	Provide clear, consistent guidelines on what can and cannot be recycled.	High	Low cost intervention with potential to reduce contamination related costs.	Med	May improve recycling arrival quality, but not a direct job or GDP driver.	Med	Not inherently innovative, but could be paired with tech to enhance impact.	Med	Supports recycling which is mid-level int he hierarchy.	Med	Could target high tonnage material but not likely to achieve large amount of remaining waste.	Med	Indirect impact via improved recycling efficiency and reduced landfill use.	Med	Helps prevent improper disposal, but environmental benefits are not beyond waste and GHG emission reduction and are within regulatory limits	Med	Could be inclusive if guidelines are multilingual and accessible.	High	Makes it easier for residents to participate correctly.	Med	May encourage engagement, but not inherently community-building.	Med	Encourages correct recycling behaviour but does not focus on prevention.	High	Can be implemented within five years and using existing communication channels and partnerships.	High	The action increases ability to hold actors responsible to achieve goals through reporting.	High	Assuming improvements in obtaining more information about what happens to materials and recycling options.	High	Additional programs and infrastructure could provide consistency across the region.	Med	Indirectly could increase recycling system efficiency, but impact is limited

Assessment of Recycle Strategies and Actions

4.5 Make recycling easier and more effective by reducing confusion and improving convenience	D138	Review multi-family residential waste and recycling container space and access guidelines, including determining if the guidance needs to account for increased amounts of material or additional types of materials.	Med	No expected impact to affordability as this deals with building and space requirements for collection.	Med	Similiery to direct correlate to increased jobs or GDP.	Med	Potential to have slight improvement with incremental progress.	Low	Covers disposal and recycling	High	This could allow for increased source separated collection	High	Could result in significant GHg emission reduction if more buildings can collect and divert organics.	Med	Within regulatory impacts	Med	No big impact on systemic barriers rather it will impact convenience	High	Will increase access to three stream collection	Med	No expected impact.	Med	Focus is not on waste reduction.	Med	Would require moderate changes and likely to happen in next 5-10 years	Med	No changes to accountability	Med	No changes to transparency	High	This would make requirements in multi-family buildings more consistent.	Med	May involve consultation, but does not clearly build or expand partnerships.	Med	No changes to resiliency.
4.5 Make recycling easier and more effective by reducing confusion and improving convenience	D134	Centralize information sources to make it consistent and easier for the public to find information and look for resources.	Med	No direct impact on affordability for residents or sectors.	Med	May support circular economy and material recovery indirectly by improving participation and reducing confusion.	Med	Improves access and clarity through consolidation, but the education approach is not new.	Med	Focus is on all levels of the hierarchy.	Low	May reduce contamination and improve diversion of high-tonnage materials like organics, plastics, and paper if centralized information leads to better sorting behaviour.	Med	Avoided disposal will include a variety of materials. Can be medium- high.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No impact to systemic barriers	High	Improves clarity and ease of access for residents by centralizing education and information.	Med	No changes to community building, social connection and peer-to-peer learning	High	Assumes that collaboration with important partners is possible within 0-5 years	Med	No changes to accountability. This will not hold actors more accountable.	Med	Can improve understanding of what happens to materials and the waste system if centralized sources include explanations.	High	Supports consistent messaging across jurisdictions and sectors, reducing confusion.	Med	May involve collaboration with municipalities, but the action itself focuses on internal coordination and does not guarantee new partnerships.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population
4.5 Make recycling easier and more effective by reducing confusion and improving convenience	D136	Work with businesses and recycling depots across the region to work towards streamlining the types of materials accepted where practical.	Med	No changes to affordability expected.	Med	Similiery to direct correlate to increased jobs or GDP.	Med	Service improvement with incremental progress toward goals.	Med	Mainly focused on recycling.	Med	Likely mainly targets medium tonnage material.	Med	Potential to reduce anthropogenic emissions.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	No changes expected	High	With increased capacity for collection of materials across regional sites, convenience may be improved for residents when trying to recycle materials.	Med	Unlikely to have significant community participation with idea improvements or collection expansion at sites.	Med	Perhaps a slight potential, but more of a focus on increased recycling opportunities across the region.	High	Very likely could conduct research and begin regional approach within the next five series to harmonize sites.	High	No accountability component expected.	Med	Minimal progress towards increased transparency.	High	Opportunity to harmonize sites and offer consistent recycling options across the region.	High	Builds partnerships with businesses and recycling depots to align practices.	Med	Only incremental improvement of existing infrastructure.
4.5 Make recycling easier and more effective by reducing confusion and improving convenience	D137	Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination.	Med	Action would have no impact on affordability.	Med	No significant job increases assumed and since collected materials are often contaminated and of poor quality, recyclability and economic value are lower.	High	Potential for innovation in how waste is managed in large public spaces, e.g., AI.	Med	Action helps to improve recycling.	Low	Relatively small volumes coming these public spaces and also difficult to reduce diverisible waste, even with the right infrastructure.	Med	Targets organics and plastics, but likely to only reduce smaller volumes from disposal	Med	Within regulatory limits. Assuming that Recycle BC would not have any role in this action.	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Would increase access to recycling after scaling up in many locations	Med	Focused on recycling.	High	Civic / public spaces should be easier to implement.	Med	No changes to accountability. This will not hold actors more accountable than existing system.	Med	No changes to transparency assumed.	Med	No changes to consistency/harmonization of services provided as this focuses on already existing programs.	Med	May involve collaboration with municipalities or facilities, but partnerships are not guaranteed.	Med	Waste stations in public spaces are unlikely to influence the region's ability to adal with infrastructure disruption and other stresses (aging infrastructure and increased demand for service)
4.6 Target recycling education	D144	Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and homebuilt businesses.	High	Opportunity to increase affordability with knowledge of, and resources for, recycling options for the CI sector. Will reduce landfilling fees.	High	Likely to improve overall business practices and allow businesses to focus more on their primary business, increasing GDP.	High	Significant opportunity to meet goals since CI sector is largest sector.	Med	Likely focused on recycling but assumption that reduction and reuse resources and education are included.	High	Huge potential with the focus being on the largest sector, CI.	High	Expected to include a focus on organics.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No change expected	High	Opportunity to increase convenience for CI sector to participate in programs.	High	Opportunity for peer-to-peer learning and social connection through education programs and resources.	High	Likely focused on recycling but assumption that reduction and reuse resources and education are included to encourage behaviour shift.	High	Research and primary resources could begin in the next five years. However, advanced implementation will likely take longer.	High	Cost improve accountability through programs and increased reporting that coincides witheducational resources.	High	Would help to improve understanding of material flow in the CI sector through research and pilots.	High	Eventually would work towards harmonization and consistency of CI programs.	High	Builds collaboration with business associations, chambers of commerce, and cultural organizations to tailor education.	High	Improved research and education programs will help improve resiliency for the CI sector.
4.6 Target recycling education	D146	Develop educational resources for people to reduce waste when they are hosting a large gathering	High	Reducing waste for large gatherings has the potential to make events more affordable.	Med	No expected impact	Med	Potential to have slight improvement with incremental progress.	High	Focus on reduction.	Med	Focusing on reduction of waste but for a very specific waste stream that is not likely to be linked with huge progress.	High	Could have a significant focus on reduction of organic waste.	High	Has potential to reduce the amount of plastics ending up in the environment as waste.	Med	No big impact on systemic barriers rather it will impact convenience	High	Will increase knowledge of programs and practices.	High	Education will involve social connection and peer-to-peer learning.	High	Has the opportunity to impact behaviour by increasing education. Focused on reduction.	High	Education can be completed in five years.	Med	No changes to accountability	High	Potential to improve understanding of material flows for residents hosting large gatherings.	High	Should help to reduce confusion for residents.	Med	May involve collaboration with event organizers or community groups, but partnerships are not central to the action.	High	Improved education should increase resiliency of the community.
4.6 Target recycling education	D145	Explore collaborations with non-profits organizations to support better education and sorting in apartment buildings.	High	Better education and sorting for apartments has the potential to reduce overall recycling program costs.	Med	No expected impact	Med	Potential to have slight improvement with incremental progress.	Med	Likely focuses on recycling, but could have some reduction/reuse components as well.	High	This could allow for increased source separated collection	High	Could result in significant GHg emission reduction if more buildings can collect and divert organics.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No big impact on systemic barriers rather it will impact convenience	High	Will increase access to recycling systems and increase knowledge of programs.	High	Involving non-profits and collaborating with groups will encourage peer-to-peer learning and social connection.	High	Has the opportunity to impact behaviour by increasing education.	High	Could work on developing partnerships within the next five years.	Med	No changes to accountability	High	Potential to improve understanding of material flow from apartments.	High	This would make requirements in multi-family buildings more consistent.	High	Involves collaboration with non-profits to improve education and sorting outcomes.	High	Improved research and education programs will help improve resiliency for the sector
4.6 Target recycling education	D147	Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.	Med	No anticipated impacts due to the focus being on existing advisors.	Med	No anticipated impacts due to the focus being on existing advisors.	Med	No anticipated impacts due to the focus being on existing advisors. Slight improvement expected with incremental progress.	High	Waste reduction information services.	Med	Focusing on reduction of waste but for a very specific program that is not likely to be linked with huge progress.	High	Has potential to include significant program participation in organics programs.	High	Potential for demonstrable improvements to environmental performance through campaigns and increased program participation.	High	No big impact on systemic barriers rather it will impact convenience	High	Improving access to advisors may make it more convenient for people to use the program.	High	Has the opportunity to impact behaviour by increasing education through Advisor program. Focused on reduction.	High	Since Advisor program is already established, expansion should be able to occur in the next five years.	Med	No changes to accountability	High	Potential to improve understanding of material flows for people accessing the Advisor program.	High	May support collaboration indirectly by promoting existing services, but does not guarantee new partnerships.	High	Improved education and program access should increase resiliency of the community.
4.6 Target recycling education	D148	Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.	Low	Potential to initially increase the cost of recycling programs due to the involvement of artists and influencers.	High	May require the need to hire artists and influencers, increasing jobs. Could stimulate recycling and overall GDP.	Med	Likely to only see incremental progress, but would depend on success of campaigns.	Med	Focused on recycling.	High	Could focus on higher tonnage material streams.	High	Has potential to include significant impact on participation in organics programs.	High	Potential for demonstrable improvements to environmental performance through campaigns and increased program participation.	Med	No expected impact on systemic barriers.	Med	No physical component to increase convenience.	Med	Good campaigns could include peer-to-peer learning and social connection.	Med	Focused on recycling but does have significant ability to change behaviours.	Med	Might take additional time to organize campaigns to work with artists and influencers.	High	Should help to reduce confusion for residents when encouraging participation.	High	Builds collaboration with creative and community sectors to co-develop culturally resonant messaging.	High	Improved motivation to participate in programs increases overall community resilience.
4.6 Target recycling education	D151	Gamify recycling and reduction education.	Med	Gamifying recycling and reduction education won't have an impact on affordability.	Med	No anticipated impact to prosperity / jobs	Med	Will lead to incremental progress by potentially increasing interest in education and waste reduction behaviours.	High	Focused on actions to prevent waste.	High	Assumption that some of the education will be focused on high tonnage materials such as organics and plastics.	High	Assumption that some of the education will be focused on high tonnage materials such as organics and plastics.	High	Has potential to demonstrate higher environmental performance through reduced use of harmful products and single use items	Med	Has potential to remove social barriers and access opportunities and target systemic barriers.	Med	Although this might make it more interesting to participate, it will not impact convenience.	High	There is opportunity for this action to support community building, social connection and peer-to-peer learning.	High	Can help with shifting behaviour to meet goals of waste prevention.	High	This could at least begin in the next five years.	Med	No accountability component.	Med	No changes to transparency assumed.	Med	No changes to consistency/harmonization.	Med	Will require collaboration with member jurisdictions.	High	Increases connectedness of resources and understanding of local options.
4.6 Target recycling education	D152	Collaborate on the development of how to recycle videos to improve community pride and accuracy of recycling.	Med	No direct impact on affordability for residents or sectors.	Med	May support circular economy and material recovery indirectly by improving participation and reducing contamination.	Med	Improves understanding of on how to recycle, but the education approach itself is not new or innovative.	Med	Action helps to improve recycling.	High	May reduce contamination and improve diversion of high-tonnage materials like organics, plastics, and paper if videos lead to better sorting behaviour.	Med	Avoided disposal will include a variety of materials. Can be medium- high.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	Videos can be designed to reach diverse communities, specially if delivered in multiple languages and accessible formats.	High	Improves clarity for residents and simplifies participation in recycling programs. Offers visual guidance that is easy to understand.	Med	No changes to community building, social connection and peer-to-peer learning	High	Encourages informed choices and better sorting, which can reinforce waste prevention behaviours over time.	High	Assumes that collaboration with important partners is possible within 0-5 years	Med	No changes to accountability. This will not hold actors more accountable.	High	Will provide more information about what happens to materials and/or aspects of the the solid waste management system in the region	High	Potential to increase efficiency and reduce confusion for residents	High	Builds partnerships with communications teams, educators, and community organizations to co-develop content.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population.
4.6 Target recycling education	D143	Work with producer responsibility organizations, industry groups and members to better educate residents on options for emerging and challenging materials.	Med	No direct impact on residents or sectors. Education efforts are typically covered by RecycleBC or existing programs.	Med	May support circular economy and material recovery indirectly by improving participation and reducing contamination.	Med	Improves understanding of newer materials and systems, but the education approach itself is not new or innovative.	Med	Action helps to improve recycling.	High	Targets high tonnage material and has potential to a reduce large percentage of remaining waste. Will focus on how to source separate PPP and EPR materials	Med	This action targets athropogenic emissions (plastics).	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	Should improve communication with clear, multilingual instructions for residents with challenges to understand current system, but does not target systemic barriers.	Med	May improves clarity for residents, but likely wont have big impact on convenience.	High	Opportunity for peer-to-peer learning and social connection through education programs and resources.	High	Encourages informed choices and better sorting, which can reinforce waste prevention behaviours.	High	Assumes that collaboration with important partners is possible within 0-5 years	Med	No changes to accountability. This will not hold actors more accountable than existing system.	High	Will provide more information about what happens to materials and/or aspects of the the solid waste management system in the region.	High	Potential to increase efficiency and reduce confusion for residents.	High	Involves collaboration with multiple stakeholders in the recycling and product stewardship sectors to improve education.	Med	No impact on ability to handle future threats and sudden changes to the system.
4.6 Target recycling education	D150	Research and target the most confusing items for residents that are often incorrectly sorted.	Med	Researching confusing items for sorting will not have any impact on affordability.	Med	No impact on jobs or GDP.	Med	Will help make incremental progress towards goals.	Med	Focus is on recycling.	High	Targets recyclable materials which are high in quantity and tonnage	Med	No big impact on GHG emissions reduction.	Med	Within regulatory impacts	Med	No changes to impacts on barriers or access experienced by different groups/people	High	Should increase convenience and ability for residents to participate in recycling programs if it is more clear on what amterials can be sorted/recycled.	Med	Focused on recycling participation, not specifically prevention behaviour.	High	Ability to implement in next 0-5 years	Med	No changes to accountability	High	Should mildly increase transparency for residents with a better understanding of what materials can be sorted for recycling.	High	Should increase consistency of recycling stream and program details for residents.	Med	May involve collaboration with data analysts or service providers, but primarily focuses on internal research.	Med	No changes to resiliency.
4.6 Target recycling education	D129	Promote and educate residents on worm bins, backyard composting.	Med	Promoting and educating will not impact affordability for residents.	Med	This will not have a large impact on jobs/GDP, aside from increased resources for further education support.	Med	This will provide incremental progress towards goals where progress is already being made.	Med	Focus is on composting.	High	This targets organics, but it would likely target a small percent of all organics in the region.	High	Targets organics.	Med		Med	No impact to systemic barriers	High	This could make it more convenient for residents in MF buildings that do not have curbside organics collection to compost using worm bins	Med	No big impact on connecting people.	High	This action would help with the shift of behaviour to meet goals	High	This can be implemented in the next 0-5 years.	Med	No accountability component.	Med	No changes to transparency expected	Med	No changes to consistency/harmonization	Med	Public outreach focused, does not clearly build or expand partnerships.	Med	incremental progress as measuring and reporting doesn't significantly increase resiliency for the future population
4.6 Target recycling education	D154	Work with member jurisdictions and other recycling collectors to pilot technologies such as such as optical AI contamination detection systems to provide education on proper waste sorting requirements.	Med	No direct impact on residents or sectors.	Med	Likely to have low impact on jobs/GDP, if any.	High	There is potential for innovation to find new technologies that can support education on waste sorting.	Med	Action helps to improve recycling.	High	This action targets recyclable materials which are high tonnage materials.	Med	This action targets athropogenic emissions (plastics).	Med	Within regulatory limits. Assuming that Recycle BC would not have any role in this action.	Med	No changes to impacts on barriers or access experienced by different groups/people	High	This would make it easier for jurisdictions and collectors to participate and pilot new technologies.	Med	No changes to community building, social connection and peer-to-peer learning	High	This would target education on proper sorting and behaviour change.	Med	Piloting new technologies would take moderate effort.	Med	There is potentially opportunity for accountability for proper sorting but when using new technologies, such as AI, there are many privacy concerns that need to be considered.	Med	No changes to transparency assumed.	High	Working with jurisdictions and collectors in the region can result in more consistency and harmonization.	High	Builds collaboration across jurisdictions and industry to test and implement new technologies.	Med	Piloting contamination solutions is unlikely to influence the region's ability to adal with infrastructure disruption and other stresses (aging infrastructure and increased demand for service)
4.6 Target recycling education	D153	Work on understanding recycling data and challenges in specific commercial sectors such as events, film, tourism, food service, and health care.	Med	No direct cost changes for sectors during data collection phase, but understanding should lead to cost-effective solutions later	Med	Could maintain existing jobs in waste management sector, potential to identify opportunities for new circular business models.	Med	Represents improvement in process through better data collection and analysis; could lead to sector-specific solutions	Med	Data collection itself is at the recycling level, but insights could support higher hierarchy actions	Med	Targets CI (Commercial/Institutional) sector which is largest sector, however unlikely to target large amounts of waste.	Med	Better recycling data could lead to reduced transport emissions and improved processing efficiency	Med	No direct environmental impact from data collection; emissions would be within regulatory limits	Med	No direct changes to barriers or access during data collection phase	Med	No immediate changes to convenience for end users	Med	No changes to community building, social connection and peer-to-peer learning	High	Understanding challenges is foundational to designing behaviour change interventions	Med	Relatively easy to implement data collection within 0-5 years using existing resources and systems	High	Creates clear data trail.	High	Provides transparent information about what happens to materials in specific commercial sectors	High	Builds collaboration with sectors, potentially strengthening partnerships.	Med	Provides information foundation that could support more resilient waste management systems, but is incremental improvement
4.7 Increase transparency of what happens to materials from recycling and green bin programs	D157	Facilitate public tours of recycling facilities so that residents can see what happens to their materials.	Med	No direct impact on affordability for residents or sectors.	High	Potential for an increase in local jobs with increased public tours in the region.	Med	This will provide incremental progress towards goals where progress is already being made.	Med	Mainly focused on recycling.	Med	This targets all levels of the hierarchy, but it would likely target a small percent in the region.	Med	Avoided disposal will include a variety of materials. Can be medium- high.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	Can be designed to accommodate diverse groups, including school programs and community organizations.	High	Makes it more convenient for the public to learn about the system.	High	Directly engages residents and community groups. Builds social connection and pride through shared learning.	High	Encourages informed choices and better sorting, which can reinforce waste prevention behaviour.	High	Assumes that collaboration with important partners is possible within 0-5 years	Med	No changes to accountability. This will not hold actors more accountable.	High	Increases transparency by letting the public see the facilities and understand the process.	Med	No changes to consistency/harmonization.	High	Involves collaboration with facility operators and municipalities to coordinate public engagement activities.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population
4.7 Increase transparency of what happens to materials from recycling and green bin programs	D156	Increase transparency of which organizations are handling which materials.	Med	Transparency on the waste system will not impact affordability.	Med	Unlikely to direct correlate to increased jobs or GDP.	Med	Will help make incremental progress towards goals.	Med	Focus is on all levels of the hierarchy.	Low	Does not directly target waste streams.	Med	No big impact on GHG emissions reduction.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No impact to systemic barriers	High	Makes it more convenient for the public to learn about the system.	Med	No changes to community building, social connection and peer-to-peer learning	High	The goal would be for residents to be inspired to reduce/reuse more after seeing the facilities.	High	Assumes that collaboration with important partners is possible within 0-5 years	Med	No changes to accountability. This will not hold actors more accountable.	High	Increases transparency of what happens to materials	Med	No changes to consistency/harmonization.	Med	May support collaboration indirectly by clarifying roles and responsibilities, but the action itself doesn't guarantee new partnerships.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population
4.7 Increase transparency of what happens to materials from recycling and green bin programs	D159	Show where waste goes and how it's processed to provide more transparency in the recycling system.	Med	Information on what happens to recyclable materials in databases will not impact affordability.	Med	Providing more information on what happens to recyclable materials is unlikly to have an impact on jobs/GDP.	Med	Will help make incremental progress towards goals.	Med	Focus is on recycling.	Low	Does not directly target waste streams.	Med	No big impact on GHG emissions reduction.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No impact to systemic barriers	High	Makes it more convenient for the public to learn about the system.	Med	No changes to community building, social connection and peer-to-peer learning	Med	Although this could encourage some behaviour change, it is unlikely to reach a high percent of the population.	High	Ability to implement in next 0-5 years	Med	No changes to accountability. This will not hold actors more accountable.	High	Increases transparency of what happens to materials	Med	No changes to consistency/harmonization.	Med	May support collaboration indirectly with facility operators and service providers, but the action focuses on public education.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population
4.7 Increase transparency of what happens to materials from recycling and green bin programs	D158	Facilitate adding what happens to material in recycling option databases.	Med	Information on what happens to recyclable materials in databases will not impact affordability.	Med	Providing more information on what happens to recyclable materials is unlikly to have an impact on jobs/GDP.	Med	May help make incremental progress towards goals.	Med	Focus is on recycling.	Low	Does not directly target waste streams.	Med	No big impact on GHG emissions reduction.	Med	No significant environmental benefits beyond waste and GHG emissions reductions	Med	No impact to systemic barriers	High	Makes it more convenient for the public to learn about the system.	Med	No changes to community building, social connection and peer-to-peer learning	Med	Although this could encourage some behaviour change, it is unlikely to reach a high percent of the population.	Med	This would take time to implement across the region as each member municipality has individual databases and apps.	Med	No changes to accountability. This will not hold actors more accountable.	High	This work increase transparency on what happens to materials being recycled.	Med	No changes to consistency/harmonization.	Med	May involve collaboration with database managers and service providers, but primarily focuses on information sharing rather than partnership development.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population
4.8 Prevent litter and illegal dumping through public space recycling initiatives	D175	Explore more community waste, recycling, and reuse drop-off events.	High	Having free waste drop-off events reduces the cost for items they would typically be charged for.	Med	Depending on the scale, this could require more staff to run the events as you increase the number of events.	Med	Helps with incremental progress towards goals by adding more free drop-off events.	Med	Includes both recycling and disposing of drop-off items.	Med	Likely to target medium tonnage materials such as household items, bulky objects	Med	Won't have impaction GHG emissions as items are still being received for disposal or recycling, but it is free for residents.	High	Having free drop-off days can help reduce illegal dumping of items	Med	This can reduce financial barriers for residents to properly dispose of items, but does not reduce systemic barrier directly as drop-off events are not accessible to many populations.	Med	No changes to convenience. Residents still have to drive to specified locations to drop-off items.	Med	This can help bring the community together and provide peer-to-peer learning.	High	This encourages drop-off of items rather than illegal dumping.	High	This would require significant effort to coordinate and work with member municipalities to implement.	Med	No accountability component.	Med	Assuming the materials being dropped off would be tracked, it would provide better and more data.	High	Working with member municipalities to implement more events would increase consistency of these events across the region.	High	Would likely involve collaboration with member municipalities.	Med	No expected changes to resiliency.
4.8 Prevent litter and illegal dumping through public space recycling initiatives	D176	Support community clean-up initiatives	High	Providing community grants for clean up events would reduce the cost on communities	Med	Will not have a big impact on jobs/GDP.	Med	Can help with incremental progress towards goals but it not a game changer.	Low	Will help with illegal dumping/disposal	Med	Likely to target household items, misc. building materials, bulky items	Med	Reduces anthropogenic emissions	High	Has potential to clean-up sites and eventually reduce illegal dumping or exposure of toxic materials to the natural environment	Med	No changes to systemic barriers	High	This will make it more convenient for communities to participate	High	This supports community building and social connection	High	Has the potential to influence behaviour change away from illegal dumping to meet goals	Med	Ability to implement within next 0-5 years depending on budget	Med	Wont have an impact on accountability as this is community organizations doing the clean up after items have been illegally dumped	Med	Although this helps with illegal dumping, it does not provide more insight into the system	Med	No impacts to consistency/harmonization.	Med	Would likely involve collaboration with member municipalities and communities in the region.	Med	No expected changes to resiliency.
4.8 Prevent litter and illegal dumping through public space recycling initiatives	D174	Enhance litter and illegal dumping data collection	High	Having more data on illegal dumping should help to improve efficiency of systems and reduce costs	Med	Will not have a big impact on jobs/GDP.	Med	Process improvement but significant progress not expected as a result	Low	Focused on recovery and residual management	Low	Not focused on reducing any portions fo the waste stream. Instead focused on management at the end of pipe	Low	Not focused on reducing any portions fo the waste stream. Instead focused on management at the end of pipe	High	Has potential to clean-up sites and eventually reduce illegal dumping or exposure of toxic materials to the natural environment	Med	No changes to systemic barriers	Med	No changes to convenience	Med	No changes to community participation	Med	No expected impact on behaviour change	High	Relationships and collaboration initiatives could commence in shorter term	High	Improved tracking of data and management of sites improves accountability in the region	High	Increased data demonstrates improved transparency of materials and end destinations in the waste management system	High	Working with member municipalities to improve data has the potential to harmonize the system	High	Would involve working with member municipalities to gather data.	Med	No expected changes to resiliency.
4.8 Prevent litter and illegal dumping through public space recycling initiatives	D178	Review approaches in other jurisdictions to reduce illegal dumping	Med	No significant cost impacts assumed from research.	Med	Not expected to have a significant impact on jobs.	Med	Process improvement but significant progress not expected as a result.	Low	Focused on recovery and residual management.	Low	Not focused on reducing any portions fo the waste stream. Instead focused on management at the end of pipe.	Low	Not focused on reducing any portions fo the waste stream. Instead focused on management at the end of pipe.	High	Has potential to clean-up sites and eventually reduce illegal dumping or exposure of toxic materials to the natural environment	Med	No changes to systemic barriers.	Med	No changes to convenience.	Med	No changes to community participation.	Med	No expected impact on behaviour change.	High	Relationships and collaboration initiatives could commence in shorter term.	High	Improves understanding of system gaps and potential solutions, which can inform accountability measures. Formal accountability remains unchanged.	High	Provides visibility into how other jurisdictions manage illegal dumping and what outcomes they achieve. Transparency depends on how findings are shared.	High	Supports harmonized approaches across jurisdictions if successful strategies are adopted regionally. Reduces confusion and improves enforcement consistency.	High	Would involve working with member municipalities.	Med	No expected changes to resiliency.
4.8 Prevent litter and illegal dumping through public space recycling initiatives	D177	Research the impacts of improperly managed waste on wildlife	Med	No significant cost impacts assumed from research.	Med	May support circular economy and environmental protection indirectly by informing better waste management practices that reduce impact on wildlife.	Med	Will lead to incremental progress by increasing reducing impact on wildlife.	Med	Indirectly supports circularity by identifying consequences of poor waste handling and reinforcing the importance of keeping materials in use and out of ecosystems.	Low	Does not directly target waste streams.	Med	Won't have impaction GHG emissions.	High	Directly promotes environmental protection by highlighting harm to wildlife and ecosystems. Findings can guide stewardship efforts and public awareness campaigns.	Med	No changes to impacts on barriers or access experienced by different groups/people.	Med	No changes to convenience although findings from the research, if implemented, could impact convenience.	Med	Likely no large changes to community building, social connection and peer-to-peer learning.	Med	Potential for findings to reinforce waste prevention behaviours by showing real-world consequences of mismanagement, especially if integrated into education efforts.	High	Ability to implement within next 0-5 years depending on budget.	Med	Could improve understanding of impacts, but no accountability component built into the action.	Med	Although this helps with understanding impacts on wildlife, it does not provide more insight into the system.	Med	Would likely involve researchers, environmental organizations, municipalities, and potentially community groups. Shared interest in protecting ecosystems.	Med	Can support harmonized messaging if findings are integrated into regional education and policy, but not built into the action.	High	No expected changes to resiliency.

Assessment of Recover Strategies and Actions

5.0 Recover			1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17	
Strategy	ID No.	Action Option	Affordability	Assumptions	Economic Prosperity	Assumptions	Innovation	Assumptions	Circularity	Assumptions	Waste Reduction	Assumptions	GHG Emissions Reduction	Assumptions	Environmental Stewardship	Assumptions	Inclusivity	Assumptions	Convenience	Assumptions	Community Participation	Assumptions	Supports Waste Prevention Habits and Actions	Assumptions	Practicality of Implementation	Assumptions	Accountability	Assumptions	Transparency	Assumptions	Consistency / Harmonization	Assumptions	Collaboration	Assumptions	Resilience	Assumptions
5.1 Recover materials and energy from non-recyclable materials	I0169	Collect dimensional lumber not suitable for reuse or recycling to process into fuel to replace fossil fuels in applications such as district energy and other decentralized heating and agricultural/industrial systems.	Med	Requires investment in collection systems, processing infrastructure (e.g., biomass fuel production), and end-use facilities. Could be cost-competitive with fossil fuels over time.	High	Could create opportunities in bioenergy production and create jobs.	High	Would be an innovative approach for the region to use low-quality wood.	Low	Focused on recovery (non-recyclable material)	High	Includes high tonnage of non-recyclable wood from the C&D sector.	Med	Overall net GHG emissions reduction when compared to burning of fossil fuels.	Med	Compared to burning of fossil fuels, not likely to change impact, positively or negatively, on environmental stewardship.	Med	No changes to impacts on barriers or access experienced by different groups/people	High	May increase convenience of managing non-recyclable lumber. But could be challenging to collect if mixed with other materials.	Med	Likely no large changes to community building, social connection and peer-to-peer learning	Low	If anything this would encourage materials to remain unrecyclable.	Low	Additional infrastructure and technology would likely require more than 10 years to implement considering design requirements, permits, construction, etc.	Med	No changes to ability to hold actors responsible.	Med	No changes to transparency	Med	No significant change to consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships.	High	Has potential to build regional energy resilience.
5.1 Recover materials and energy from non-recyclable materials	I0172	Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biooil.	Low	Typically these types of technologies come with significant cost and investment, even at the pilot stage. However, some costs could be managed by grant funding and private investment. Up front costs will remain high for the sector when exploring new technologies.	High	Could create technologist opportunities for the region and jobs. However, huge job numbers are not often associated with these technologies, but the exploration and research could involve more jobs.	High	Would require high level of innovation and would be new for the region.	Low	Focused on recovery (non-recyclable material)	High	Includes high tonnage of non-recyclable wood from the C&D sector.	Med	Depending on what technologies are chosen, but if waste-to-energy is replacing fossil fuels, there is an opportunity for an overall GHG emissions reduction. Only if compared to burning fossil fuels and primary source is non-recycled wood.	Med	If comparing to burning of fossil fuels, not likely to change impact, positively or negatively, on environmental stewardship.	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	Likely limited/restricted but would provide contractors and haulers with additional disposal options.	Med	Likely no large changes to community building, social connection and peer-to-peer learning	Low	If anything this would encourage materials to remain unrecyclable.	Low	Advocacy could start earlier, but even exploring pilot options could take upwards of 10 years when considering regulations and permits.	Med	No changes to ability to hold actors responsible.	Med	No changes to transparency	Med	No significant change to consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships.	Med	Has potential to build C&D management disposal options further in the future, but not likely to have a significant impact in the near future through advocacy and pilot exploration.
5.1 Recover materials and energy from non-recyclable materials	I0168	Share information with respect to construction and demolition waste characteristics and quantities to support investigations into the potential to recover materials from non-recyclable construction and demolition waste.	Med	No significant change to cost assumed with this option being focused on sharing of information.	Med	Indirect - better data supports businesses and investors in developing new recovery markets for currently non-recyclable materials. Long-term economic potential if markets are created.	Med	Has the potential to be higher, but with idea sharing, likely only a process improvement making incremental progress.	Low	Focused on recovery (non-recyclable material)	High	Includes high tonnage of non-recyclable wood from the C&D sector.	Med	Depending on what 'recovery' looks like, but if waste-to-energy is replacing fossil fuels, there is an opportunity for an overall GHG emissions reduction. Only if compared to burning fossil fuels and primary source is non-recycled wood.	Med	If comparing to burning of fossil fuels, not likely to change impact, positively or negatively, on environmental stewardship.	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	No changes in convenience by increasing knowledge of best practices.	Med	Likely no large changes to community building, social connection and peer-to-peer learning	Low	If anything this would encourage materials to remain unrecyclable.	High	Sharing of ideas should be relatively easy to implement in the next 0-5 years.	Med	No changes to ability to hold actors responsible.	Med	No changes to transparency	Med	No significant change to consistency/harmonization across the region.	High	Sharing of information involves collaboration amongst industry experts and municipalities.	High	Has potential to increase connectedness of resources and information.
5.1 Recover materials and energy from non-recyclable materials	I0171	Continue to pursue processing of small load waste to recover non-recyclable wood and other materials.	Med	Unlikely to affect affordability significantly since this option is a continuation and focused on small loads.	Med	Not expected to have a significant impact on jobs.	Low	Already occuring (status quo).	Low	Focused on recovery (non-recyclable material)	High	Includes high tonnage of non-recyclable wood from the C&D sector.	Med	Overall net GHG emissions reduction when compared to burning of fossil fuels.	Med	If compared to burning of fossil fuels, not likely to change impact, positively or negatively, on environmental stewardship.	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	Likely limited/restricted but provides small contractors with additional disposal options.	Med	Likely no large changes to community building, social connection and peer-to-peer learning	Low	If anything this would encourage materials to remain unrecyclable.	High	Since this is already happening it should be relatively easy to continue.	Med	No changes to ability to hold actors responsible.	Med	Performance data could be reported, but since these are private facilities, processes are less visible/understood.	Med	No significant change to consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships.	Med	Incremental progress that doesn't have significant impact on resiliency for the future growing population
5.1 Recover materials and energy from non-recyclable materials	I0170	Encourage diversion of non-recyclable construction and demolition waste to recover recyclables and alternative fuels in facilities with advanced environmental protection systems such as cement plants.	High	Could reduce fuel costs for industry and leverages existing industrial facilities (cement kilns), avoiding major new infrastructure costs.	Med	Benefits likely limited to certain industries such as cement producers.	Med	Not an overly innovative approach since use of alternative fuels for cement kilns is being done in North America. But could still prove to be innovative for the region.	Low	Focused on recovery (non-recyclable material)	High	Includes high tonnage of non-recyclable wood from the C&D sector.	Med	Overall net GHG emissions reduction when compared to burning of fossil fuels as would be required in cement kilns.	Med	Compared to burning of fossil fuels in cement kiln, not likely to change impact, positively or negatively, on environmental stewardship.	Low	Impacts are very specific to certain industries.	Med	Likely limited/restricted but would provide contractors and haulers with additional disposal options.	Low	Limited to very specific industry and not community-driven.	Low	If anything this would encourage materials to remain unrecyclable.	Med	Since plants already operate in the region this could likely be implemented between 5 and 10 years with policy support and technology installations.	Med	No changes to ability to hold actors responsible.	Med	Performance data could be reported, but since these are private facilities, processes are less visible/understood.	Med	No significant change to consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships.	High	Has potential to build regional waste system resilience by serving as an outlet for non-recyclable wood.
5.1 Recover materials and energy from non-recyclable materials	I0179	Continue to pursue the beneficial use of bottom ash from the Waste-to-Energy Facility in cement plants.	High	Potential to reduce landfilling costs of ash if material can be sold, or given, for use in cement plants.	Med	Not expected to have a significant impact on GDP or job creation. Even if material is diverted, it is unlikely to create jobs.	High	Would require high level of innovation and would be new for the region.	Low	Focused on recovery (non-recyclable material)	Low	Focused on ash material generated from waste-to-energy which is not deemed a high tonnage material according.	Med	Unknown at this time since an GHG analysis would need to be conducted based on the use of the ash versus landfilling. Unlikely to have a significant impact on GHG emissions either way.	Med	If comparing to landfilling, not likely to change impact, positively or negatively, on environmental stewardship.	Med	No changes to impacts on barriers or access experienced by different groups/people	Med	No impact on convenience expected, other than possibly for cement kilns.	Low	Since this is focused on a very industry specific audience in the region (cement kilns), community participation could be reduced.	Low	Focused on disposal options for ash which, if any, could continue to encourage waste to-energy and reduce prevention actions.	Low	Research and exploring options could take upwards of 10 years to work with industry when considering regulations and permits.	Med	No changes to ability to hold actors responsible.	Med	No changes to transparency	Med	No significant change to consistency/harmonization across the region.	Med	May involve collaboration, but does not guarantee partnerships.	Med	Could reduce reliance on landfilling but does not significant impact the ability for the region to absorb shocks or disruptions.

Appendix S

Copies of All Written Feedback Received and Metro Vancouver Replies

List of Contents
Pre-Engagement Phase
Vision and Guiding Principles Phase
Idea Generation Phase
Options Analysis Phase
Targets, Metrics and Draft Plan Phase
Additional Comment Period Ending August 1, 2026

Certain information within the attached documents has been redacted or removed to protect personal privacy, confidential information, and/or sensitive organizational information.

Original Correspondence Received and Metro Vancouver Replies

Appendix S

1.0 – Pre-engagement Phase

1.1 - Organization – Ancore Appraisals – Email and Metro Vancouver response
1.2 - Organization – Waste Management Association of BC – Letter
1.3 - Government – Fraser Valley Regional District – Letter
1.4 - Government – Village of Belcarra – Letter
1.5 - Government – City of Port Moody – Letter
1.6 - Organization – Bamboo Birdie – Email and Metro Vancouver response
1.7 - Organization – Revolution – Email, letter, and Metro Vancouver response
1.8 - Government – Fraser Valley Regional District – Letter and Metro Vancouver response
1.9 - Organization – Agrisco Supplies Corp. – Letter
1.10 - Organization – Waste Connections of Canada – Letter and Panel Engagement Response
1.11 - Organization – Waste Connections of Canada – Letter and Metro Vancouver response
1.12 - Organization – Maple Leaf Strategies – Email and Metro Vancouver response

2.0 – Vision and Guiding Principles Phase

2.1 - Organization – Share Wares – Email and Metro Vancouver response
2.2 - Organization – Zero Waste BC – Email and Metro Vancouver response
2.3 - Organization – HRS Zero Waste – Email and Metro Vancouver response
2.4 - Organization – HRS Zero Waste – Email and Attachment
2.5 - Public – Ermes Culos – Email
2.6 - Public – Patricia Bowens – Email
2.7 - Organization – Douglas College – Email and Metro Vancouver response
2.8 - Public – Candace O'Connor – Email and Metro Vancouver response

3.0 – Idea Generation Phase

3.1 - Public – Jean-Pierre Buree – Email and Metro Vancouver response
3.2 - Public – Grace Hodgson – Email and Metro Vancouver response
3.3 - Public – Bill Chan – Email and Metro Vancouver response
3.4 - Government – City of Vancouver – Email

4.0 – Options Analysis Phase

4.1 - Government – City of Vancouver – Letter
4.2 - Public – Doug Schell – Email and Metro Vancouver response

4.3 - Organization – HRS Zero Waste – Email and Metro Vancouver response
4.4 - Organization – Zero Waste BC – Letter
4.5 - Organization – HRS Zero Waste – Email, letter and Metro Vancouver response
4.6 - Organization – HRS Zero Waste – Email and Metro Vancouver response
4.7 - Public – Rukhsana Zafar – Email and Metro Vancouver response
4.8 - Public – Olga Schwartzkopf – Email and Metro Vancouver response
4.9 - Public – Sam Jeong – Email
4.10 - Organization – HRS Zero Waste – Email
4.11 - Public – Janet Dysart – Email and Metro Vancouver response
4.12 - Organization – Zero Waste BC – Email and attachment
4.13 - Organization – HRS Zero Waste – Email and letter
4.14 - Organization – Zero Waste BC – Email and attachment
4.15 - Government – City of Burnaby – Email and attachment
4.16 - Organization – Light House – Email and letter
4.17 - Organization – Homebuilders Association Vancouver – Email
4.18 - Government – City of Vancouver – Email and letter
4.19 - Government – Squamish-Lillooet Regional District – Email and attachment
4.20 - Organization – Waste Connections of Canada – Email
4.21 - Organization – Gaia Strategies – Email and Metro Vancouver response
4.22 - Organization – Zero Waste BC – Email and letter
4.23 - Public – Bill Chan – Email and attachment

5.0 – Targets, Metrics, and Draft Plan Phase

5.1 - Public – William Selten – Email
5.2 - Public – Amika Watari – Email
5.3 - Government – City of Burnaby – Email
5.4 - Organization – Zero Waste BC – Email and attachments
5.5 - Government – City of Richmond – Email
5.6 - Government – City of Vancouver – Email, attachment and Metro Vancouver response
5.7 - Organization – Vancouver Food Runners – Email
5.8 - Organization – Vancouver Food Runner – Email
5.9 - Public – Olga Schwartzkopf – Email and Metro Vancouver response
5.10 - Public – Belinda Li – Email
5.11 - Public – David Sahlmueller – Email
5.12 - Public – Christine Cunningham – Email
5.13 - Public – UBC Doctors for Planetary Health – Email
5.14 - Organization – Fraser River Food Club – Email
5.15 - Public – Catarina Moreno – Email
5.16 - Public – Karen Crosby – Email

5.17 - Organization – The Soup Teacher – Email
5.18 - Public – Trevor Leyenhorst – Email
5.19 - Government – District of West Vancouver – Email
5.20 - Company – HSR Zero Waste – Email and attachments
5.21 - Public – Jamie Kaminski – Email and letter
5.22 - Public – Ted Sheldon – Email, letter and attachment
5.23 - Public – Bei C – Email
5.24 - Public – Gonzalo Wong Koo – Email
5.25 - Organization – The Society of High Prairie Regional Environmental Action Committee – Email
5.26 - Organization – Building Owners & Managers Association of BC – Email and letter
5.27 - Government – City of Coquitlam – Email and attachment
5.28 - Government – Fraser Valley Regional District – Email and letter
5.29 - Public – Linda Gasser – Email
5.30 - Organization – Recycle BC – Email and attachment
5.31 - Organization – Zero Waste BC – Email
5.32 - Organization – Zero Waste BC – Email and attachment
5.33 - Organization – Zero Waste Committee of SPEC – Email
5.34 - Organization – Retail Council of Canada – Email and letter

6.0 – Final Comment Period Ending August 1

6.1 - Organization – Zero Waste BC – Email, letter and attachments
6.2 - Organization – Wastech Services Inc. – Delegation Presentation
6.3 - Organization – Restaurants Canada – Email and attachment
6.4 - Organization – HSR Zero Waste – Email and attachment
6.5 - Organization – Building Owners & Managers Association of BC – Emails, letters and Metro Vancouver Responses
6.6 - Public – Shorab M – Email
6.7 - Organization - SymbiAudit Inc – Email and attachment
6.8 - Organization – Better Table – Email
6.9 - Government – Fraser Valley Regional District – Email, letters, MV Board Chair Response and Metro Vancouver Response
6.10 - Public – Aleena Akhter – Email
6.11 - Organization – Nanaimo Recycling Exchange Society – Email and attachment
6.12 - Organization – Zero Waste BC – Email and attachments
6.13 - Public – Catarina Moreno – Email
6.14 - Public – Katherin Mass – Email
6.15 - Organization – HSR Zero Waste – Email and attachment
6.16 - Organization – Surf Rider Foundation – Email
6.17 - Public – Elizabeth Kerklaan – Email

6.18 - Public – Sheila Adams – Email
6.19 - Public – Jane Paddon – Email
6.20 - Public – Susan Burns – Email
6.21 - Public – Trevor Leyenhorst – Email
6.22 - Organization – EverGen Infrastructure Corp – Email and MV Response
6.23 - Public – Juliana Janot – Email
6.24 - Public – Virginia Ayers – Email
6.25 - Public – Belinda Li – Email
6.26 - Organization – New Westminster Climate Action Hub – KC – Email
6.27 - Organization – Waste Management Association of BC – Email and Letter
6.28 - New West Gypsum Recycling – Letter
6.29 - Public – John Omielan – Email
6.30 - Organization – New Westminster Climate Action Hub – AD – Email
6.31 - Government – Squamish-Lillooet Regional District – Email and letter
6.32 - Government – Bowen Island Municipality – Email
6.33 - Organization – RecycleBC – Email and letter
6.34 - Organization – Restaurant Canada – Email and letter
6.35 - Organization – Business Council of British Columbia – Email and Letter
6.36 - Public – Christine Cunningham – Email and letter
6.37 - Organization – Envirogreen Technologies – Email
6.38 - Organization – Waste Connections of Canada – Email and attachment
6.39 - InSinkErator Canada – Email
6.40 - Metro Vancouver Online Feedback Form Submissions

1.0 – Pre-Engagement Phase

From: Brad Reimer <breimer@ancore.ca>
Sent: April 29, 2021 1:12 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: Join the Conversation: Help Shape Solid Waste Policy in Metro Vancouver

Follow Up Flag: Follow up
Flag Status: Flagged

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I'm all for this, but I'd love to know why the chair, Jack Froese, who I believe is also the Mayor of the Township of Langley, has not yet adopted Vancouver's salvage bylaws to prevent old homes from being demolished and thrown into the waste stream.

I live in Fort Langley, and the Township just demolished several homes it owned in order to make room to build an expanded museum. They had the opportunity to deconstruct these historical homes and salvage the thousands of board feet of precious old growth lumber out of them, but instead decided not to and to just throw them into the landfill instead. In this day and age, there should be NO homes being demolished and thrown into landfills. Deconstructing of any homes should be part of the building permit application, not just homes built prior to a certain year either. If you're going to preach zero waste, put it into practice. At 30 million tons annually, construction debris is the largest contributor to the waste stream, and that should change immediately

On Thu, Apr 29, 2021 at 12:43 PM Metro Vancouver <zerowaste@metrovancouver.org> wrote:

metrovancouver | SOLID WASTE



Join the Conversation:

Help Shape Solid Waste Policy in Metro Vancouver

You are receiving this message as you or your organization may be impacted by Metro Vancouver's solid waste management plan update.

From: Metro Vancouver Solid Waste Management Plan Update
Sent: May 5, 2021 10:45 AM
To: 'Brad Reimer'
Subject: RE: Join the Conversation: Help Shape Solid Waste Policy in Metro Vancouver

Hello Brad,

Thanks for your reply and your interest in this project and sharing your concerns about construction and demolition waste. The topics of construction and demolition waste, circular economy and reuse will certainly be key areas we will engage further on as we reach the next phases of the solid waste management plan update.

Metro Vancouver has created a Construction and Demolition Waste Reduction and Recycling Toolkit as a guide for the building and construction industry which might be of interest to you.

For your specific question around Township of Langley bylaws you will need to reach out to the municipal staff.

Throughout the solid waste management plan update, there will be opportunities to provide input on the solid waste management plan update. You can sign up here to ensure you receive updates including opportunities (select "Solid Waste Management Plan Update" as your topic of interest).

Please note any feedback you provide will be included in publicly available Metro Vancouver Board reports about engagement on the solid waste management plan. Please let us know if you would like to have your organization or business information removed, and be identified by sector only.

Nanette van Doorn
Communications and Education Coordinator
Strategy and Stakeholder Relations
Solid Waste Services
t. 604.451.6073
metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Brad Reimer [mailto:breimer@ancore.ca]
Sent: Thursday, April 29, 2021 1:12 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: Join the Conversation: Help Shape Solid Waste Policy in Metro Vancouver

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I'm all for this, but I'd love to know why the chair, Jack Froese, who I believe is also the Mayor of the Township of Langley, has not yet adopted Vancouver's salvage bylaws to prevent old homes from being demolished and thrown into the waste stream.

I live in Fort Langley, and the Township just demolished several homes it owned in order to make room to build an expanded museum. They had the opportunity to deconstruct these historical homes and salvage

April 29, 2021

Andrea Reimer, Chair
Solid Waste Management Plan Independent Consultation and Engagement Panel

Via E-Mail: zerowaste@metrovancouver.org

Subject: Stakeholder Engagement for Metro Vancouver's Integrated Solid Waste Management Plan

Dear Ms Reimer,

I'm writing to you on behalf of the Waste Management Association of BC's (WMABC) concerning the Independent Panel's public and stakeholder engagement for Metro Vancouver's renewal of its Integrated Solid Waste and Resource Management Plan (ISWRMP).

We are pleased that Metro Vancouver has created and engaged a Solid Waste Management Plan Independent Consultation and Engagement Panel. On behalf of our members and the customers we serve in the MV region, we trust that our experience, input and active engagement would result in a collaborative approach that helps meet the region's sustainability goals. We would be remiss if we did not also raise the importance of the ICI&I generator. It is this sector that generates most of the waste in the Region and is one of the biggest challenges for waste diversion in Metro Vancouver. It has been our past experience that these consultations are often undertaken in absence of those who contribute to the various commodity or waste streams and ultimately bear the cost of the resulting policies.

By way of background, the WMABC is composed of private waste and recycling service providers, processors and suppliers with over 3,000 employees that provide a majority of the waste and recycling services across the province. As an active participant in the waste management services sector in B.C., we have and continue to provide a critical role in the delivery of efficient and cost-effective waste diversion, recycling and disposal services for the municipal and the IC&I sector.

As an industry, we are particularly proud of our leadership role in waste diversion across the province. The members of the WMABC have played a pivotal role in enhancing the diversion of materials in both the municipal and IC&I sectors by providing our strengths in logistics and infrastructure to collect and process these materials in an environmentally responsible manner and return them to the economy as secondary resources. We regard these as examples of a sustainable approach to resource reallocation and promotion of a circular economy.

We stand ready and willing to work to support yours and Metro Vancouver's goals and support our mutual interests. In the interim, should you have any immediate questions, please do not hesitate to contact us.

Regards



Josh Jansen van Doorn
Committee Chair, WMABC

Waste Management Association of BC
PO Box 3322, Station Main
Mission, BC V2V 4J5
info@wmabc.ca 778-775-7960

Fraser Valley Regional District

www.fvrd.ca | info@fvrd.ca

May 5, 2021

Chair Sav Dhaliwal and Board of Directors
Metro Vancouver
Metrotower III, 4730 Kingsway
Burnaby, B.C. V5H 0C6

Via email: chair@metrovancouver.org, jfroese@tol.ca

RE: Metro Vancouver's Solid Waste Management Plan – Pre-Engagement

Dear Chair Dhaliwal and Director Froese,

Thank you for the recent letter announcing Metro Vancouver's intention to update your Integrated Solid Waste Management Plan and the desire to obtain input as part of a pre-engagement phase. Our two regions are highly interconnected. Not only do we share a border and a sensitive airshed, but the solid waste systems within each of our regions are inextricably integrated. Decisions made in one region affects the other, which is why collaboration, partnerships, and meaningful dialogue is so valuable.

The Fraser Valley Regional District (FVRD) is committed to working with all stakeholders on zero waste goals and promotion of the circular economy. The solid waste industry is ever changing, and we believe that new partnerships can emerge that will support sustainable solid waste management practices across our regions that are good for the environment, good for the health of our airshed, and good for the economy. Metro Vancouver's new solid waste management plan is an opportunity for our Regional Districts to find solutions to solid waste challenges we both face and to further support local waste diversion efforts and airshed protection priorities.

The FVRD welcomes the opportunity to participate and would like to learn more about the process, the options for providing feedback, the role of the Independent Consultation and Engagement Panel, and of course, the proposed content of the solid waste management plan itself.

For the benefit of the FVRD Board of Directors, we would like to invite Metro Vancouver and a representative of the Independent Consultation and Engagement Panel to present at the next FVRD Board meeting, scheduled for May 27, 2021 at 19:00. This appears to be the only opportunity to present to our Board before the pre-engagement process closes on May 28, 2021, as outlined in your letter.

Please contact Kristen Kohuch, Executive Assistant to CAO and Board of Directors at kkohuch@fvrd.ca to confirm participation at this meeting. We look forward to receiving information about your engagement strategy and to learn more about your new solid waste management plan.

Sincerely,

Jason Lum
Chair, Fraser Valley Regional District Board

45950 Cheam Avenue | Chilliwack | V2P 1N6 Phone: 604-702-5000 | Toll Free: 1-800-528-0061 | Fax: 604-792-9684

VILLAGE OF BELCARRA

"Between Forest and Sea"

4084 BEDWELL BAY ROAD, BELCARRA, B.C. V3H 4P8
TELEPHONE 604-937-4100 FAX 604-939-5034
belcarra@belcarra.ca • www.belcarra.ca

May 11, 2021

Sav Dhaliwal, Chair
Metro Vancouver Board
4730 Kingsway
Burnaby, BC V5H 0C6
Via email: chair@metrovancouver.org

Dear Chair Dhaliwal,

Re: Metro Vancouver's Solid Waste Management Plan Update

Please be advised that at a Regular meeting of Belcarra Council held on May 10, 2021, the following motion was passed:

> "That staff advise Sav Dhaliwal, Chair, Metro Vancouver Board that the preferred communication for Belcarra will be with Mayor Ross, the Chief Administrative Officer and a Councillor Wilder; and
> That Belcarra representatives have the ability to connect with Metro Vancouver Zero Waste panel members; and
> That a time frame be obtained for participation."

We look forward to working with you on Metro Vancouver's Solid Waste Management Plan Update.

Sincerely,

Lorna Dysart
Chief Administrative Officer

cc Jack Froese, Chair, Zero Waste Committee, jfroese@tol.ca
Sarah Evanetz, Division Manager, Strategy & Stakeholder Relations, sarah.evanetz@metrovancouver.org
Mayor Jamie Ross, Village of Belcarra, jross@belcarra.ca
Councillor Liisa Wilder, Village of Belcarra, lwilder@belcarra.ca

PORT MOODY
CITY OF THE ARTS

100 Newport Drive, Port Moody, B.C., V3H 5C3, Canada
Tel 604.469.4500 Fax 604.469.4550
www.portmoody.ca

May 13, 2021

File No. 5360-01

Sarah Evanetz,
Metro Vancouver
4730 Kingsway
Burnaby, BC V5H 0C6

Dear Sarah Evanetz,

Re: Metro Vancouver's Solid Waste Management Plan Update

The City of Port Moody thanks Metro Vancouver for the opportunity to provide feedback on the engagement process as Metro Vancouver works to update the region's Solid Waste Management Plan.

For the City of Port Moody's ongoing involvement and support please continue to notify the City in writing as engagement opportunities arise, significant milestones are achieved, and throughout all key phases as the Solid Waste Management Plan updates evolve.

Yours truly,

Paul LeBlanc
Manager, Solid Waste, Fleet & Shared Services
Engineering & Operations

EDMS-557636

From: Beth Hazell <info@bamboobirdie.com>
Sent: May 20, 2021 11:45 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: Clothing Waste

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Hi Stephanie,

In regards to the final paragraph In your email, I would prefer my company name to be removed from public documents at this stage. My company hasn't even launched properly I wasn't writing specifically for a public audience (my error I should have realized that invites to comment during public consultation period would be open to public record). Being identified by sector is fine for me.

With appreciation,

Beth Hazell

On Wed, May 19, 2021 at 2:00 PM Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

> Hi Beth,
>
> Thank you for sharing your feedback on Metro Vancouver's solid waste management plan update process. Your comments and specific questions around clothing recycling will be forwarded to Metro Vancouver staff for consideration.
>
> At this early stage, Metro Vancouver is seeking feedback on how you would like to be updated and provide feedback on components of the new plan as it's being developed. There are several ways to provide that input, including completing a 3-min online questionnaire: http://www.metrovancouver.org/services/solid-waste/engagement/swmp/Pages/default.aspx
>
> There will be many opportunities over the next 2-3 years to provide input on the content of the updated solid waste management plan, including discussions on specific topic areas. You can sign up here to ensure you receive updates and engagement opportunities (select "Solid Waste Management Plan Update" as your topic of interest. I would also suggest signing up for "Clothing Waste Reduction").
>
> Please note your comments and Metro Vancouver's response will be included in publicly available Metro Vancouver Board reports about engagement on the solid waste management plan. Please let us know if you would like to have your organization or business information removed, and be identified by sector only.
>
> Thank you,
>
> Stephanie Liu,
> **Public Engagement Coordinator,** Strategy and

Stakeholder Relations
Solid Waste Services



From: Beth Hazell [mailto:info@bamboobirdie.com]
Sent: Sunday, May 16, 2021 5:57 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Clothing Waste

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello,

I am very keen to learn about the new Solid Waste Policy being developed. I am starting a small online retail business in children's clothing and being grounded in the circle economy with sustainability at the heart of what I do.

I am going to encourage customers to return the clothing to me (in ANY condition) when they are finished with them for repair, repurpose or ultimately textile recycling.

Managing my waste stream is hugely important and as a manufacturer as well as a retailer I feel responsibility for every piece of apparel that will go out into the world. The fashion industry is changing and I see my endeavour as being a concept as well as a retail venture.

I would be interested to further discuss what you will be striving for with your redeveloped Solid Waste plan with reference to textile waste to see what I can align with.

Can businesses partner with MetroVan to help tackle this issue? Can the waste from the industry be circled back to form the raw material? The clothing industry uses plastic bottles to make rPET fibre but it means they are dependent on another industry and on a recent fashion industry webinar this very topic was mentioned. We know textiles can be broken down and re-spun to form low grade thread but can this be done locally, is this being done locally already? So many possibilities but it is difficult for small business owners such as myself to grasp what is feasible on a local level. I would love to join the conversation.

Kind regards,

Beth Hazell

From: Ralph McRae <Ralph@mcraegroup.ca>
Sent: May 21, 2021 11:01 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: 'Rob Deane'
Subject: RE: Solid Waste Management Plan Consultation and Engagement
Attachments: Metro Presentation Consultation May 2021.pdf

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

To: All Members of The Solid Waste Management Plan Independent Consultation and Engagement Panel ("Panel"), established by the Greater Vancouver Sewerage and Drainage District ("GVS&DD") Board.

Please assure that this email is timely delivered to all members of the Panel and advise me by return email when that has been done.

I received an unsolicited invitation to present to the Panel on May 17, 2021. By my email of May 1, 2021 I accepted that invitation. You replied on May 4, 2021 with the email below. Therein you state:

> *Please confirm whether this time slot works for you:*
> ***1:40pm-2:10pm on May 17, 2021***
> *You will be allotted* ***10 minutes*** *to present at approximately 1:40-1:50pm. You will enter a waiting room initially.*
> [emphasis added]

I have presented many times to the GVS&DD Board and its Committees. It is your usual practice to provide me five quiet minutes to make my presentation, followed by a question and answer period. The process you outlined above, by all appearances, followed that pattern. Based on those clear instructions, I prepared a presentation that would take almost precisely 10 minutes for me to read to you. I wished to be respectful of your time and instructions and wanted to use only the 10 minutes allocated to me for that purpose. I anticipated the balance of the 20-30 minutes would be dedicated to questions, discussion or debate.

I have spoken to others who received the same invitation from you. Their expectations were no different than mine.

I was in the waiting room of the provided *Zoom* call link at precisely 1:40pm on the 17th instant. The meeting commenced slightly before 1:45pm. Mayor Froese opened with a greeting and introduction. At my first opportunity I told him my presentation would take slightly more than the 10 minutes allotted. He said nothing in direct response and proceeded to ask each of the Panel members on the call to introduce themselves. Those introductions dragged on for the better part of five minutes.

I was then asked to present. Two to three minutes into my 10 minute presentation, Mayor Froese interrupted me saying that the entire call was only scheduled to last 10 minutes and I needed to wrap up. I was shocked. The portion of my presentation read, without the context of the balance, would at best be confusing. I protested the interruption and truncation of time and explained the reason for my distress. All Mayor Froese could say was that he understood "how the instructions could have been misleading", or words to that effect. He then talked over me for the balance of the 10 minute call.

I have read your instructions several times now, both before and since. They are neither complex nor confusing. They provided me the opportunity to present for "10 minutes", not two. The promised opportunity was denied me.

What is even more troubling is that it quickly became obvious I was not the first person to raise this issue with you. Why then - when I had made it clear at the outset I intended to take the full 10 minutes to present - would you ignore me and eat up the majority of the time by telling me in great detail who you each were? That was not only disrespectful it, upon reflection, seems intentionally designed to further limit my time to speak.

My experience with GVS&DD consultations is that they are at best pro forma processes crafted to tick some legal box and convince the uninitiated that their voices have been heard. They are not consultative in the least. You may from time to time hear, but you never listen. After more than a decade of this the reason has become clear: you have an established agenda and have absolutely no interest in the advice, views or opinions of those you regulate and compete with unless – of course - they slavishly support that agenda.

I tried to outline for you a basis upon which Revolution and I could work with you to achieve a better outcome for a region we love and our business has supported for more than three decades. It's so very clear that you could care less about us or what we have to say.

But I can also see how tactics like these benefit you. They so frustrate your potential opponents that many lose the needed motivation to stay involved and your chosen path forward is cleared of obstacles. However, these matters are of such critical import to Revolution and our community that each time you behave so cavalierly, it only steels our resolve to shine the light on and oppose your selfish, misguided interests.

Being an eternal optimist, I prayed this time might be different and the inclusion of Andrea Reimer as Chair of the Panel actually gave me hope. Without her presence, history would have told me to not even waste any time on this. I can now clearly see that regardless of who is involved, you are once again pressing forward with a process bathed in disrespect and disdain for your constituents and that whatever plan you create will be as doomed to failure as those past. To quote Peter Townshend: *We Won't Get Fooled Again*.

Despite my better judgement I enclose the text of the presentation I had intended to make, for whatever twisted record you'll now fashion.

Sincerely,

Revolution
Ralph D. McRae
Chairmand & CEO
(604) 999-9495

From: Metro Vancouver Solid Waste Management Plan Update
Sent: May 4, 2021 2:08 PM
To: Ralph McRae
Subject: RE: Solid Waste Management Plan Consultation and Engagement

Hi Mr. McRae:

Thank you for your interest in meeting with the Independent Consultation and Engagement Panel on May 17, 2021, to discuss how you would like to participate in the solid waste management plan update process over the next 2-3 years. The panel's role is to advise Metro Vancouver staff and Board on the development and implementation of the engagement process related to the solid waste management plan update.

Note at this initial stage of engagement Metro Vancouver is seeking feedback on how you would like to be updated and provide feedback on components of the new plan as it's being developed. This first step will help shape/design our engagement program moving forward. There will be many opportunities in the future to provide feedback on various components of the updated plan itself.

Please confirm whether this time slot works for you:

1:40pm-2:10pm on May 17, 2021

You will be allotted **10 minutes** to present at approximately 1:40-1:50pm. You will enter a waiting room initially.

Please reply to this email to confirm the following details:

- What group, organization or association do you represent?
- Will you have a PowerPoint presentation?
- How many people will be joining the call? Please provide names and position titles if possible.
- Please confirm your attendance, based on the information provided above and the time slot assigned.

Upon your reply to this email to confirm your meeting with the panel, you will receive a calendar invitation with Zoom meeting details and instructions.

Other ways to provide feedback:

Visit our solid waste management plan engagement web page to learn more and complete our 3-minute questionnaire.

Sign up here to receive future updates and invitations to engagement events and activities. Be sure to click "Solid Waste Management Plan update" as a topic of interest.

From: Ralph McRae [mailto:Ralph@mcraegroup.ca]
Sent: Saturday, May 1, 2021 12:05 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Solid Waste Management Plan Consultation and Engagement

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As indicated on your website (http://www.metrovancouver.org/services/solid-waste/engagement/swmp/Pages/default.aspx), I would appreciate the opportunity to speak to the Consultation and Engagement Panel on May 17, 2021.

Please let me know what time works best and provide contact information. My telephone number is below.

Ralph D. McRae
(604) 999-9495

May 17, 2021

Metro Vancouver Consultation

I have two issues to address:

- First, the fundamental assumptions you use to justify your policies; and
- Second, the absolute necessity that you resolve your incompatible conflict as both my regulator and competitor.

Your past efforts at regulatory change failed because your real agenda was different than you claimed. You strove to protect your MSW disposal monopoly, not seek "Zero Waste".

You present "source separation only" systems as a panacea because your industry supporters have for 40 years lived by them and because they will forever produce excessive levels of garbage for you to bury, burn and profit from.

Any initiative that conflicts with that approach – no matter how worthy - is besmirched, hampered and inevitably crushed. The result has been a lost decade.

I could go on for hours, but as time is short, I will focus on two specific real-World examples that, if you open your minds, will explain why you keep falling short of your goals.

RECYCLING RATES:

This is a QUOTE from your own Project Overview:

> *Today, the Metro Vancouver region recycles 63% of the waste generated (compared to a North American average of 26.5%...)*

That is incredible. It's also a bald-faced lie, and provably so. To say it you need to grossly manipulate statistics and ignore the truth. If you use this as the basis for your plan, it will once again fail. So now is the time to come clean and redefine the problem. There will not be another.

Here are some of the simple facts:

- You most recently claim 1.3M tonnes disposed and 2.2M tonnes recycled. That's 63% of 3.5M tonnes. But the sectors you regulate: Residential and ICI, together generate less than 2M tonnes of all types of material.
- To create your bloated statis you throw in Construction & Demolition and claim it achieves a 77% diversion rate, yet your own reports show that every C&D recycling facility in the region is mired in the mid-20's, or below.
- So, you have to jack up your numbers by adding 700,000 tonnes of concrete; something that is 100% recycled and you don't even regulate. The same is true of metals. The result: 25% of your 63% is padding: 40% of your total.
- Why stop there. Start counting old cars and contaminated soils? You're in the MUNICIPAL SOLID WASTE REGULATORY BUSINESS. LIMIT YOUR ANALYSIS TO THAT.

- But it gets worse. You also fail to do the most basic thing needed to drive reliable statistics: a comprehensive supply chain audit **through to end of life**. In your World, when 100,000 tonnes is delivered to a "recycler" you count the entire 100,000 tonnes as being recycled, even if – as is the case with plastics - 90% is landfilled or burned. It's an environmental Ponzi scheme.
- You claim to enforce an Organics ban at your transfer stations, yet when Harvest Power failed in late 2018 you "temporarily" raised the acceptable organic content level per load 500% from 5 to 25%, and burned it. There are plenty of legitimate composters in the Region who would love to recycle that material. You do this because organics are heavy and you need the tipping fee revenue to balance your budget. Do you see the conflict?

Any plan must be built on a firm **and honest** foundation. You delude yourself to our collective detriment. Imagine telling every person in the Region that a new Metro COVID vaccine achieved a 100% immunity rate, with zero side effects. People would quickly forego all others for yours. What if you misled them knowing the true effectiveness was really 50%; half that? Of course, you'd never do that, so why lie about your recycling rates? They are really in the mid-30% range - not the stratospheric mid-60's you claim - and when your voters figure this out they'll be furious.

Here's a shocking example of the truth:

- Recycle BC is mandated to achieve a 73% diversion rate. They last reported an astounding 78%. You, without more, say "bravo" and jam those bogus statistics into your numbers.
- Until last spring Recycle BC was operated by *Green by Nature*, a consortium that included Cascade Paper, Emterra (your transfer station operator) and Merlin Plastics.
- On April Fools Day last year, Recycle BC contacted us. They said they had several thousand tonnes of "mixed paper", jammed into one of Emterra's facilities that they simply couldn't recycle. They asked if we could compost it so they could include that tonnage in their diversion stats. Otherwise, they had to landfill it, dropping their recycling rate well below the 73% threshold. They were in deep trouble.
- They told us the bales contained less than 5% plastic contamination. We asked to pick up a sample to test their claim.
- We took the bale to our MRF and picked through it. [Attachment "A"] 10-man hours later, here is the result: more than 40% plastic contamination. It's garbage, not recyclable material.
- We told them the only way we could help was to manually process everything at a cost of over $200 per tonne. As they pleaded with us to solve their problem it became clear they had a lot more material than they first admitted and were petrified they had a multi-million dollar disaster on their hands that was about to be exposed.
- Merlin's main recycling facility is located on Gifford St in New Westminster. It is regulated by Metro and has strict limits on how much material can be stored there. But, ten blocks away – at 401 Salter Street - is a dilapidated warehouse and storage yard that as you can see on these Google Maps photos at Attachment "B" is littered with thousands of bales of contaminated paper and plastic.
- Salter Street is owned by an affiliate of Merlin and leased to yet another affiliate of Merlin. It is NOT regulated by Metro and to you might as well be China. By my

calculations it is the dumping ground for more than 10,000 tonnes of garbage. The very same type of waste Recycle BC tried to foist on us as recyclable material.

- The cost disposing of that contaminated mess would run well into the millions of dollars. You call it "recycled".
- A few short months later, in the night of October 12, 2020 [Attachment "C"], a **"suspicious"** fire erupted at the secret Salter storage facility and, "ABARACADABRA", all that "garbage" magically disappeared into our air shed. Search the *Global TV* video from that night. You'll be shocked at what you see: https://globalnews.ca/news/7393536/massive-blaze-burning-in-industrial-area-of-new-wests-queensborough-neighbourhood/
- Did you and Recycle BC back those numbers out of your recycling statistics? Go check.
- Just a few years ago that garbage would have been loaded into shipping containers and sent to Asia where it would have ended up in the *Great Pacific Garbage Patch*. You would have counted it as recycled back then too. When that game evaporated, nothing truly changed and unless you do, nothing soon will.

Anecdotally, when Harvest Power shut down two years ago and left **300,000** tonnes of organics rotting on Port land in Richmond, most driven below ground. It was effectively landfilled, not recycled; and it's still there. Did you go back into your files and reverse those huge quantities out of your stratospheric recycling statistics? Of course not. The impact would have been huge.

Nowhere on Earth are municipal recycling rates as high as you claim they are here. What magical alchemy do we have in Metro Vancouver that doesn't exist elsewhere? None, of course.

So why not just accept our real mid-30% rate and work to improve on it?

REGULATORY CONFLICT:

- Your first flow control effort in 2013 took dead aim at Revolution's then new Vancouver MRF. You feared we would recycle the 300,000 tonnes of MSW you wanted to incinerate.
- That fight cost us millions, but we persevered. Today, the facility you so viciously derided, consistently recycles more 80% of the almost 200,000 tonnes it receives every year. We succeeded where others fail by doing things differently; and despite you.
- But your staff still can't stand that we prevailed. They constantly harass us with petty inspections and make detailed drawings of our processes so you can emulate them in your new Coquitlam facility. You use your regulatory powers to spy on us and the confidential information you steal to compete with us.
- And here is how it manifests...
- On February 4, 2021 your Paul Henderson sent a letter to Revolution that included this graph [Attachment "D"]. It shows Revolution's disposal tonnage at Metro dropping by 39% over 29 months, compared to an industry average of 6% he related to COVID. Essentially, Revolution cost Metro more than $5M in tipping fees, and he was mad.
- He demanded that I explain the reason for the drop. To responded constructively to him I would have to divulge our confidential information to a competitor.
- He shortly thereafter reported me to Ray Robb, your Solid Waste Manager and head of enforcement. I then had a call with Ray, where I jokingly mocked him as a tool of the policy

group; which he has always claimed not to be. His shockingly honest reply: *Well, Ralph, you complain about your competitors and Paul is just doing the same.*

- On April 23, Ray Robb wrote, accusing us of shipping waste out of the Region around your system, violating the Generator Levy and, the greatest sin of all: costing you money. Not one thought was given to the prospect that we had actually figured out a better way to recycle. No curiosity. Just accusations.
- The truth is, we have been achieving dramatically improved recycling results and that chart proves it. You could care less, until it hits your pocket.

During the 2013 flow control debate that engulfed Revolution's facility, then Councillor Reimer asked one of the most commonsensical questions I've heard in this venue: *If their facility even gets 1% greater recovery than we otherwise would, and they are taking all the risk, why not let them try?* No one voiced the true answer: *Because they will steal tipping fee revenue from us and we won't be able to build our shiny new incinerator.*

That very facility – that your staff condemned in the harshest terms as a "Dirty MRF", now out-recycles your real average by 250%.

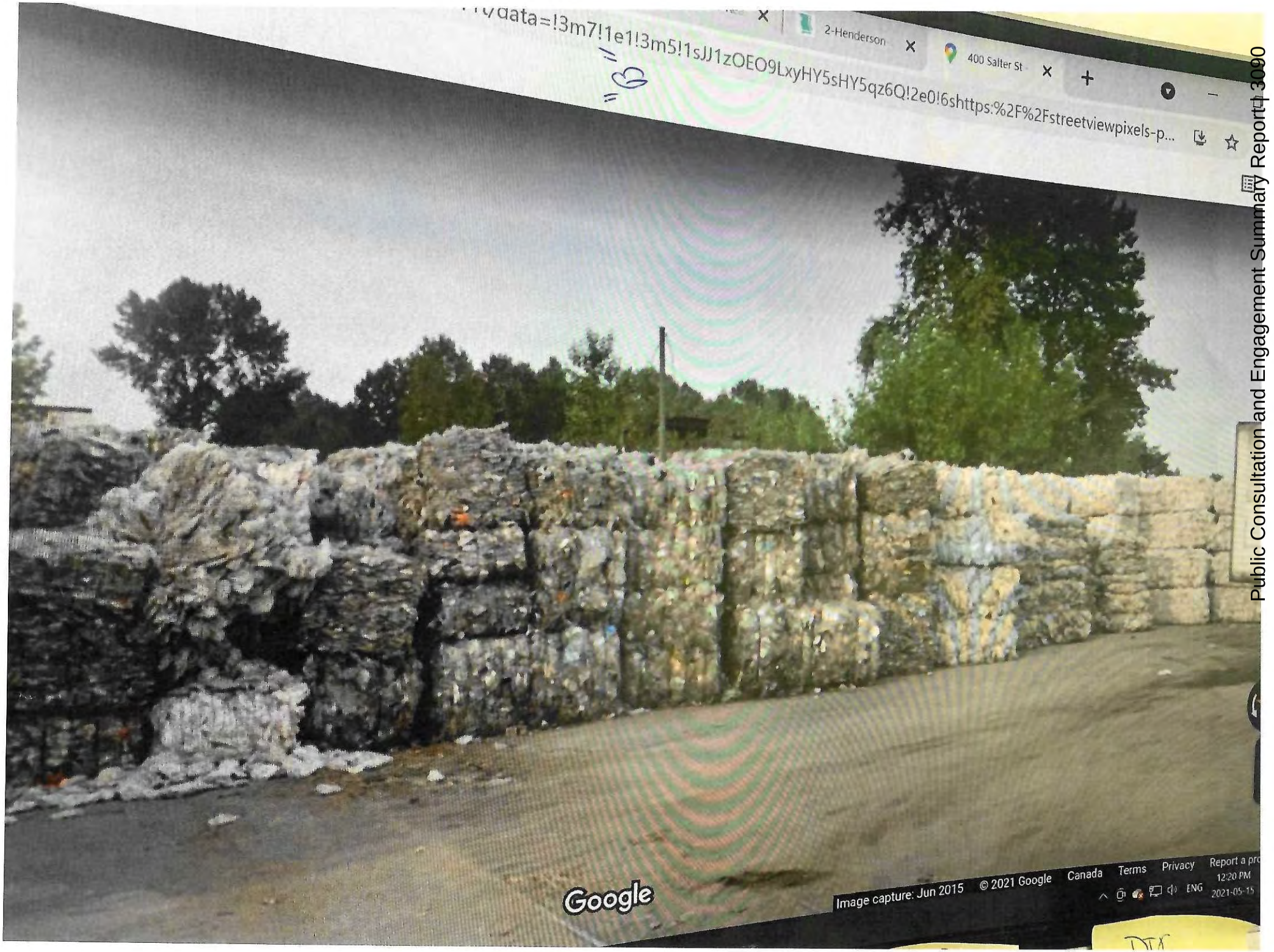
It appears to me that nothing tangible has changed in the past ten years. You don't talk of incinerators anymore, but you still want all the garbage you can lay your hands on, regardless of the impact on recycling rates. When you fine someone for bringing recyclables to your transfer stations, you don't recycle it, you dump it in the pit and burn it. When are you going to admit that Zero Waste actually means Zero Metro and you can't tolerate that? Your only hope is to sell off your transfer stations and focus on constructive regulation and motivation.

Leaving these two issues unresolved dooms any plan you develop to failure. If, however, you come clean and your motivations are pure, I'm your biggest supporter.

Thank you for listening.

"A"

401 Salter St,
New Westminster, BC...
Aecon
"B"



Public Consultation and Engagement Summary Report | 3090

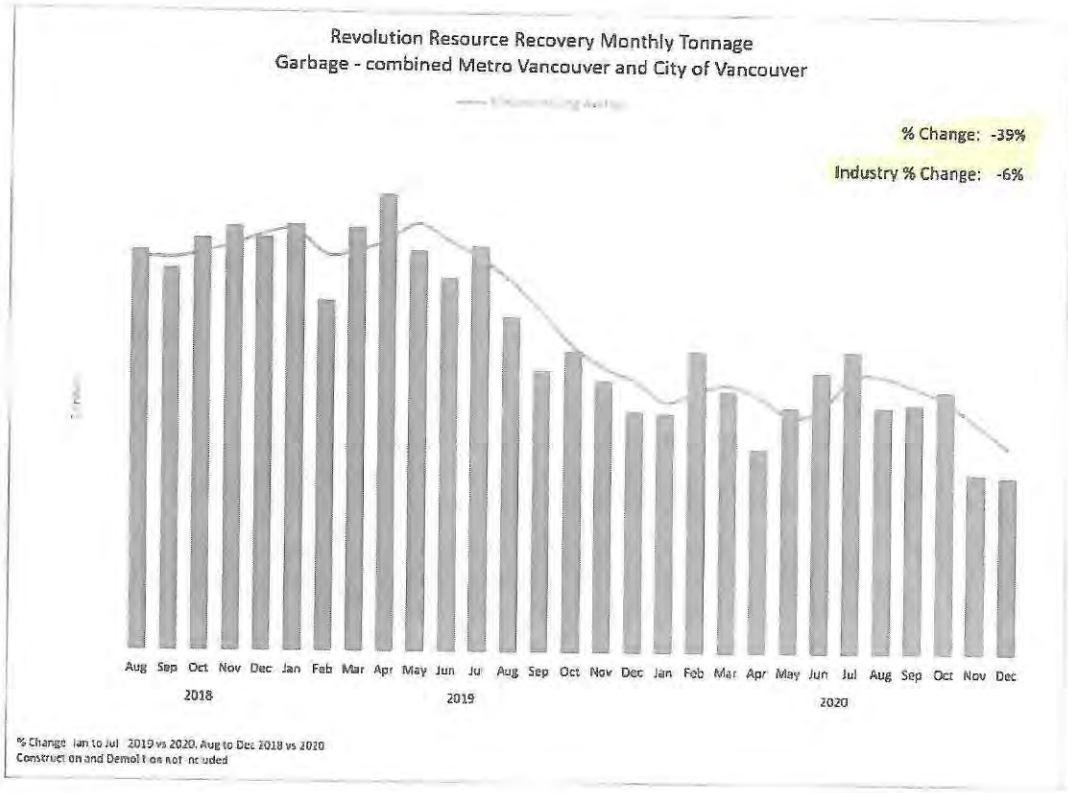
"C"



401 SALTER ST.
NEW WEST
OCT 12, 2020

Ralph D. McRae, Revolution Resource Recovery
Waste Quantities Delivered to Metro Vancouver and City of Vancouver Solid Waste Facilities
Page 2 of 2

Attachment: Revolution Waste Quantities at Metro Vancouver and City of Vancouver Solid Waste Facilities



43062772

From: Metro Vancouver Solid Waste Management Plan Update
Sent: May 21, 2021 5:40 PM
To: 'Ralph McRae'
Cc: 'Rob Deane (RDeane@blg.com)'
Subject: RE: Solid Waste Management Plan Consultation and Engagement

Good afternoon Ralph,

Thanks for your submission below. Your email and attachment were forwarded to all members of the Independent Consultation and Engagement Panel today.

Please note that your email submission and attachment may be included in a publicly-available report to the Zero Waste Committee and Metro Vancouver Board. If you would prefer that your submission is not included in a public report, please do let us know.

We look forward to hearing from you and working with you over the next 2-3 years as we engage on and develop components of the updated solid waste management plan.

Thank you,

Stephanie Liu, MEnvSc, EPt
Public Engagement Coordinator, Strategy and Stakeholder Relations
Solid Waste Services
c. 778-938-8932

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From: Ralph McRae [mailto:Ralph@mcraegroup.ca]
Sent: Friday, May 21, 2021 11:01 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: 'Rob Deane (RDeane@blg.com)'
Subject: RE: Solid Waste Management Plan Consultation and Engagement

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

To: All Members of The Solid Waste Management Plan Independent Consultation and Engagement Panel ("Panel"), established by the Greater Vancouver Sewerage and Drainage District ("GVS&DD") Board.

Please assure that this email is timely delivered to all members of the Panel and advise me by return email when that has been done.

I received an unsolicited invitation to present to the Panel on May 17, 2021. By my email of May 1, 2021 I accepted that invitation. You replied on May 4, 2021 with the email below. Therein you state:

Fraser Valley Regional District

www.fvrd.ca | info@fvrd.ca

June 9, 2021

Chair Dhaliwal and Board of Directors
Metro Vancouver
Metrotower III, 4730 Kingsway,
Burnaby, B.C. V5H 0C6

Via email: chair@metrovancouver.org, jfroese@tol.ca

RE: Metro Vancouver's Solid Waste Management Plan – Pre-Engagement Feedback

Dear Chair Dhaliwal and Director Froese,

Thank you for the delegation to the Fraser Valley Regional District (FVRD)'s Board on May 27, 2021 to speak on Metro Vancouver's engagement strategy for an updated Solid Waste Management Plan. The FVRD Board members appreciate the update and the opportunity to ask questions about this important initiative.

The FVRD is committed to working with all stakeholders to find solutions to solid waste challenges we all face. Below is a summary of the feedback from the FVRD regarding Metro Vancouver's proposed plan and consultation:

- **Development or utilization of additional incineration capacity –** The delegation stated that Metro Vancouver's focus is on "reducing, reusing, recycling, and advancing the circular economy. Metro Vancouver's goal is that it won't have to build additional (incinerator) capacity."

  We interpret this to mean that Metro Vancouver has no current or long-term plans to increase the level of garbage incineration, either through expanded or new waste-to-energy facilities or by diverting additional solid waste to cement plants or other incinerators. We expect this intent will be reflected in the updated Solid Waste Management Plan. If this is Metro Vancouver's vision, the FVRD views this intention with great relief.

  If our interpretation is incorrect, however, we expect that Metro Vancouver will clarify. We value your commitment to a positive, transparent engagement process, including an honest discussion about Metro Vancouver's plans for incineration so that this consultation can be meaningful and productive. The FVRD wants stakeholders to be fully informed if additional incineration, in any capacity, is still being contemplated for the future.

- **Impacts to neighbouring jurisdictions –** Our understanding is that the Province has instructed Metro Vancouver to consider how changes to their Solid Waste Management Plan, including draft waste flow bylaws, will limit the free-market flow of waste and consequently impact neighbouring jurisdictions. We assume Metro Vancouver will be commissioning a study to research this issue, and we ask that the FVRD be provided with the opportunity to be involved.

- **Time provided for feedback –** We respectfully ask that adequate time be provided to stakeholders for feedback and comments. We know that you acknowledge it can often take several weeks or longer for items or reports to be thoroughly reviewed by staff and then be discussed at the appropriate committee

45950 Cheam Avenue | Chilliwack | V2P 1N6 Phone: 604-702-5000 | Toll Free: 1-800-528-0061 | Fax: 604-792-9684

or Board meeting. We appreciate Metro Vancouver's willingness to work with stakeholder timelines and capacities.

- **Communication method –** In general, the FVRD is open to using a variety of means in which to be consulted, but face-to-face staff meetings or workshops are preferable. We also hope delegations from Metro Vancouver to the FVRD Board will continue as this process moves forward to allow for interactions and dialogue between elected officials.

The FVRD supports a regional approach to waste management and recognizes that collaboration among local governments, Indigenous communities, the Province, and industry, is needed to succeed. We look forward to working with Metro Vancouver on identifying opportunities for partnerships and collectively build a circular and clean economy. Thank you for the opportunity to provide comments as part of this pre-engagement phase of the consultation.

Sincerely,

Jason Lum
Chair, Fraser Valley Regional District Board

cc: Honourable George Heyman, Minister of Environment and Climate Change Strategy (ENV.Minister@gov.bc.ca)

Carol Danyluk, Section Head - Municipal Solid Waste, BC Ministry of Environment and Climate Change Strategy (Carol.Danyluk@gov.bc.ca)

Andrea Reimer, Chair of the Independent Consultation and Engagement Panel (andrea.reimer@citizenandrea.ca)

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Executive Offices
Tel. 604 432-6215 or via email
CAOAdministration@metrovancouver.org

July 7, 2021

File: PE-13-01

Chair Jason Lum
Fraser Valley Regional District
45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: jlum@fvrd.ca; kkohuch@fvrd.ca

Dear Chair Lum:

Metro Vancouver's Solid Waste Management Plan – Pre-Engagement Feedback

Thank you for your letter dated June 9, 2021 (received by email June 11, 2021), providing the Fraser Valley Regional District (FVRD) Board's pre-engagement feedback on Metro Vancouver's solid waste management plan update. It was our pleasure to attend and present at the FVRD Board meeting on May 27, 2021. Metro Vancouver is committed to maintaining open and transparent communication with the FVRD, while working collaboratively to advance our common goals in waste reduction, diversion, and circular economy as we update the regional solid waste management plan.

Metro Vancouver strives to provide adequate time for feedback in each phase of engagement, as we understand that different audiences have varying needs and expectations. In this respect, Metro Vancouver recognizes that the FVRD and other government bodies often require several weeks for staff review, followed by discussion at scheduled committee or Board meetings. We also note your preference for face-to-face staff meetings and workshops; therefore, we would be happy to present and receive feedback at future FVRD Board meetings as requested.

Your letter also requests additional information on Metro Vancouver's future plans for waste-to-energy, as well as potential impacts of an updated solid waste management plan on neighbouring jurisdictions.

Waste-to-Energy:
Metro Vancouver considers waste-to-energy to be a cost effective and environmentally sustainable way to manage residual garbage. Metro Vancouver's solid waste management plan update will focus on reduction, reuse, recycling and advancement of the circular economy. Our goal as a region is to avoid the requirement for any new disposal capacity, waste-to-energy or otherwise, through the success of our waste reduction actions.

To further maximize the beneficial use of residual waste, Metro Vancouver is initiating procurement for an interim processing strategy of small load waste received at regional solid waste facilities, which

currently disposes as garbage. This waste is composed primarily of wood and other building materials, and the interim processing strategy would allow the material to be sent to existing construction and demolition facilities to recover recyclables and create an alternative fuel product from any residual material. This interim strategy will provide valuable information on environmental performance, including associated emissions reductions (expected to be up to 20,000 tonnes CO_2 equivalent per year), as Metro Vancouver considers a more permanent solution.

In late 2019, Metro Vancouver provided a summary of the alternative fuel and recyclables recovery project to stakeholders, and following the receipt of feedback including feedback from the FVRD, the project scope was updated to address air quality concerns and ensure the highest and best end use of available material.

Waste Flows and Potential Impacts to Neighbouring Jurisdictions:
In consideration of Metro Vancouver's proposed *GVS&DD Commercial Waste Hauler Licensing Bylaw No. 207, 2017* and proposed updates to Metro Vancouver's private facility licensing bylaw (*GVS&DD Solid Waste and Recyclable Material Regulatory Amending Bylaw No. 309, 2017*), your letter expressed that the Ministry of Environment and Climate Change Strategy noted specific items they would be looking for in an updated solid waste management plan; in particular, the Ministry will consider how changes to the plan "may affect the solid waste management system, both within Metro Vancouver and in neighbouring regional districts". Potential impacts to neighbouring jurisdictions will be among the considerations in the development of a new solid waste management plan. We look forward to exploring these issues with adjacent regional districts including the FVRD through studies or other mechanisms.

In place since January 1, 2018, the Generator Levy requires waste haulers who deliver waste to a facility other than a Metro Vancouver or City of Vancouver solid waste facility to collect and remit the Generator Levy to Metro Vancouver. The Generator Levy ensures that all generators contribute to the cost of the regional solid waste management system in an equitable manner.

Thank you once again for taking the time to submit your feedback during the pre-engagement phase of Metro Vancouver's solid waste management plan update process. Your letter and Metro Vancouver's response will be included in a publicly available Zero Waste Committee report summarizing pre-engagement feedback. Pre-engagement feedback will inform an engagement program for the solid waste management plan update.

Yours sincerely,

Sav Dhaliwal
Chair, Metro Vancouver Board

Jack Froese
Chair, Zero Waste Committee

SD/JF/PH/sl

46211456

cc: Honourable George Heyman, Minister of Environment and Climate Change Strategy
Carol Danyluk, Section Head – Municipal Solid Waste, Ministry of Environment and Climate Change Strategy
Andrea Reimer, Chair, Solid Waste Management Plan Independent Consultation and Engagement Panel
Jennifer Kinneman, Chief Administrative Officer, Fraser Valley Regional District
Stacey Barker, Director, Regional Services, Fraser Valley Regional District

46211456

From: Mike Manion [mailto:mike@agriscosupplies.com]
Sent: Tuesday, June 8, 2021 5:00 PM
To: Carla Stewart <Carla.Stewart@metrovancouver.org>
Subject: Clean Air Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Carla,
I have reached out to some contacts and in combination with my own thoughts have provided some thoughts.

Re Waste Plan Q: How would the AAC like to engage in the preparation of the Solid Waste Management Plan? Any other questions/comments?

It is important that the solid waste Management plan be engaged through the lens of systems solutions. Many programs such as the National Industrial Symbiosis Program (NISP Canada) have shown the tremendous potential for what is viewed as waste today, can in fact be converted to economic and environmental benefits. There are situations where regulations and plans have friction at interface points, or worse, become set against each other.

Best
Mike

Sent from Mail for Windows 10

Metro Vancouver Draft Clean Air Plan – AAC Comment Sheet

The information collected from these sheets will be cut and pasted into a collated version, signed by the AAC Chair and forwarded to the Clean Air Plan staff.

Please fill in your comments and/or questions and return this form to carla.stewart@metrovancouver.org by: **June 7, 2021**.

Draft Clean Air Plan Actions – Issue Area 4: Agriculture

MAJOR REGIONAL ACTIONS

4.1.1 Reduce Emissions from Greenhouses. Work with the BC Government, BC Agricultural Council, BC Greenhouse Growers Association and member jurisdictions to explore opportunities to reduce emissions from greenhouses. Opportunities could include improving energy performance and transitioning to using more clean, renewable energy.
Perhaps best to run competitions to reduce emissions in this category.
4.1.2 Reduce Open-Air Burning. Work with the agricultural producers to reduce barriers to adopting alternatives to open-air burning of agricultural vegetative waste. These alternatives would complement open-air burning regulatory requirements.
Opportunities are emerging for solutions such as gasification, and more facilities are opening where waste biomass can be utilized in cleaner ways. This will be best supported with a strategy, and perhaps a competition seeking cleaner alternatives.

SUPPORTING REGIONAL ACTIONS

4.1.3 Outreach Program on Reducing Agricultural Emissions. Develop and implement an awareness and outreach program on reducing agricultural emissions. The program would be developed with the agriculture community, member jurisdictions and BC Government, and would supplement existing agricultural outreach and support programs.
Programs such as CleanBC, Agricultural Clean Technologies, and Agricultural Climate Solutions are investing to find new options/opportunities. These should be leveraged into community scale, regional, and provincial strategies that can bring these things into appropriate context.
4.1.4 Enhance Funding for Environmental Farm Plans. Advocate to the Government of Canada and BC Government to enhance the funding for developing and implementing Environmental Farm Plans. This program helps agricultural operations reduce emissions of particulate matter, ammonia, nitrous oxide, methane and odorous air contaminants. This should include continued development and promotion of beneficial management practices, as well as providing incentives and technical guidance to farms to support adoption of low emission practices and technologies.
This is an appropriate use of resources, and does look at solutions systemically. Farms that have completed the EFP should receive priority access to other current and future programs.
4.1.5 Incentives for Farmers to Transition to Lower Emission Equipment. Advocate to the BC Government and Government of Canada to enhance or develop incentives (or tax credits) for cleaner agricultural equipment. This would help accelerate the transition to lower emission equipment (e.g., a harvester with better emission controls) or encourage the installation of improved emission controls on existing equipment (e.g., diesel particulate filters). Higher incentives should be available for zero emission equipment to increase their adoption. (Action 3.2.3 advocates for incentives for cleaner non-road equipment for non-agricultural uses.)
Modern equipment is now very clean burning. It would be advisable to focus support on post internal combustions options, not just on better diesel. Total systems solutions that drive efficiencies present the best opportunities, and support for community scale collaboration should also be encouraged.
4.1.6 Pilot Study with Zero Emission Agricultural Equipment. Work with the BC Government and the agriculture community to develop a pilot study for zero emission agriculture equipment such as an electric tractor. The study could identify the long-term pathways for wider adoption of zero emission agricultural equipment, including infrastructure requirements.
This is more logical that 4.1.5 as these represent step change, not incremental improvements.

4.1.7 Regulatory Requirements for Cannabis Industry. Develop an emission regulation to reduce air quality impacts from the cannabis industry. Regulatory requirements would be based on air quality impacts, emission reduction potential, and other factors.
Odour abatement is a substantial impactor for the Cannabis industry. Should ask for industry best practices before regulation.
4.1.8 Streamline Emission Requirements for Anaerobic Digestion Facilities. Develop an emission regulation for anaerobic digestion of manure, other agricultural waste and commercial food waste. The regulation would maintain equivalent protections for regional air quality and human health as the existing permit process, and would provide a simpler path to regulatory compliance.
It will be beneficial to have some sort of standardization for developers, however agriculture will benefit from the creation of a distinction between facilities that do, and facilities that do not process off farm materials. Also, community scale facilities that can reach economies of scale, operating as co-operatives owned by the contributing farms should be encouraged.
4.1.9 Expand Anaerobic Digestion of Agricultural Waste. Advocate to the BC Government, Government of Canada, energy utilities and member jurisdictions to expand development of anaerobic digestion facilities to process manure, other agricultural waste and commercial food waste. This could include financial incentives (and tax credits) and removal of barriers in existing regulations. Any expansion should avoid the loss of agricultural land in the Metro Vancouver region.
There are substantial programs in place to support the creation of anaerobic digestion. The fundamental barriers that remain are around the smaller scale of Canadian farms. Interconnection and other costs are prohibitive for anything smaller scale. The opportunity is for community scale facilities if the sale of energy is an output, or to identify opportunities for other products to be made, such as ammonia, or microbial conversions to bioproducts/biomaterials.
4.1.10 Encourage Local Agriculture. Advocate to member jurisdictions and other regional partners to continue encouraging more local food production, prioritizing agricultural practices that reduce emissions or help sequester carbon.
This is an important aspect. Again, the opportunity is for community and regional scale collaboration across sectors. Working through the lens of Food systems will allow synergy values to be realized.

WASTE CONNECTIONS OF CANADA

June 23, 2021

The Solid Waste Management Plan Independent Consultation and Engagement Panel
Metrotower 3
4730 Kingsway
Burnaby, BC
V5H 0C6
Attn: Andrea Reimer, Chair

Dear Ms Reimer,

I want to thank you for providing an additional opportunity to present our input to your Panel. Your response is an important acknowledgement of the negative feedback you received. Nevertheless, I feel it is important to place on the record my concerns about our first appearance before your Panel.

On Monday, May17th, our team from Waste Connections of Canada made a presentation to the Consultation and Engagement Panel. As I ended my comments, I specifically noted that I would be honest and forthright with the Panel throughout the process. In that spirit of honesty, I have to say I was taken aback and disappointed by the format of this so-called consultation and I want to express my dissatisfaction at this time, lest anyone be left with the misapprehension that this was properly handled.

Throughout the call, I was confused as to whether we had misread the invitation. But when we went back to verify, we discovered that the email stated, **"Please confirm whether this time slot works for you: 2:20pm-2:50pm on May 17, 2021. You will be allotted 10 minutes to present at approximately 2:20-2:30pm. You will enter a waiting room initially."** We prepared our presentation and allocated time according to those ground rules

We structured a 9-minute presentation, with a further 21 minutes remaining for what we assumed would be dialogue with the panelists. We joined the call at 2:20 pm and were informed that the 10 minutes included the time during which the panelists would introduce themselves. At 2:24 pm we were given the floor. We spoke until 2:29 pm, whereupon we were thanked and told that there would be no time for questions. I ended with a commentary that we want to be cooperative and helpful, although I was honestly not reassured by what had just occurred.

We were planning to expound on the elements of a consultation process to be followed-up with a thoughtful summary of our exchange. However, I am now left doubting the sincerity of this entire process and I want to go on the record to say that this does not constitute consultation by any reasonable definition of the word. We entered this consultation in good faith hoping to contribute to a

Canadian Region Office| 6220 Hwy 7, Suite 600 Woodbridge, ON L4H 4G3| T:905-532-7510
wasteconnectionscanada.com

process that we could buy into. We prepared to present ideas. We were misled and given the short shrift.

When we look back at the experience of the processes that led to Bylaws 280, as well as 307/8/9, we see a pattern of behaviour that seems to view Industry feedback as an inconvenience. The decisions appeared pre-baked and the process seemed intended to support an outcome, rather than shape an outcome.

I certainly hope that our next encounter with the Panel will prove to be an opportunity for true dialogue that will form the basis of an open and transparent consultation.

Sincerely,



Izzie Abrams
Vice President Government & External Affairs

Canadian Region Office | 6220 Hwy 7, Suite 600 Woodbridge, ON L4H 4G3 | T:905-532-7510
wasteconnectionscanada.com

From: Metro Vancouver Solid Waste Management Plan Update
Sent: June 25, 2021 4:09 PM
To: 'Izzie Abrams'
Cc: 'Dimitri Pantazopoulos'; 'Richard Truscott'; 'Mary Polak'
Subject: Re: Letter to Consultation and Engagement Panel on June 23, 2021

Please see message below from Andrea Reimer, Chair, Solid Waste Management Plan Independent Consultation and Engagement Panel:

Hi Izzie,

I received your letter dated June 23, 2021. Thank you for your honest comments. I have shared your letter with the rest of the Consultation and Engagement Panel as well as Metro Vancouver staff to ensure that they are aware of your concerns. Please note that your email submission and attachment may be included in a publicly-available report to the Zero Waste Committee and Metro Vancouver Board per Metro Vancouver's policies regarding public disclosure of materials. If you would prefer that your submission is not included in a public report, please do let me know.

I apologize for the confusion over the structure of the panel meeting on May 17, and acknowledge your concerns about insufficient time allotted for you to speak with the panel. The pandemic has forced adaptations to our usual engagement methods which have come with unanticipated challenges. Specifically:

- The understandable misunderstanding that the 30 minute time blocks were for 3 presenters / groups.
- Not factoring in the extra time the panel would need to provide introductory comments for each of the 3 presenters/groups in each time block (rather than once at the beginning as would be the case for an in-person meeting)

I am glad that we were able to rectify it by offering another opportunity to get it right. We are looking forward to meeting with you once more this coming Monday. There will be a full 15 minutes provided to you and your team to present, starting at 9:10am. Following your presentation, there are 5 minutes available if there are questions from the Consultation and Engagement Panel. If there isn't enough time for questions from the panel, we hope you will be amenable to us following up by email. We will need to be quite precise with the timing as we are scheduled to speak with another group following yours. We are happy to engage in any follow up discussions or correspondence as needed.

I did want to emphasize once more that this is the pre-engagement phase and that there will be other opportunities to speak with the panel about engagement during future phases, and to provide input on solid waste management plan content via a range of channels.

We truly are striving for an open, transparent engagement that actively considers feedback from all interested stakeholders, and allows sufficient time to do so. Please don't hesitate to be in touch again at any point in the process if you have any questions.

Andrea Reimer

WASTE CONNECTIONS OF CANADA

July 7, 2021

Via email: icentre@metrovancouver.org

The Solid Waste Management Plan Independent Consultation and Engagement Panel
Andrea Reimer, Chair
Metrotower 3
4730 Kingsway
Burnaby, BC
V5H 0C6

Thank you for the follow up email. We appreciated the opportunity to provide a more fulsome presentation.

In answer to your questions:

1. In the context of ongoing engagement, we would be interested to hear your thoughts on when you see the process ending – for example, when the plan is approved or as it is being implemented.

We believe engagement should continue through implementation albeit, it may be in a different format. It will be important to regularly check in with industry representatives to understand the impact on the ground and be able to make necessary adjustments.

2. The Industry Advisory Committee is one possible vehicle for engagement during plan development and implementation. When the draft Terms of Reference are published on July 9, we will forward you a link, and would be interested in your thoughts on whether it meets the tests you described for a successful framework for industry engagement.

We look forward to reviewing the Terms of Reference and hopefully to participating on the Committee. We would also like to take this opportunity to emphasize that WMABC does not represent Waste Connections of Canada or the industry as a whole. May we suggest you consider including representation from the Solid Waste Association of North America (SWANA) and/or the National Waste and Recycling Association (NWRA). Both associations are North America wide and as such view the issues through a broader lens.

Again, thank you for the opportunity to respond. As discussed during our presentation, we will follow up by providing information with respect to baseline data for the purposes of consultation and engagement.

Regards,



Izzie Abrams
Vice President- Government Relations & External Affairs

Canadian Region Office| 6220 Hwy 7, Suite 600 Woodbridge, ON L4H 4G3| T:905-532-7510
wasteconnectionscanada.com

From: Metro Vancouver Solid Waste Management Plan Update
Sent: July 7, 2021 4:33 PM
To: 'izzie.abrams@wasteconnections.com'
Cc: 'Dimitri Pantazopoulos'; 'Mary Polak'
Subject: RE: Scanned from a Xerox Multifunction Printer

Hi Izzie,

Thank you for your letter. It has been forwarded to all Consultation and Engagement Panel members, and will be included as an attachment to a report in the July 16, 2021 Zero Waste Committee agenda (to be published this Friday).

Thank you,
Stephanie

Stephanie Liu, MEnvSc, EPt
Public Engagement Coordinator, Strategy and Stakeholder Relations
Solid Waste Services
c. 778-938-8932

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-----Original Message-----
From: Izzie Abrams [mailto:izzie.abrams@wasteconnections.com]
Sent: Wednesday, July 7, 2021 1:11 PM
To: Information Centre <ICentre@metrovancouver.org>
Cc: Information Centre <ICentre@metrovancouver.org>; Dimitri Pantazopoulos <dimitri@mapleleafstrategies.com>; Mary Polak <mary@mapleleafstrategies.com>
Subject: FW: Scanned from a Xerox Multifunction Printer

WARNING: This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.

Andrea
Please find enclose our response to the questions that you had submitted to us.
Once again thank you for the opportunity to have a second and more robust conversation, it was greatly appreciated.
Regards,
Izzie

Izzie Abrams
Vice President, Government & External Affairs

T: 905-532-7532 | F: 905-532-7580 | C: 416-464-4931 Waste Connections of Canada | 6220 Hwy 7, Suite 600 | Woodbridge, Ontario, L4H 4G3 www.WasteConnectionsCanada.com

From: Metro Vancouver Solid Waste Management Plan Update
Sent: July 20, 2021 1:41 PM
To: 'mary@mapleleafstrategies.com'
Cc: 'izzie.abrams@wasteconnections.com'; 'dimitri@mapleleafstrategies.com'
Subject: RE: Info: Consultation and Engagement Panel

Please see message below from Andrea Reimer, Chair, Solid Waste Management Plan Independent Consultation and Engagement Panel:

Hi Mary,

Thanks for your email regarding data considerations and the attached Fraser Institute report. I have shared your email and the resource with the rest of the panel members, and have also directed this email back to Metro Vancouver solid waste staff for their information and consideration.

In future, please feel free to email the solid waste management plan project email, zerowaste@metrovancouver.org, and your message will be forwarded to the Consultation and Engagement Panel and directly available to solid waste staff for information.

Andrea Reimer

From: Mary Polak [mailto:mary@mapleleafstrategies.com]
Sent: Thursday, July 15, 2021 12:35 PM
To: Information Centre <ICentre@metrovancouver.org>
Cc: Izzie Abrams <izzie.abrams@wasteconnections.com>; Dimitri Pantazopoulos <dimitri@mapleleafstrategies.com>
Subject: Info: Consultation and Engagement Panel

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On behalf of Waste Connections of Canada

Attention: Andrea Reimer, Chair, Consultation and Engagement Panel

Dear Andrea,

During our last presentation to the Panel, we discussed the importance of beginning any consultation process using an agreed upon set of data. We committed to providing some examples.

I have attached a recent report from the Fraser Institute which the Panel members may find helpful. It deals with data at a Provincial and National level, however, the same data is available on a regional level and the report provides a good example of the type of analysis necessary.

I would also like to emphasize the importance of understanding the success of diversion. Data with respect to contamination of loads along with a detailed breakdown of the ultimate destination of blue box and composted materials would assist with understanding the full cycle and where performance could be improved.

Regards,
Mary

Mary Polak | Strategic Advisor
Maple Leaf Strategies
Ottawa | Vancouver | Calgary | Toronto
680-650 W Georgia Street
Vancouver, BC V6N 4N7
T: 604-338-9969



2.0 – Vision and Guiding Principles Phase

From: Cody Irwin <Cody@sharewares.ca>
Sent: May 26, 2023 7:32 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: April 28 PTAC Notes and Workshop Summary Now Posted
Attachments: image001.png

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Thanks and you too!

On Fri, May 26, 2023, 7:55 p.m. Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

> Thanks so much Cody.
>
> Definitely something to keep in mind on the education and behavior change front.
>
> We really appreciate your feedback and it will be included in our records of engagement on the solid waste management plan update for the purpose of developing the vision and guiding principles.
>
> Have a great weekend,
>
> Stephanie Liu
> **MEnvSc, EPt**
> **Senior Engagement Specialist,** Strategy and Stakeholder Relations
> Solid Waste Services
> c. 778-938-8932

From: Cody Irwin <Cody@sharewares.ca>
Sent: Friday, May 26, 2023 11:49 AM
To: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Cc: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>; Alice Henry [redacted]; Ben Liegey <ben@bettertable.ca>; Bill Chan [redacted]; Brenda Martens <brenda@aedify.ca>; Brianne De Man <brianne.deman@binnersproject.org>; Christian Dietrich [redacted]; Craig Hodge <CHodge@coquitlam.ca>; Daniel Rotman <consulting@danielrotman.com>; Doug Schell [redacted]; Grant Hankins [redacted]; Hunter Bergen [redacted]; Jack Froese <jfroese@tol.ca>; Jake Turek <jake.turek@gov.bc.ca>; Jamie Kaminski <jamie@hsrzerowaste.com>; Jaye-Jay Berggren <jaye-jay@seatoskysoils.com>; Jessica Savoy [redacted]; John Doherty <dohertya@douglascollege.ca>; Kevin Huang ??? <kevin@huafoundation.org>; Louise Schwarz <louise@recyclingalternative.com>; Love-Ese Chile <info@regenwastelabs.com>; Lyndsay Poaps <Lyndsay@rcbc.ca>; Mary Polak <mary@mapleleafstrategies.com>; Matthew Morin [redacted]; Michael Zarbl <mzarbl@marrbccollab.ca>; Raman Johal <rjohal4@londondrugs.com>; Sara Larter [redacted]; Tara Immell [redacted]; Ulwiana Mehta-Malhotra [redacted]; William Selten [redacted]; Yasmin Abraham <yasmin@empowerme.ca>; SW - Management <SW-Management@metrovancouver.org>; Terry Fulton <Terry.Fulton@metrovancouver.org>; Jessica Yamamoto <Jessica.Yamamoto@metrovancouver.org>
Subject: Re: April 28 PTAC Notes and Workshop Summary Now Posted

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Great points Sue and thanks Stephanie!

I believe enjoyment/entertainment/fun are underutilized yet powerful levers to excite and engage the community to unite communities and motivate collective progressive action…and the desired behaviour change and social norms that can result 👍

My 2 cents :)

Have a great weekend!

Cody

--



Cody Irwin, B.Eng (he/him)
CEO

ShareWares
69 West 3rd Ave
Vancouver, BC V5Y 3T8
ShareWares.ca

Located on the unceded territories of the xʷməθkʷəy̓əm (Musqueam), sḵwx̱wú7mesh (Squamish), sel̓íl̓witulh (Tsleil Waututh), and Coast Salish peoples.

On Fri, May 26, 2023 at 10:28 AM Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca> wrote:

> Thanks Stephanie,
>
> I think that some comments were missed in the summary:
>
> - adopting the Zero Waste Hierarchy and the associated principles
> - looking at the doughnut economic model to live within our planetary means while ensuring no one falls short on life's essentials
> - stop burning the waste in the incinerator
> - minimizing risk (health, environment, financial) and using the precautionary principle
> - starting at the top of the hierarchy instead of moving up
> - resilience
>
> Others may see gaps too.

Cheers,

Sue

On May 19, 2023, at 11:23 AM, Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

Dear members of the Solid Waste Management Plan Public/Technical Advisory Committee:

Thank you for your participation in the April 28, 2023 meeting and workshop on vision and guiding principles for the updated solid waste management plan. The meeting notes, along with the attached summary of what we heard during the workshop, are now available on the Metro Vancouver website here.

You are welcome to submit any additional feedback to zerowaste@metrovancouver.org, if possible by May 31, 2023.

In addition, we would like to share the photos from the April 28 workshop and tour of United Boulevard Recycling and Waste Centre:

- Workshop: https://adobe.ly/42OnvR2
- Tour: https://adobe.ly/3pMXFy7

Thank you and see you online on June 1!

Stephanie

Stephanie Liu
MEnvSc, EPt

Senior Engagement Specialist, Strategy and Stakeholder Relations
Solid Waste Services
c. 778-938-8932



From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: May 28, 2023 9:12 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: April 28 PTAC Notes and Workshop Summary Now Posted

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Thanks Stephanie!

On May 26, 2023, at 4:59 PM, Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

Thank you Sue for providing these additional comments.

We really appreciate your feedback and it will be included in our records of engagement on the solid waste management plan update for the purpose of developing the vision and guiding principles.

Have a great weekend,

Stephanie Liu
MEnvSc, EPt
Senior Engagement Specialist, Strategy and Stakeholder Relations
Solid Waste Services
c. 778-938-8932
<image001.png>

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: Friday, May 26, 2023 10:28 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: Alice Henry [redacted]; Ben Liegey <ben@bettertable.ca>; Bill Chan [redacted]; Brenda Martens <brenda@aedify.ca>; Brianne De Man <brianne.deman@binnersproject.org>; Christian Dietrich [redacted]; Cody Irwin <Cody@ShareWares.ca>; Craig Hodge <CHodge@coquitlam.ca>; Daniel Rotman <consulting@danielrotman.com>; Doug Schell [redacted]; Grant Hankins [redacted]; Hunter Bergen [redacted]; Jack Froese <jfroese@tol.ca>; Jake Turek <jake.turek@gov.bc.ca>; Jamie Kaminski <jamie@hsrzerowaste.com>; Jaye-Jay Berggren <jaye-jay@seatoskysoils.com>; Jessica Savoy [redacted]; John Doherty <dohertya@douglascollege.ca>; Kevin Huang ??? <kevin@huafoundation.org>; Louise Schwarz <louise@recyclingalternative.com>; Love-Ese Chile <info@regenwastelabs.com>; Lyndsay Poaps <Lyndsay@rcbc.ca>; Mary Polak <mary@mapleleafstrategies.com>; Matthew Morin [redacted]; Michael Zarbl <mzarbl@marrbccollab.ca>; Raman Johal <rjohal4@londondrugs.com>; Sara Larter [redacted]; Tara Immell [redacted]; Ulwiana Mehta-Malhotra <ulwiana@gmail.com>; William Selten <williamselten@gmail.com>; Yasmin Abraham <yasmin@empowerme.ca>; SW - Management <SW-Management@metrovancouver.org>; Terry Fulton <Terry.Fulton@metrovancouver.org>; Jessica Yamamoto <Jessica.Yamamoto@metrovancouver.org>
Subject: Re: April 28 PTAC Notes and Workshop Summary Now Posted

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Thanks Stephanie,

I think that some comments were missed in the summary:

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- looking at the doughnut economic model to live within our planetary means while ensuring no one falls short on life's essentials
- stop burning the waste in the incinerator
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- starting at the top of the hierarchy instead of moving up
- resilience

Others may see gaps too.

Cheers,
Sue

On May 19, 2023, at 11:23 AM, Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

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- Workshop: https://adobe.ly/42OnvR2
- Tour: https://adobe.ly/3pMXFy7

Thank you and see you online on June 1!

Stephanie

Stephanie Liu
MEnvSc, EPt
Senior Engagement Specialist, Strategy and Stakeholder Relations
Solid Waste Services
c. 778-938-8932

<image001.png>

From: Metro Vancouver Solid Waste Management Plan Update
Sent: June 20, 2023 4:43 PM
To: 'Jamie Kaminski'
Subject: RE: April 28 PTAC Notes and Workshop Summary Now Posted

Hi Jamie,

Thanks for your email.

We will include your feedback in the records of engagement on the solid waste management plan update for the purpose of developing the vision and guiding principles, and will update the workshop summary.

Thanks,
Stephanie

Stephanie Liu
MEnvSc, EPt
Senior Engagement Specialist, Strategy and Stakeholder Relations
Solid Waste Services
c. 778-938-8932

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: Tuesday, June 13, 2023 7:56 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: Alice Henry [redacted]; Ben Liegey <ben@bettertable.ca>; Bill Chan [redacted]; Brenda Martens <brenda@aedify.ca>; Brianne De Man <brianne.deman@binnersproject.org>; Christian Dietrich [redacted]; Cody Irwin <Cody@sharewares.ca>; Craig Hodge <CHodge@coquitlam.ca>; Daniel Rotman <consulting@danielrotman.com>; Doug Schell [redacted]; Grant Hankins [redacted]; Hunter Bergen [redacted] Jack Froese <jfroese@tol.ca>; Jake Turek <jake.turek@gov.bc.ca>; Jaye-Jay Berggren <jaye-jay@seatoskysoils.com>; Jessica Savoy [redacted] John Doherty <dohertya@douglascollege.ca>; Kevin Huang ??? <kevin@huafoundation.org>; Louise Schwarz <louise@recyclingalternative.com>; Love-Ese Chile <info@regenwastelabs.com>; Lyndsay Poaps <Lyndsay@rcbc.ca>; Mary Polak <mary@mapleleafstrategies.com>; Matthew Morin [redacted]; Michael Zarbl <mzarbl@marrbccollab.ca>; Raman Johal <rjohal4@londondrugs.com>; Sara Larter [redacted]; Sue Maxwell <smaxwell@zerowastebc.ca>; Tara Immell [redacted]; Ulwiana Mehta-Malhotra [redacted]; William Selten [redacted]; Yasmin Abraham <yasmin@empowerme.ca>; SW - Management <SW-Management@metrovancouver.org>; Terry Fulton <Terry.Fulton@metrovancouver.org>; Jessica Yamamoto <Jessica.Yamamoto@metrovancouver.org>
Subject: Re: April 28 PTAC Notes and Workshop Summary Now Posted

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Thank you Stephanie.

I apologize for the late comments:

One thing I want to address is that when we talk about making cheaper items more expensive, it is not about inflating pricing for certain items but simply internalizing costs that are currently being externalized such as lower environmental, health and safety among other regulations in various regions where items are produced. It also includes internalizing environmental clean-up costs or simply the risk and liability of damage to the environment and human health. This is becoming a very common discussion around the world with various products including how we dispose of products.

Example: Reuse has much less risk to the environment than recycling because the process is typically a more closed loop with more transparency and accountability or at least the ability to provide more transparency and accountability due to its locality. So priority should be looked at making items not just recyclable but reusable as well with a focus on closing the loop on reusables. If you go down the line, landfilling MSW where the items are contained and in their original form, has less risk than burning the material because burning materials releases unknowns into the atmosphere and creates a higher risk of leaching toxins and harmful substances into the environment due to the great amount of surface area of the particles compared to a solid item. Burning our waste before burying it is very risky for the region because it produces very toxic emissions and releases heavy metals that persist in the environment. The risk lies in relying on technology that is limited in its ability to filter all toxins, is not continuously monitored, and if it fails, there is a substantial risk to the environment and human health which could lead to financial risk to the region.

Jamie Kaminski

On Fri, May 19, 2023 at 11:23 AM Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

> Dear members of the Solid Waste Management Plan Public/Technical Advisory Committee:
>
> Thank you for your participation in the April 28, 2023 meeting and workshop on vision and guiding principles for the updated solid waste management plan. The meeting notes, along with the attached summary of what we heard during the workshop, are now available on the Metro Vancouver website here.
>
> You are welcome to submit any additional feedback to zerowaste@metrovancouver.org, if possible by May 31, 2023.
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> In addition, we would like to share the photos from the April 28 workshop and tour of United Boulevard Recycling and Waste Centre:
>
> - Workshop: https://adobe.ly/42OnvR2
> - Tour: https://adobe.ly/3pMXFy7
>
> Thank you and see you online on June 1!

Stephanie

Stephanie Liu
MEnvSc, EPt
Senior Engagement Specialist, Strategy and Stakeholder Relations
Solid Waste Services
c. 778-938-8932



From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: July 12, 2023 10:01 AM
To: Metro Vancouver - Solid Waste
Subject: Re: June 6 - IAC Workshop Summary
Attachments: zero_waste_europe_advisory-statement_why-co-incineration-of-waste-is-not-Taxonomy-compliant-and-should-be-excluded.pdf

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Thank you for putting this together.

I have two comments regarding this.

1) I would like to see reuse, repair refill included throughout, such as in accessibility and inclusivity ensuring that we are working to make reuse, refill, repair systems more accessible and inclusive. Same goes for Convenience, consistency and simplicity. We also want to make sure that reuse, refill, and repair are not lumped in with recycling.. it is not an either or situation. We need to extend the life of products, materials, and packaging through reuse, repair and refill, but also make those products recyclable at the end of their useful life.

2) Under Accountability I would like to stress that we need to ensure that we are properly classifying how waste is being managed in accordance with commonly accepted classifications. Please see a supporting report that provides important reasons why converting waste into RDF or engineered fuel should not be classified as recycled or diverted. Doing such restricts or at the least, discourages progress towards re-designing products, packaging and their systems of collection, handling, process, and distribution, that would extend the life of the products, materials and packaging.

Sincerely,

Jamie Kaminski, Zero Waste Associate & True Advisor

President

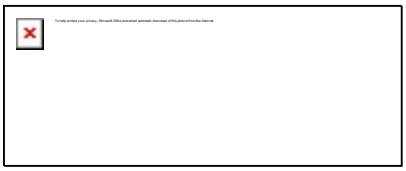
pronouns (he/him/his)

Begin your Zero Waste Journey today! REGISTER HERE for the Zero Waste Canada Education & Training programs.

HSR Zero Waste

Head Office: (604) 464-0242

jamie@hsrzerowaste.com | www.hsrzerowaste.com



Citizenship | Leadership | Environment | Empowerment | Responsibility



On Wed, Jun 21, 2023 at 9:40 AM Metro Vancouver - Solid Waste <solidwasteoperations@metrovancouver.org> wrote:

> Dear members of the Solid Waste and Recycling Industry Advisory Committee:
>
> Thank you for your participation in the June 6, 2023 meeting and workshop on vision and guiding principles for the updated solid waste management plan. We're happy to share with you the attached summary of what we heard during the workshop.
>
> Please note that the feedback presented here is meant to highlight key themes from the discussion. Detailed discussion notes are being retained as part of the full engagement record, and individual comments will be included in feedback logs as part of an engagement report at the end of this phase on vision and guiding principles.
>
> You are welcome to submit any additional feedback to solidwasteoperations@metrovancouver.org, if possible by June 30, 2023.
>
> Thank you, and see you at the next meeting on July 11.
>
> Sent on behalf of Paul Henderson

ZERO WASTE EUROPE

Why co-incineration of waste is not taxonomy-compliant and should be excluded

Advisory statement

November 2020 – Mariel Vilella, Zero Waste Europe

In the accompanying Annex to the delegated act of the EU Taxonomy, **Zero Waste Europe has observed that the Commission deleted the recommendation from the Technical Working Group (TEG) to exclude burning Refuse-Derived Fuel (RDF) in cement plants**. The report from TEG concluded that "co-incineration of RDF has significant impacts on health and environment due to the polluting nature of the associated emissions and may undermine waste minimisation efforts", thus undermining the purpose of the Taxonomy Regulation as explained below. **Co-incineration of RDF therefore must be excluded from the Taxonomy.**

What is co-incineration of RDF?

Co-incineration is the burning of waste — generally in the form of Refuse-Derived Fuel (although not exclusively), alongside other fossil fuels — in cement kilns or other non-traditional incinerators.

Traditionally, coal or petcoke is used in these kilns, but in the past decades, many "alternative fuels" have been used. Today, almost all large cement and building material producers use waste as a fuel, substituting more than 70% of their heat needs (see Table 1). In fact, **the cement industry worldwide is seeking to increase the use of alternative fuels in the production of cement** to decrease energy dependence on conventional fossil fuels and appear to be mitigating their GHG emissions. CEMBUREAU, the European Cement Association, has expressed strong interest in expanding the use of waste from cement kilns to generate fuel, to the point of generating targets that aim to use 60% 'alternative fuels' containing 30% biomass in 2030, and 90% alternative fuels with 50% biomass by 2050.[1]

Waste type used as alternative fuel	Holcim	Cemex	Heidelberg	Italcementi	Lafarge
Waste oil	5		3.7	8.5	22.1
Solvent and liquid waste	11		4.7	21.9	
Tires	10	16	11.6	14.9	19.7
Impregnated sawdust	6				
Plastic	9		26.4	4.7	33.1
Industrial and household waste (solid)		65		13.8	
Industrial waste and other fossil-based fuel	30				
Meat and bone meal	2	4	6.1	15.7	
Agricultural waste	9	10	4.2	11.1	
Wood chip and other biomass	15	5	24.5		25.1
Sewage sludge	2		4.1	1.7	
Other alternative fuel			14.6		

Table 1. *Breakdown of percentage of substitution of heat needs and type of waste as fuel by the largest international cement companies/groups. Source: Increasing the use of alternative fuels at cement plants: International best practice, IFC, 2017*

[1] lowcarboneconomy.cembureau.eu/carbon-neutrality/our-2050-roadmap-the-5c-approach-clinker

However, a closer look at so-called alternative fuels e.g. RDF shows that, in fact, these fuels are not green or sustainable. The typical composition of RDF made from mixed waste contains: 31% plastic, 30% unknown, 13% paper, 14% textiles, and 12% wood.[2] In this sense, **the term "alternative fuel" has often been used to disguise the fact that this "fuel" is actually of fossil origin**, made of waste tires, plastics, and petrochemical waste (waste paint, etc). The fact that a large portion of these fuels are in fact plastic, shows how the cement industry is still using fossil fuels to cover the heat needs of co-incineration.

In particular, plastic waste as fuel is an attractive option to cement kilns because it costs less (or sometimes involves no cost) than traditional fuels. In other instances, waste kiln operators can be paid to incinerate waste (including plastic waste) by other industries. Cement manufacturer Holcim has a global program called Geocycle, which acquires residual plastics from other industries to use them as fuels.[3] In certain countries, and certainly within the EU Emissions Trading Scheme, industry has been able to claim carbon credits from burning waste because it purportedly reduces the use of fossil fuels.[4]

Despite cement kilns burning waste just as incinerators do, the concerned European legislation (Directive 2010/75/EU, Annex VI part 4) allows higher values for total dust and NOx emissions for cement kilns. Although it has been pointed out that dust emissions might be effectively higher when fuels made from waste are used.[5] Moreover, there are also concerns about the use of RDF as fuel and how it can increase the emissions of heavy metals.[6]

Why should it be excluded from the Taxonomy?

1. Burning RDF in cement kilns makes climate change worse

The direct emissions of burning of 1 tonne of waste are in a range of 260–780kg CO2 t-1 waste.[7] The calorific value of waste is highest for plastic, which is mainly fossil based, therefore, **cement manufacturing will still be using fossil based fuels**. With this knowledge, RDF cannot be considered as a low-carbon fuel. It would be environmentally irresponsible to channel and label this process as a green investment for manufacturing cement as it uses fuels that are already largely outperformed even by conventional fossil fuel sources such as gas (340gCO2eq kWh).

2. Environmental impacts from co-incineration are severe

Like standard waste incinerators, co-incineration is known for the release of harmful pollutants into the surrounding environment, and locks in a "built to be burned" economy that relies upon dangerous fossil fuel extraction to needlessly expend virgin materials and resources.

Co-incineration of waste has significant impacts on health and environment due to the higher emissions ceiling for cement plants in comparison to dedicated waste incineration plants.[8] Research shows that the emission of pollutants such as heavy metals, dioxins, PCB will increase with higher shares of waste in fuel.[9]

[2] Currie, J. (2011), The valorisation of SRF in cement kilns, Workshop and site visit: Production and utilisation options for Solid Recovered Fuels, IEA Bioenergy Task 32 and 36, Dublin, 20-21 October 2011, quoted in "La puerta de atrás de la incineración de residuos". Greenpeace, 2012.
[3] www.holcim.ph/holcim-help-tackle-philippine-plastic-pollution-challenge
[4] www3.cec.org/islandora/en/item/2290-taking-stock-2003-north-american-pollutant-releases-and-transfers-en.pdf
[5] zerowasteeurope.eu/library/air-pollution-from-waste-disposal-not-for-public-breath
[6] Genon, G., & Brizio, E. (2008). Perspectives and limits for cement kilns as a destination for RDF. *Waste management*, *28*(11), 2375-2385.
[7] www.researchgate.net/publication/26875721_Determination_of_reliable_CO2_emission_factors_for_waste-to-energy_plants
[8] www.researchgate.net/publication_Air_Pollution_from_Waste_Disposal_Not_for_Public_Breath
[9] www.sciencedirect.com/science/article/pii

Moreover, studies on co-incineration in cement plants show the environmental impacts of this practice and the lack of an appropriate monitoring systems and regulatory framework:

- The case of **Salonit Anhovo**[10] shows how harmful emissions from burning waste are affecting an already heavily impacted community in Slovenia. By releasing harmful and hazardous substances in the air, the plant is polluting the area and putting citizen's health at stake.

- The case of the **Lafarge Trbovlje**[11] cement plant highlights a number of controversial issues in the area of waste incineration and co-incineration. As hazardous emissions threatened citizens' health in the area, civil society groups experienced restrictions to access environmental information and participate in the decision making process. The local environmental group Eko Krog led a successful legal battle that prompted the closure of the plant to fulfil national and EU environmental criteria.

- In the cement plant of **Calusco d'Adda**[12] (Italy) the partial switch from petroleum coke to waste-based fuels has substantially increased the emissions of many pollutants, which can have significant effects on human health. Local citizens have voiced their concerns about the issue, and requested an epidemiological study on the area near the cement plant in order to assess the impact of hazardous emissions on public health.

3. Legislation on co-incineration is outdated and inadequate

Zero Waste Europe has produced an analysis of the legislation concerning air pollution from waste incineration and co-incineration, where it shows that emission values for air pollution in the EU are not aligned with the targets from the World Health Organisation.[13] Moreover in the case of co-incineration in cement kilns, the higher emission values for some air pollutants show that the legislation is insufficient to protect human health and the environment.

In practice, the case studies presented above show that **the regulatory framework for the management and control of pollution from co-incineration is not always effective and appropriately implemented**. To continue such an unsafe activity, strict monitoring and review by competent authorities is essential and will require management by professional, well informed and technically competent regulatory authorities - which is not the reality in many countries.

Given the accidents and case studies presented above, it is clear that **insufficient resources and attention is being allocated to the implementation of regulations on the co-incineration of waste, and in no case it should be branded as a sustainable activity by the EU Taxonomy.**

4. Co-incineration harms the circular economy, waste prevention, reuse and recycling

The inclusion of co-incineration as a green activity within the Taxonomy Regulation will create a perverse incentive to subvert the Waste Hierarchy and undermine the circular economy in two main ways:

- In the short-term, co-incineration creates a vacuum cleaner effect: waste that could be recycled ends up being incinerated. By creating an economic or greenwashing incentive to burn RDF, EU member states may be less motivated to implement the Circular Economy Package, which aims at ambitious targets for separate collection and recycling that would reduce the production of RDF. In the best case, it will certainly contradict and hinder that ambition.

[10] www.ekokrog.org/wp-content/uploads/2019/07/Salonit-Anhovo-Case-FNL.pdf
[11] zerowasteeurope.eu/wp-content/uploads/2019/11/zero_waste_europe_cs_burning_waste_in_cement_kilns_lafarge_trbovlje_en.pdf
[12] zerowasteeurope.eu/wp-content/uploads/2019/11/zero_waste_europe_cs_calusco_dadda.pdf
[13] zerowasteeurope.eu/library/air-pollution-from-waste-disposal-not-for-public-breath

- In the long-term, co-incineration creates a lock-in effect: prevention of progressive policies on waste management. Similarly to the lock-in effect created by waste incinerators, the strong economic and reputational interests from the cement industry will become barriers to improve waste reduction, separate collection and recycling.

Conclusion

It is crucial to preserve the legitimacy of the Taxonomy Regulation and exclude the burning of RDF in cement plants for the following reasons:

- Co-incineration contributes to climate change. Cement plants burn plastic and tyres, made of fossil fuels that emit significant amounts of CO2 when incinerated.

- Cement plants burn waste that could have otherwise been either recycled or composted. Municipalities committed to a zero waste circular economy show that up to 80-90% waste can be separated at source and reused/recycled.

- Co-incineration is not a safe way to treat toxic waste. Monitoring and reporting of burning RDF are insufficient, evidence from reported accidents show significant impacts on public health and the environment.

- Co-incineration also negatively impacts local communities. Local populations are often bearing the cost without any consultation or compensation.

For all the reasons explained above, Zero Waste Europe urges the European Commission to exclude co-incineration of RDF from the list of eligible activities for sustainable finance under the Taxonomy Regulation.

Author:
Mariel Vilella - Director of Global Strategy at Zero Waste Europe

Reviewers:
Enzo Favoino - Chair of Scientific Committee at Zero Waste Europe
Janek Vahk - Climate, Energy & Air Pollution Coordinator at Zero Waste Europe

Editor:
Eilidh Robb - Communications Officer at Zero Waste Europe

Zero Waste Europe, November2020

Zero Waste Europe is the European network of communities, local leaders, experts, and change agents working towards the elimination of waste in our society. We advocate for sustainable systems and the redesign of our relationship with resources, to accelerate a just transition towards zero waste for the benefit of people and planet.

Zero Waste Europe gratefully acknowledges financial assistance from the European Union. The sole responsibility for the content of this event materials lies with Zero Waste Europe. It does not necessarily reflect the opinion of the funder mentioned above. The funder cannot be held responsible for any use that may be made of the information contained therein.

From: Ermes Culos [redacted]
Sent: October 5, 2023 11:35 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: Ermes Culos
Subject: New Waste Management Plan

WARNING: This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.

Hi.

I tried to fill out the quesı onnaire on the WMP to be modified, but was not allowed to complete it. It asks where the respondent lives and, evidently, it does not accept my response when I say I live in Ashcroı .

In any case, one of my responses is this:

I think Vancouver is on the right track. In these days of “truth and reconciliaı on” it is especially important that methods of disposal used in the past (eg., exporı ng waste in areas of the province deemed unsuitable by First Naı ons people, be avoided.

Ermes Culos
Ashcroı

Sent from my iPad

From: Patricia Bowen [redacted]
Sent: November 7, 2023 12:00 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Feedback

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

I was unable to access the 5 minute online survey.

I have seen some initiatives that are very successful in other provinces. These are two of them.

1. Have a recycling week where people place things in their front yard that other people can take free of charge within that time frame.

2. Have a warehouse where people can drop off furniture that is in good condition that other people can take. This would have to have supervision here. In the prairies they do not have to pay for using the dump but since they do here, people would try to dump unsuitable furniture.

Another suggestion would be to give grants to programs that take furniture to give to their clients, such as the "Shelter to Home" program in North Vancouver.

Thank you for your consideration.

Trish Bowen

From: Metro Vancouver Solid Waste Management Plan Update
Sent: November 24, 2023 8:49 AM
To: 'Doherty, John J.'
Subject: RE: November 16 Meeting Agenda - Solid Waste Management Plan Public/Technical Advisory Committee

Hi John,

Thanks so much for your inquiries and interest in items discussed at PTAC meetings.

Below (in red) are our responses to your questions, please let me know if you need clarity on anything.

Is this something I could set a meeting with someone from Metro Vancouver up to discuss further? Is there the ability to also provide feedback in an anonymous way? There are some things I am happy to go "on the record" about as an individual participating in PTAC (mostly what we would like to see) and others that I would not like associated with my name/organization or to be considered an official statement by Douglas College (specific complaints about the industry/measures I think that would help). This wouldn't be because of anything nefarious on our part or external groups but more because I would need to get permission internally to do something like that and depending on what I said it could negatively impact our selection pool when it comes to waste haulers.

Reporting standards have been a major issue for us, even when it's written into our contracts we find that waste haulers struggle to do even the bare minimum in this regard, for example.

There are some other areas of performance metrics I think may be of benefit to Metro Vancouver if we can have a discussion about them/if someone from your team can ask me questions specific to large sectors like post-secondary.

Terry Fulton will put you in contact with our consultant Morrison Hershfield who is conducting this Performance Metrics Study. Morrison Hershfield can set up a meeting and take any of your comments. They can take the comments without indicating your name or affiliation where you prefer. We can also have Terry Fulton present at the meeting if you would like as he can represent Metro Vancouver as that was your original request. We would like to note that everything that Metro Vancouver communicates could be requested under the Freedom of Information and Protection of Privacy Act of British Columbia, but we can note in the comments you wish to be anonymous.

I also have some comments around reusables and similar initiatives as they pertain to public sector.

Metro Vancouver would like to take your comments via email in regards to reusables and similar initiatives. We will make sure to keep you informed of any upcoming opportunities to participate in reuse workshops or pilot programs.

Annnnd I MAY (no promises) have the ability to arrange for someone from Metro Vancouver to table in our Concourse area for any time period you'd find suitable (could be a day, could be a week) to solicit feedback and discuss with students as our students are very environmentally conscious and may be a great source of feedback. I can't commit to anything but if this was to go forward I would try to have it coordinated with our Student Union and our Marketing team so that we did a big concentrated push for feedback and got as many eyes on it as possible. There may also be opportunity to tie it into larger-scale events in this space on Campus. I.E. your table could be one of many all featured around zero waste, recycling, circular economy etc.

That sounds like a great idea, we are always looking to connect with post-secondary and youth for our engagement on solid waste initiatives. We will have an opportunity for outreach and engagement in the next phase of our solid waste management plan update – idea generation. Engagement on this next phase will likely begin in fall 2024, would something like a booth at your campus be something we can connect on once we are ready to engage? Please let us know and we would like to set this up.

Also - as an aside, I wanted to say thank you to Metro Vancouver for once again sponsoring my attendance of the Zero Waste Conference. I have gone both years now and found it a very inspiring, informative event. I suspect I will try to continue my annual attendance once PTAC has completed it's work.

That's great! We are very glad you enjoyed yourself and found some inspiration in the conference. We look forward to offering PTAC member attendance next year as well.

Thanks again and let me know if you need clarity on any of those responses,

Brooke Atkinson
Senior Engagement Specialist, Community Engagement
Solid Waste Services
t. 604.451.6073

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Doherty, John J. [mailto:dohertya@douglascollege.ca]
Sent: Friday, November 10, 2023 9:38 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: November 16 Meeting Agenda - Solid Waste Management Plan Public/Technical Advisory Committee

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello Brooke,

I have missed a few meetings due to overlap with committees I sit on for planning our new building in New Westminster, unfortunately I have to commit to those or else it will cause problems for my teams later when we take occupancy!

That said - I've been trying to keep on top of agendas and meeting minutes distributed and reviewing the notes from last meeting I noticed this:

5.1 Performance Metrics Review – Discussion

- Metro Vancouver has retained Morrison Hershfield to assist with the solid waste management plan update, including reviewing performance metrics.
- Key performance indicators including disposal and recycling rates are reported annually and in a biennial solid waste management plan progress report provided to the province.
- The scope of work for this review includes reviewing a wide range of solid waste performance metrics used elsewhere, including ones which assess performance related to circular economy, greenhouse gas emission reductions and equity.
- Qualitative and quantitative performance measures will be considered, along with factors such as access to date, reliability and measurement feasibility.
- PTAC members were asked what is important to their organization for reporting, what data they have access to that can inform this project, and if there are any specific jurisdictional examples that should be considered.
- PTAC members may submit additional comments or suggestions to zerowaste@metrovancouver.org or if they would like to be interviewed on this topic.

Is this something I could set a meeting with someone from Metro Vancouver up to discuss further? Is there the ability to also provide feedback in an anonymous way? There are some things I am happy to go "on the record" about as an individual participating in PTAC (mostly what we would like to see) and others that I would not like associated with my name/organization or to be considered an official statement by Douglas College (specific complaints about the industry/measures I think that would help). This wouldn't be because of anything nefarious on our part or external groups but more because I would need to get permission internally to do something like that and depending on what I said it could negatively impact our selection pool when it comes to waste haulers.

Reporting standards have been a major issue for us, even when it's written into our contracts we find that waste haulers struggle to do even the bare minimum in this regard, for example.

There are some other areas of performance metrics I think may be of benefit to Metro Vancouver if we can have a discussion about them/if someone from your team can ask me questions specific to large sectors like post-secondary.

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Also - as an aside, I wanted to say thank you to Metro Vancouver for once again sponsoring my attendance of the Zero Waste Conference. I have gone both years now and found it a very inspiring, informative event. I suspect I will try to continue my annual attendance once PTAC has completed it's work.

Thank you,

John Doherty *(He/Him)*

Facilities Manager
Facilities Services

We are a Scent Free Zone, when visiting us please help us keep the air we share healthy and fragrance-free. The chemicals used in scented products can make some people sick, especially those with fragrance sensitivities, asthma, allergies and other medical conditions. Thank you.

From: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Sent: Friday, November 10, 2023 8:34 AM
Subject: November 16 Meeting Agenda - Solid Waste Management Plan Public/Technical Advisory Committee

*** This email appears to originate outside of Douglas College. ***

Dear members of the Solid Waste Management Plan Public/Technical Advisory Committee,

The agenda and presentations for the upcoming November 16, 2023 meeting are now posted to the website under the Meetings section.

The November 16 meeting will be held online, you will receive the zoom link within the meeting invitation in advance of the meeting.

Please let me know if you have any questions.

Thank you,

Brooke Atkinson
Engagement Specialist, Community Engagement
Solid Waste Services
t. 604.451.6073

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Metro Vancouver Solid Waste Management Plan Update
Sent: December 11, 2023 11:41 AM
To: 'Candace O'Connor Alan Simmonds'
Subject: RE: Renewable glass containers

Hi Candace,

Thank you for your feedback and ideas on having reusable jars and return programs for stores to promote reduction of plastics and reuse.

We are currently updating our solid waste management plan and this feedback will be valuable as we work towards creating the vision and guiding principles for the plan update.

Thanks again and let us know if you have any further feedback.

The Metro Vancouver Solid Waste Services Team

-----Original Message-----
From: Candace O'Connor [redacted]
Sent: Friday, December 1, 2023 10:38 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Renewable glass containers

WARNING: This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.

Reusable really! Glass milk bottles and ice cream jars are 2 items we already reuse, and show the way to a future not geared to single-use plastic containers for food and cleaning items, and much more. Returnable jars and bottles create a great customer-store pattern of use and reuse. It allows for our preferences to be well-known so that a store can really know the quantity of a product to order and give shelf-space to. It eliminates unnecessary plastic containers altogether. It would make customers more involved in the purchase-chain, less likely to purchase unnecessary items in a careless manner! And reduce the amount of recycling that would have to be done.

Thank you for the time,
Candace O'Connor

Sent from my iPad

3.0 – Idea Generation Phase

From: Metro Vancouver Solid Waste Management Plan Update
Sent: January 13, 2025 11:28 AM
To: Samantha Joy
Subject: FW: Public Engagement Opportunity

From: Metro Vancouver Solid Waste Management Plan Update
Sent: Friday, September 20, 2024 3:56 PM
To: Jean-Pierre Buree <JPB@proactivehazmat.com>
Cc: Terry Fulton <Terry.Fulton@metrovancouver.org>; Chris Underwood <Chris.Underwood@metrovancouver.org>; Stephanie Liu <Stephanie.Liu@metrovancouver.org>; Brooke Atkinson <Brooke.Atkinson@metrovancouver.org>
Subject: RE: Public Engagement Opportunity

Hi J.P.,

One of the principles which guides our solid waste management plan update is "Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation." This means we're striving to not just reduce waste, but to support economic growth by using materials as resources rather than disposing of them.

Any ideas you may have about specific material types like asbestos are welcome, either at any of the upcoming events or presentation opportunities listed on our website , or Email us to schedule a call with us if you're interested.

Thank you,

Metro Vancouver Solid Waste Team

From: Jean-Pierre Buree <JPB@proactivehazmat.com>
Sent: Tuesday, September 17, 2024 4:39 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: FW: Public Engagement Opportunity

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello,

Received this email below, would like to know if the goal is to reduce waste entirely or come up with better solutions for waste. As of right now, we transport a lot of Hazardous waste our to Alberta as nowhere in the lower mainland accepts Asbestos Drywall. Is this an avenue metro Vancouver is looking into in order to reduce costs, lower the probability of waste not being disposed of correctly and boost BC economy?

Thank you,

J.P Buree| General Manager

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From: Metro Vancouver Solid Waste <solidwasteoperations@metrovancouver.org>
Sent: Tuesday, September 17, 2024 1:47:28 PM
To: info <info@proactivehazmat.com>
Subject: Public Engagement Opportunity

metrovancouver | SOLID WASTE

Help Shape the Future.
Share Your Ideas on How to Further Reduce Waste in Our Region.

You are receiving this email because you or your organization has been identified as having potential interest or investment in solid waste management and planning in Metro Vancouver. If you would like to sign up to receive future updates about the solid waste management plan please visit the project webpage.

Metro Vancouver is updating its solid waste management plan and has launched a public engagement process to hear your ideas about the future of solid waste management in our region. This is a multi-phase engagement process, and we are currently in the idea generation phase. There will be opportunities to participate in future phases of engagement.

Help us move towards reducing waste, increasing recycling, reducing greenhouse gas emissions, and achieving a circular economy.

Share your ideas and feedback by **November 8, 2024** by:

- Completing a five to ten minute questionnaire
- Saying hello at one of these community events:
    - Saturday, September 21, 2024 — Shipyards Festival, North Vancouver
    - Saturday, September 28 2024 — RiverFest, New Westminster
    - Monday, September 30, 2024 — Tsawwassen Mills Shopping Centre (visit our booth at the parking lot by the main entrance)

From: Metro Vancouver Solid Waste Management Plan Update
Sent: November 19, 2024 9:50 AM
To: [redacted]
Cc: Chris Underwood; Terry Fulton; Brooke Atkinson
Subject: RE: Input…..

Hi Grace,

Thank you for your interest and concerns in the solid waste systems in the region. Apologies for the delayed response, staff have taken a look at your questions and comments and provided answers in red below.

Please let us know if you have any follow-up questions or need further details.

Thank you,

The Solid Waste Services Team

-----Original Message-----
From: Grace Hodgson [redacted]
Sent: Saturday, October 12, 2024 6:05 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Input…..

WARNING: This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.

Thank you for this opportunity to express our views on the waste situation in Metro. I wll list my concerns below:
1) every week, I meticulously divide my waste into paper/food/pastics/containers/etc into my blue box …. And every week, when the pick-up truck comes, the fellow dumps the entire blue box, Willy-Nilly, into the one and only compartment on the truck! It is frustrating to watch!!!!
Thank you for your commitment to proper separation of recyclables! This is a frustrating situation, and one that does occur from time to time in our region. If you can provide your municipality and the name of the company that collects your recyclables (if not your municipality) we can investigate further. Alternatively, you may wish to contact your municipality directly.

2) overall, more education is required bc i see too many neighbours putting out ONLY their one large garbage bin + perhaps the blue box…..therefore there is no separation being done by the homeowner. BUT, in light of #1 above, i feel like the "dolt" for meticulously washing/cleaning out the containers every week, separating paper and plastic, place them accordingly, etc etc…..
Your effort counts! Although some people may not properly separate their recyclables, many do, and that has helped our region achieve a 65% recycling rate – well above the north American average. Keep up the good work!

3) how are these garbage trucks allowed to do this?
We can investigate further as noted above, or you may wish to contact your municipality.

4) why isn't there more screening done at the dump to prevent such violators coming through and dumping everything in one heap
There are disposal bans in place at all of our recycling and waste centres (formerly referred to as 'transfer stations'), as well as disposal facilities in the region (Vancouver Landfill and the Waste-to-Energy facility located in Burnaby). Any individual or company that includes banned materials above a certain threshold (e.g. organic waste, recyclables), receives a surcharge.

5) instead of depending entirely on the consumer to do the recycling, those unrecylable containers should never be allowed in the first place to be used by food companies. In fact, unrecyclable containers and items should NEVER BE MADE in the first place!!!!

There is a lot of work being done to advocate for better product design, but it takes a long time to change the system, especially because many of these companies are national or international in scale. Groups like the Canada Plastics Pact focus on advocating for design rules that help make sure products can be properly recycled. Senior levels of government have the legislative authority over consumer products and materials, and Metro Vancouver works with organizations like Canada Plastic Pact, and leads the National Zero Waste Council, on options to prevent and reduce waste at source.

6) consider a little baby at home: most parents would not give the baby access to poisons or in-nutritious foods or broken/dangerous toys/objects with which to play/put in it's mouth/chew on/hurt himself, etc……exactly the same situation: DO NOT MAKE/PROVIDE/SELL ANY PRODUCT that is harmful to the environment!! PURE AND SIMPLE, IS IT NOT???!

This is tricky as consumer claims of products are federal jurisdiction, as mentioned above. The federal government has started to investigate claims of 'greenwashing', and Metro Vancouver and its members have provided information to help shine the light on the situation here and why this is important.

6) regarding the education side:

a) i see a few community gardens using publicly unused spaces, like railway tracks areas with the tracks removed……or like along the Richmond dyke area, an unused space is well-used with wonderful-looking fresh veggies waiting to be harvested.

b) I have also seen the sites of old garages/houses turned into gardens by the locals…..and BEST OF ALL, individuals have turned their front lawns into gardens!!! Unfortunately, it is only a small percentage of the population that has jumped on this whole-heartedly, and it requires much more spread.

c) Metro surely has the manpower to work on the various fronts to turn this around before it's too late!!! We have already seen the colossal damage climate change has brought to so many people and regions of the world, the situation is DIRE!!!!

d) leaf blowers must be banned! They are utterly useless, just blowing the leaves about for over an hour, then shortly, a wind comes along and they're scattered again…. Far better to use hand rakes and bag them as you go! Then the leaves can be used for plant cover, for home compost bins…..people do NOT know what excellent,rich soil they can produce themselves ….elementary kids learn this easily, and can be the best advocates in a community!

e) with more expensive groceries, now is a good time to educate and encourage families, schools, high school crews to comb through neighbourhoods and ask permission to turn lawn areas into school or neighbourhood gardens…. The produce distributed to the owner, neighbours, the students' families, food banks, etcetc….. these projects can easily be started at the local elementary levels, involve parent groups, etc…..

f) a friend who lives in a downtown condo has filled his balcony with large pots filled with rich soil and grows his own veggies right there, no travel needed to tend to them….

Metro Vancouver works with an organization called City Farmer, which as a long running community garden on the west side of Vancouver. They are a fantastic resource for residents, and can help provide an answer to any questions you may have about backyard gardening and composting. They can be reached at 604.736.2250.

…..i could go on listing, but i am sure you know the above list + more of "good" things happening in all of Metro and beyond….. Please let me know if any of the above is being considered, implemented etc….. and where Metro itself is planning to do!

Metro Vancouver is currently updating its solid waste management plan, and our vision is a thriving region where resources are valued and nothing is wasted. We will record all of the input you've provided in your e-mail in our feedback log and consider it along with what we hear from others in creating a plan that will guide us in the years to come.

Thank you kindly,
Grace

Sent from my iPad

From: Bill Chan [redacted]
Sent: November 22, 2024 8:14 PM
To: Terry Fulton
Cc: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: PTAC and Zero Waste Committee Public Presentations

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Terry:

Thank you, much appreciated.
The attached report is very helpful in outlining the scope of the project and the methodology used which is very detailed.

Agreed, since the recyclers have no obligation to report gives rise to potential mis-statement of the volumes and the recycling rate.

As we move forward on Extended Producer Responsibility (EPR) we should continue to look at how we build robustness in the source of data either through third party verification, more sampling or regulatory framework for producers / waste collectors / recyclers to report.

Thank you again for the detailed report and answering my initial question.

Regards,

Bill Chan

On Mon, Nov 18, 2024 at 2:02 PM Terry Fulton <Terry.Fulton@metrovancouver.org> wrote:

> Hi Bill,
>
> Thanks for your question. We can estimate the amount of concrete disposed using our latest construction and demolition waste composition study (from 2022).
>
> According to this study, an estimated 7,593 tonnes of concrete were disposed in 2022. If we use that number we get a recycling rate of 99% (866,363/(866,363+7,593)), out of 873,956 tonnes of concrete available.
>
> As for the calculation of the 866,363 tonnes, this is based on tonnages provided by concrete recyclers in the region. Every year, we contact our list of known concrete recyclers in the region and ask for their tonnages. As these facilities have no requirement to report to us, and there is no independent verification of the numbers they provide, this does introduce sources of error into

this estimate. We provide a methodology section within the biennial report to explain these issues, as well as providing an estimate of the C&D sector recycling rate with and without including concrete.

I hope this helps. Please let me know if you have any other questions.

Thanks,

Terry Fulton, P.Eng.
c. 604.313.0839

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Sent: Monday, November 18, 2024 8:49 AM
To: Bill Chan [redacted]
Cc: Terry Fulton <Terry.Fulton@metrovancouver.org>
Subject: RE: PTAC and Zero Waste Committee Public Presentations

Hi Bill,

Thanks for your follow up questions, I have cc'ed Terry Fulton who will be able to answer your specific questions better.

Thanks,

Brooke Atkinson
Senior Engagement Specialist, Community Engagement
Solid Waste Services
t. 604.451.6073

metrovancouver

From: Bill Chan [redacted]
Sent: Sunday, November 17, 2024 8:13 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: PTAC and Zero Waste Committee Public Presentations

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Brooke:

Thank you for the attached ISWRMP report.

On page 19, table 9 shows that Concrete - 866,363 tonnes were recycled.

I'm trying to find out how many tonnes were available to be recycled and the recycling rate.

My other question is what methodology and the robustness of the calculation of the 866,363 tonnes.

(If it's in the report, if you can provide me where it is.)

Thanks again for your help.

Regards,

Bill Chan

On Wed, Nov 13, 2024 at 8:38 AM Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

Hi Bill,

Please see below for the information in the 2022 Biennial Progress report. It is located in table 9 on page 19.

Draft ISWRMP 2022 Biennial Progress Report (metrovancouver.org)

Thanks and let me know if you have any more questions.

Brooke Atkinson
Senior Engagement Specialist, Community Engagement
Solid Waste Services
t. 604.451.6073



From: Bill Chan [redacted]
Sent: Friday, November 8, 2024 6:49 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: PTAC and Zero Waste Committee Public Presentations

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Metro Van Solid Waste Mgt. Plan Update:

Appreciate the meeting today, informative and there are a lot of people are enthusiastic and committed in recycling and reducing waste.

This is regarding Christina from Green-Stone Materials on the volume of concrete that is available to be recycled.

Paul Henderson referred to a public document that is available (via website) on the volume of concrete that is available to be recycled and also said it has a 90% approx. recycling rate.

I'm sure Paul is right and super happy about the highly successful recycling of concrete.

Would you be able to point me to the link and page of that document Paul is referring to?

My search filing system is not the best.

Much appreciated.

Regards,

Bill Chan

On Thu, Nov 7, 2024 at 9:57 AM Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

UPDATE: PTAC Members please join the zoom link or arrive at head office at 1:50 pm so we can set you up before the meeting begins at 2:00pm.

Dear Solid Waste Management Plan Public/Technical Advisory Committee members,

The November 7 PTAC-ZWC Public Presentation is being held in the Main Boardroom at Metro Vancouver Head Office, and via zoom.

Attached is the agenda with the order of presentations.

Details:

- **Location**
    - Metro Vancouver Head Office, 4515 Central Boulevard, Burnaby BC
    - 28th Floor, Main Boardroom
- **Skytrain:** Expo Line to Metrotown Station
- **Parking** (see attached map for parking location)
    - Parking at the mall is free for less than 4 hours.
    - Alternatively you can park at the visitor-staff pay parking (blue section to the left of the attached map).
    - Please note the entrance to Metrotown III (lobby) is from Central Boulevard.
- **At arrival of the MTIII lobby**
    - Please sign in at the Security desk
    - Elevators: press 2-8 (for floor 28) and the system will indicate which elevator to use

Please don't hesitate to reach out with any questions about the meeting, attendance, or how to get to Metro Vancouver Head Office.

Thank you!

December 20, 2024

Solid Waste Services, Metro Vancouver
4515 Central Blvd
Burnaby, BC V5H 0C6
VIA EMAIL: zerowaste@metrovancouver.org

Dear Solid Waste Management Plan Update Consultation Team:

RE: Idea Generation Engagement: Metro Vancouver's Solid Waste Management Plan Update – City of Vancouver Staff Submission

Thank you for the opportunity to participate in the **Idea Generation Phase** to update Metro Vancouver's Solid Waste Management Plan. We appreciate Metro Vancouver's leadership and work undertaken to date to lay the foundation for this phase by developing the vision, "*A thriving region where nothing is wasted, and resources are valued,*" along with the seven guiding principles.

City of Vancouver staff participated in an internal workshop on November 20, 2024 to discuss the seven Idea Generation questions identified by Metro Vancouver for this phase of engagement. We're pleased to provide our comments on the Idea Generation Phase, including ideas identified during our staff workshop.

Vancouver City Council adopted the Zero Waste 2040 Strategic Plan in 2018 to establish a vision for Vancouver to become a zero waste community by 2040. Zero Waste 2040 supports regional waste management goals established by the Integrated Solid Waste and Resource Management Plan to minimize waste generation, and maximize reuse, recycling and material recovery.

City staff recently provided a five-year update to Vancouver City Council on Zero Waste 2040 progress and next steps. This update included identifying the following nine priority action areas to guide Vancouver's waste reduction and circular economy initiatives over the next four years:

1. Long-term planning to manage waste in a changing urban environment
2. Increasing diversion and reuse of construction and demolition waste
3. Preventing wasted edible food
4. Increasing residential participation in existing waste diversion programs
5. Expanding share, reuse and repair activities for all residents
6. Exploring future diversion opportunities at Vancouver Landfill and Vancouver South Transfer Station

7. Supporting interventions by other levels of government
8. Participating in regional solid waste planning
9. Applying equity lenses to new and existing zero waste initiatives

These priority action areas are reflected in the ideas presented herein, organized according to the seven Idea Generation questions, for Metro Vancouver's consideration to include in the updated solid waste management plan for the region.

1. *Promoting confidence in recycling systems*

Metro Vancouver can help promote confidence in recycling systems through the following potential actions:

1. **Develop public dashboard and education campaign.** Many residents don't know where to find information about the performance of our regional and provincial recycling systems, and don't understand how BC's recycling system is different than other provinces. This knowledge gap leads to misunderstandings about the applicability of national recycling statistics to BC and the Metro Vancouver region. Metro Vancouver could play a leadership role in developing a public dashboard that displays progress towards the region's recycling goals and includes key performance indicators from RecycleBC, Encorp and other Extended Producer Responsibility (EPR) stewardship agencies in a single location (instead of relying on the public to check each individual stewardship webpage).

   Rolling out the dashboard could be accompanied by a new public education campaign, developed by Metro Vancouver, that highlights key recycling and EPR statistics for the region, explains how recycling works in BC, presents the benefits associated with recycling and informs people about the availability of a new public dashboard with information available all in one place.

2. **Promote economic benefits of recycling systems.** Metro Vancouver could collect data and report on the number of jobs created through investments in recycling systems and other types of circular business models. Metro Vancouver could explore working with Invest Vancouver to undertake this work.

2. *Expanding inclusive programs and services*

Metro Vancouver can expand inclusive programs and services, and help to support member municipalities (members) in doing the same, through the following potential actions:

1. **Apply equity lenses to the development of actions included in the updated regional solid waste management plan.** Metro may find Vancouver's Equity Framework helpful, which describes what is meant by equity, and identifies four equity lenses: Indigenous rights, racial justice, intersectionality, and systems orientation.

2. **Use spatial analysis** to identify opportunities to improve equitable access to waste services and facilities. This analysis could include mapping locations of waste services, assets and events in the region (including those owned and operated by external organizations, including various types of EPR drop-off locations), and would help to identify locations for new facilities and pop-up events to ensure access for residents and businesses using public transit and active modes of transportation (e.g. walking, biking).

   The findings of the spatial analysis can also be used to explore opportunities to enhance service reach to underserved areas by working with contractors, municipalities and other service providers.

   Spatial analysis of waste services, assets and events can also be layered with demographic data, such as average income levels, language spoken in the home, race and ethnicity, across each neighbourhood in the region. This analysis may help to identify if there are any equity-denied communities under-served by existing waste programs and services.

   Members can be convened at several points to share data towards undertaking this work, and discuss opportunities to incorporate key findings in the delivery of future municipal and regional services, projects and events.

3. **Collaborate with community groups.** Metro Vancouver could work with diverse community groups, cultural centres, faith groups and immigration/settlement services to seek input on opportunities to further promote existing and future public education and behaviour change campaigns to their communities, such as Think Thrice and Create Memories, Not Garbage.

4. **Develop engagement forums with local First Nations.** Metro Vancouver could create and facilitate a discussion forum for solid waste professionals, local First Nations and community groups to share ideas and discuss challenges and opportunities to waste reduction and the transition to a circular economy.

3. *Enhancing accountability for eliminating waste*

The following ideas describe how Metro Vancouver can demonstrate enhanced accountability for eliminating waste:

1. **Include annual report data in a public dashboard.** Data from Metro Vancouver's annual and biennial reports could be included in the public dashboard described above (see Question 1, Idea 1) to help make KPIs, long-term trends and progress towards regional targets more visible to the public.

2. **Increase audits and enforcement.** Metro Vancouver could increase the number of audits and randoms checks to ensure compliance with disposal bans.

3. **Pay-by-weight or volume for commercial dumpsters.** Metro Vancouver could work with private haulers to explore opportunities for testing pay-by-weight or volume systems for commercial dumpsters, to help encourage the ICI sector to be more accountable for the amount of waste they dispose to landfill or incinerator.

4. Planning for future infrastructure and systems for waste management across the region

Metro Vancouver can plan for future infrastructure and systems for waste management across the region through the following ideas:

1. **Map projected housing construction and land use changes.** Metro Vancouver could play a leadership role in helping municipalities to approach waste management planning in the context of housing construction and land use changes. Mapping projected housing construction would support analysis of where future waste services, assets and events may be needed to serve demand created by concentrated areas of population growth.

   Awareness of land uses will be important as the region builds more housing and densifies, and land is rezoned as part of these efforts. Industrial land is critical for effective waste management systems, especially for the businesses that enable a circular economy. These businesses often have the greatest environmental benefit, and best chance of succeeding and scaling, when they are located close to the resource flows they seek to reuse, remanufacture or recover. To this end, cities need to protect space for industrial land in urban areas. Metro Vancouver can help to increase awareness of this issue and support municipalities to apply a land use planning lens to waste management planning by working with municipalities to compile the land use data, and identify priorities for protecting industrial land.

2. **Examine zoning by-laws, building codes and other policy.** Metro Vancouver could further support members in applying land use planning and development lenses to waste management by undertaking a review of zoning by-laws, building codes and other relevant policy across the region to identify barriers to scaling waste and resource management infrastructure. For example, barriers to citing neighbourhood-level recycling drop-off facilities.

3. **Explore opportunities to improve laneway/road traffic and decrease litter from licensed haulers.** Metro Vancouver could convene members to share knowledge and identify opportunities to improve these issues, and engage licensed haulers on potential solutions. As the region builds more housing and densifies, these issues may be exacerbated.

5. *Increasing participation and reducing contamination in organics and recycling programs*

Metro Vancouver can take several actions to increase participation and reduce contamination in organics and recycling programs, as follows:

1. **Share waste composition data with the provincial government and EPR stewardship agencies** to highlight participation issues. For example, data about the type and quantity of products accepted in EPR programs that are disposed to landfill or incinerator. Sharing this data would help to demonstrate the need for further education and other supportive programs to increase participation in existing EPR stewardship programs. Members are investing municipal budget and resources to address the EPR participation gap. For example, City of Vancouver is developing programs to encourage residents' participation in EPR programs (and other existing reuse and diversion programs), such as our Zero Waste Ambassador program to reduce waste in multi-family buildings.

2. **Focused efforts on multi-family and commercial buildings.** Participation in organics and recycling programs tends to be lower in multi-family and commercial sectors. Metro Vancouver could support members to engage these sectors by developing education and behaviour change materials focused on these sectors. Metro Vancouver could also facilitate a workshop with members, private haulers and other stakeholders to explore opportunities for removing barriers and incentivizing these sectors' participation in diversion programs. For example, workshop topics could include opportunities to standardize hauler guidelines for multi-family and commercial buildings.

3. **Explore opportunities to increase recycling consistency across the region.** Metro Vancouver could convene members, private haulers, and other stakeholders to discuss opportunities to improve the consistency of recycling streams and signage across all sectors and across the region. Greater consistency would help to reduce residents' confusion about correct recycling participation as they move throughout the region, from where they live to where they work and play. Potential opportunities to explore could include incentives, pilots, regulatory and voluntary measures.

4. **Pilot technologies for reducing contaminants in organics recycling.** Metro Vancouver should continue to pilot new technologies, in collaboration with members, industry and other stakeholders. A priority area of interest for future pilots is technology that can help residents and businesses understand what contaminants they're introducing to organics recycling, and other diversion streams.

5. **Explore opportunities to increase diversion at regional recycling and waste centres and disposal sites.** Metro Vancouver should continue working with members to develop and evaluate pilots to increase diversion throughout the region.

6. *Leveraging knowledge and expertise through collaboration*

Metro Vancouver can leverage knowledge and expertise through collaboration through the following ideas:

1. **Create online collaboration site for members.** Metro Vancouver could help municipalities to collaborate more strategically by creating online infrastructure for sharing information and communicating. For example, a Sharepoint site or Teams channel that municipal staff can be given access to edit and upload documents. This kind of digital infrastructure would help to support effective collaboration on topics such as construction and demolition waste, where inter-municipal working groups have already been developed. To manage risks around data sharing, a training module could be developed that staff must complete before getting access. This concept could also be scaled up to the national level by creating a Sharepoint site or Teams channel hosted by National Zero Waste Council, with municipal staff and other stakeholder participants from across Canada.

2. **Maintain a list of external working groups Metro Vancouver is participating in.** Metro Vancouver could help municipalities to understand opportunities for collaboration with the region and other stakeholders by sharing a list of the external working groups in which Metro Vancouver staff are participating (for example, this information could be shared on the Sharepoint site or Teams channel described above). Examples of these working groups include the Canadian Circular Textiles Consortium and Canada Plastics Pact. Greater visibility and awareness would help municipal staff identify where there might be opportunities to share data and input with other stakeholders on a topic area.

3. **Deliver workshop for municipal staff on opportunities to engage other levels of government.** Metro Vancouver could help municipalities to understand and navigate the options for sharing data, information and input with other levels of government by developing a workshop for municipal staff wherein local subject matter experts describe the various processes that exist for engaging the Province of BC and Government of Canada (for example, UBCM and FCM, formal consultation processes, etc.), and share examples from past experiences. Metro Vancouver staff could lead the planning and facilitation of this kind of workshop, and also help to compile examples into documented case studies. Workshop resources and case studies could be made available through the Sharepoint site or Teams channel described above.

4. **Facilitate discussion sessions with municipal staff to advance priority action areas.** Metro Vancouver could help municipal staff to collaborate and problem solve by scheduling and facilitating discussion sessions focused on various priority actions areas. These collaboration and problem solving conversations could be scheduled as part of regular REAC SWSC meetings, or as separate stand-alone meetings. Topics could be suggested and selected using the online collaboration site described above.

7. *Rethinking and preventing waste in the first place*

Metro Vancouver can prevent waste, and support member municipalities to do the same, through the following actions:

1. **Consumption-based emissions inventories (CBEI) with a waste-specific lens.** The climate impact of wasteful consumption in a linear economy is a growing area of importance. Related data and metrics are needed to: evaluate the success of waste reduction initiatives in terms of environmental impact; help stakeholders understand the need for waste reduction and transitioning to a circular economy, and understand the types of tools that can be used to drive reduction (e.g. embodied carbon limits, credits, etc.). Metro Vancouver can play a role by reporting an updated regional consumption-based emission inventory on a regular basis (e.g. every 3-5 years). However, existing CBEI reporting frameworks do not present results by material stream, which can make it challenging for waste professionals to interpret the results and meaningfully integrate the data with their work streams. For example: the embodied emissions of wasted edible food are not discernible from emissions associated with production and consumption of food that gets eaten.

   More material-specific granularity in CBEI reporting, with a waste-specific lens, would improve transparency and comprehension. Metro Vancouver can play a leadership role by undertaking the needed research and exploration to develop a methodology for calculating and presenting CBEI results with a waste-specific lens. (e.g. to understand data needs and availability, etc.).

2. **Publish a jurisdiction scan that identifies leading practices for reducing waste and transitioning to a circular economy.** Equipping members and other stakeholders with this information helps to create awareness of what's possible and encourage discussion about what policies can be adapted for our region. This information would support stakeholders with providing feedback on what actions to include in the updated solid waste management plan for the region.

3. **Publish a research paper on construction and demolition (C&D) waste challenges and opportunities (with a focus on wood).** Metro Vancouver could play a leadership role by writing a paper that summarizes information including: projected increases to C&D waste due to housing construction and densification in line with provincial legislation; jurisdiction scan findings on best practices in other places; economic benefits of circular C&D practices; reuse/salvage end markets in the region that have potential to be scaled up; and detailed roles for municipal, regional, provincial and federal levels of government in each area of potential policy. For example, identifying what role each level of government could play to advance a policy area such as increasing use of salvaged wood in structural applications (including modular products). Metro Vancouver could play a leadership role by convening members and other stakeholders to share relevant data and knowledge, and acting as the lead author and publisher. This work

supports members to advance C&D policy in their municipalities by resourcing needed background research, instead of each municipality pursuing this work independently.

4. **Host a design charrette that invites stakeholders to create a circular economy plan** with the condition that landfilling and incineration are prohibited. This desktop exercise would help to unlock creativity and break down assumptions about what's possible, and conceive of systems change that addresses the climate emergency, global plastic pollution, and other urgent environmental issues.

5. **Embed circularity principles in procurement.** Metro Vancouver could play a leadership role and support municipalities to adopt circular procurement principles by integrating circularity into their procurements, especially high profile projects that can help to showcase what's possible and be used as case studies to demonstrate possible co-benefits. A priority for this area of work is using salvaged C&D materials in construction of new facilities and assets, especially wood building materials. Sharing the procurement documents used and data about the costs and benefits for these types of projects, and creating templates for certain materials and projects, would support municipalities to also increase circular procurement.

6. **Share information and data with other levels of government.** Continue to share input, information and data with other levels of government to strengthen existing policy and help develop new policy aligned with the waste hierarchy and circular economy principles. For example, on topics such as right to repair, circular textiles, salvaged building materials, recycled content, and reusable cup and container borrowing.

7. **Develop new public education and behaviour change campaigns that target waste-generating events.** For example, moving to a new home and student move-in and move-out days. Metro Vancouver could work with members to explore opportunities to design supportive programs to help reduce waste associated with these events, and target program delivery for strategic times, such as month end when renters are more likely to be moving.

8. **Develop community programs to enable more reuse and recycling.** Metro Vancouver could build on ongoing efforts to support reuse and recycling by working with members, non-profits and other stakeholders to develop community programs, such as a volunteer program to transport bulky items to reuse and recycling facilities, toy libraries, and free swaps.

9. **Develop a toolkit for encouraging share, reuse and repair in multi-family buildings.** Metro Vancouver could help to encourage waste reduction in the multi-family sector by creating a toolkit focused on events and activities for multi-family residents, including building free swaps and yard sales. Members could help to promote the toolkit by sharing it with residents through municipal communications channels and at community outreach events.

Closing

Thank you again for your leadership in developing the current solid waste management plan update and for the opportunity to provide input at this important idea generation phase.

City of Vancouver staff would be pleased to continue this conversation and share information, resources, and contacts as needed.

Please do not hesitate to contact myself or Michelle Harris, Associate Director Solid Waste Services, if you would like to discuss any of these topics.

Yours truly,



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4.0 – Options Analysis Phase

May 1, 2025

Solid Waste Services, Metro Vancouver
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VIA EMAIL: zerowaste@metrovancouver.org

Dear Solid Waste Management Plan Update Consultation Team:

RE: Goals, Hierarchy, Metrics and Options Analysis Criteria: Metro Vancouver's Solid Waste Management Plan Update – City of Vancouver Staff Submission

Thank you for the opportunity to share feedback on the goals, hierarchy, metrics and options analysis criteria to update Metro Vancouver's Solid Waste Management Plan. This letter provides further comments and reiterates feedback shared by City of Vancouver staff during the member jurisdiction workshop on April 10, 2025.

1. Proposed Hierarchy

Many of the proposed updates to the waste hierarchy currently used in the 2011 Integrated Solid Waste and Resource Management Plan (2011 Plan) clearly show prioritization of waste management strategies, and align well with the Zero Waste Approach for Vancouver, with the exception of characterizing energy recovery as "recycle as energy" as discussed below. The following diagram features are good additions to increase understanding and support greater transparency:

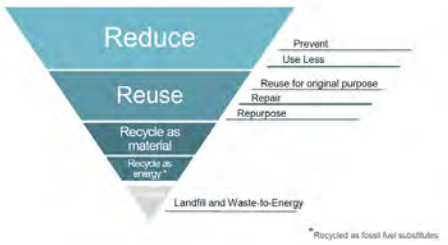

Figure 1. Updated hierarchy presented by Metro Vancouver during Apr 10 workshop.

- Including additional text to explain what's included in the 'Reduce,' 'Reuse,' and 'Dispose' levels of the hierarchy.
- Including "use less" to describe what's encompassed by the 'Reduce' level. The meaning of "use less" is more obvious than similar terminology, such as "avoid."
- Showing 'Recycle as Material' and energy recovery (labelled 'Recycle as Energy' in the currently proposed update) as separate levels, with recycling as material appearing higher up on the hierarchy.
- Clearly identifying waste-to-energy as a disposal method, along with landfilling.

Energy Recovery vs. Recycle as Energy

We would like to see Metro Vancouver change the term 'Recycle as Energy' to 'Energy Recovery' in the waste hierarchy diagram and throughout the document. This change would be consistent with the 2011 Plan, the Province of B.C.'s use of "energy recovery" in its 5R pollution prevention hierarchy for zero waste and Recycling Regulation, and the E.U.'s new Packaging and Packaging Waste Regulation 2025/40. It is important to preserve the integrity of the term "recycling" and use it to promote the circularity of high-quality materials. "Energy recovery" is a more accurate term to describe energy extraction typically characterized by downgraded material quality, or recovering energy from food scraps and other organic materials as shown in the City of Vancouver's zero waste approach diagram. This change would also be consistent with public feedback, "Don't count fuel as recycling" (as shown in the word cloud included with Metro Vancouver's April 10 workshop slides).

High-Quality Recycling vs. Recycling as Materials

We encourage Metro Vancouver to update the hierarchy to align with the European Union's recently-adopted Packaging and Packaging Waste Regulation 2025/40 to prioritize high-quality recycling over material recycling. The regulation entered into force on February 11, 2025 and generally takes effect in August 2026.[1]

In the E.U.'s regulation (Article 3):

- "**High-quality recycling** means any recycling process which produces recycled materials that are of equivalent quality to the original materials, based on preserved technical characteristics, and that are used as a substitute to primary raw materials for packaging or other applications where the quality of the recycled material is retained."
- "**Material recycling** means any recovery operation by which waste materials are reprocessed into materials or substances, whether for the original or other purposes, with the exception of biological treatment of waste, reprocessing of organic material, energy recovery and reprocessing into materials that are to be used as fuels or for backfilling operations."

This kind of distinction is important given that some repurposing and recycling strategies reduce environmental impact by displacing the use and disposal of virgin materials, but do not enable materials to continue circulating in the economy. For example, processing demolition waste to create demolition hog.[2]

The EU regulation includes a number of measures to support high-quality recycling, such as:

- Minimum recycled content requirements for plastic packaging (Article 7)

[1] https://environment.ec.europa.eu/topics/waste-and-recycling/packaging-waste_en

[2] Demolition hog is demolition waste consisting of at least 65% wood waste by weight, free of clean wood and ground to a certain size. Demolition hog is accepted by Vancouver Landfill for beneficial use such as the construction of temporary access roads and tipping pads, and eventually buried.

- Separate recycling collection and sorting infrastructure to meet quality standards (Article 48)

The Netherlands, an early adopter, promotes high-quality recycling by requiring single-use plastic cups to be recycled back into single-use cups with minimum recycling rates that start at 75% in 2024 and increase annually to 90% in 2027 and beyond.[3]

Alternatively, if Metro Vancouver prefers to not add another layer to the graphic, we suggest simply calling this layer "Recycling" and describing the difference and hierarchy between high-quality recycling and material recycling within the additional explanation recommended to accompany the hierarchy (see below).

Additional Explanation to Accompany Hierarchy

There are some details and nuances about the waste hierarchy that may not be obvious to members of the public. To help address this, additional explanation should accompany the hierarchy within the updated Solid Waste Management Plan (updated SWMP). Key points to include as part of this explanation are as follows:

- **Provide robust examples of 'Reduce' actions**. Many members of the public struggle to think of actions they can take that align with this level of the hierarchy. Residents and businesses largely associate sustainable waste management with recycling, and to a lesser degree, reuse. Providing a list of meaningful examples would help with this, such as: making a meal plan and shopping smart so you buy just what you need and use all the food you buy; looking for clothing that will last years so you can buy less clothing; gifting experiences instead of things. To demonstrate how Metro Vancouver is prioritizing this level of the hierarchy, examples of actions taken by Metro Vancouver that demonstrate 'Reduce' could also be provided, including actions to reduce corporate waste.
- **Explain that 'Energy Recovery' is not a circular process.** I.e. The materials are lost from the economy, and this is why this strategy is shown a last resort prior to disposal.
- **Explain why waste-to-energy is a 'Dispose' strategy, not an 'Energy Recovery' strategy.** Residents and businesses are unlikely to be familiar with the nuances that distinguish waste-to-energy from energy recovery (or 'Recycle as Energy,' as labelled in the currently proposed update). Presentation of the hierarchy in the updated SWMP should be accompanied by text that clearly explains why waste-to-energy is a disposal method. Including examples of energy recovery from niche materials (used as fossil fuel substitutes) would likely help to increase understanding.
- **Add graphics to the hierarchy to make public participation more accessible**. Incorporate a diagonal double-ended arrow alongside the triangle, similar to the City of Victoria's hierarchy, to illustrate the collective effort required to achieve Zero Waste. The accompanying description above the arrow could read: "cultivate community and encourage innovation."

[3] https://www.afvalcirculair.nl/minder-wegwerpplastic/horeca/

Circular Economy Model

A question was posed during the workshop about whether to introduce and explain the circular economy model as part of the updated SWMP, with the context that at this time, Metro Vancouver is planning to describe some circularity concepts, but not explicitly reference or explain the circular economy model.

City of Vancouver staff encourage Metro Vancouver to directly reference and explain the circular economy model in the updated SWMP. Circular economy is becoming more commonly used and referenced in countries around the world, including as a framework for achieving waste reduction. Although it is not yet well-known by members of the public in North America, we expect to see its usage increase over time. Metro Vancouver can help to introduce and familiarize our region's residents and businesses with the concept and principles by including it in the updated SWMP. It can be presented as a complementary framework for approaching sustainable waste management. For example, City of Vancouver includes both the waste hierarchy and circular economy model in the Zero Waste 2040 strategic plan, and our recent 5-year update to Vancouver City Council briefly summarized both frameworks.[4]

Implications for Calculating Regional Recycling Rate

City of Vancouver staff raised the questions below during the April 10 workshop about the implications of the proposed hierarchy for calculating the regional recycling rate. Thank you to Metro Vancouver staff for the answers provided (summarized below). Based on these answers, Metro Vancouver's planned annual reporting on the recycling rate going forward will help to increase transparency and understanding about our region's waste management performance.

- Will calculation of the annual recycling rate exclude materials recycled as energy going forward?
    - No, the regional recycling rate will continue to include both the amount of material recycled as material and the amount of material recycled as energy.
    - For example, currently wood waste used as a fuel commodity (fossil fuel substitute) is included in the regional recycling rate.
- Will the amount of material recycled as energy be reported separately from the amount of material recycled as material?
    - Yes, the amounts of material recycled as energy vs. material will be clearly reported.
- Will data from past years be updated to clearly show the amounts of material recycled as energy vs. material?
    - No, Metro Vancouver did not request or track data about the amounts of material recycled as energy vs. material separately in previous years. But going forward, Metro Vancouver is requesting, tracking and reporting this data as separate amounts.

[4] Zero Waste 2040 5-Year Implementation Update: https://council.vancouver.ca/20241023/documents/pspc3.pdf

2. Draft Goals

The proposed updates to the goals currently used in the 2011 Plan are a good reflection of the waste management outcomes our region should be striving for. In particular, we are supportive of the following changes and additions:



Figure 2. Updated goals presented by Metro Vancouver during Apr 10 workshop.

- Using more descriptive language that goes beyond quantitative measurement (e.g. "minimize," "maximize") and helps to reflects the complexity of waste management and conditions for success.
- Explicitly stating that waste prevention should be prioritized above other waste management strategies.
- Incorporating circular economy principles by identifying that materials should be kept in use as long as possible. This goal clearly reflects that reuse and recycling strategies should prioritize enabling materials to continue circulating (vs. reuse and recycling strategies that achieve just one more use before disposal).
- Referencing the need to make it easier to recycle if we want to improve our region's recycling performance and reduce contaminants in the recycling stream.
- Removing energy recovery from the list of goals, and instead referring to recycling effectively and disposing responsibly.
- Removing "dispose of all remaining waste in landfill, after material recycling and energy recovery." This goal indicated that waste-to-energy was a more beneficial outcome than landfill disposal, and did not align with Vancouver's Zero Waste 2040 strategic plan.

To further strengthen the goals and the updated SWMP, City of Vancouver staff recommend the following:

- **Update Goal 3 to include making it easier to reuse effectively.** (I.e. "Make it easier to reuse and recycle effectively.") While the intention may have been for Goal 2 and Goal 3 to align with the 'Reuse' and 'Recycle' levels of the hierarchy, respectively, we assert that the goals of "keeping materials in use as long as possible" and "making it easier" are equally relevant to both reuse and recycling strategies.
- **Consider adding a fifth "all/multiple goals" category for organizing actions**. We understand that the Province of BC recommends that goals be linked to the hierarchy, and that the plan's actions will be organized according to the goals. This approach is a good one, however, some actions can be anticipated to align with multiple goals/levels of the hierarchy. During the Idea Generation phase of engagement, actions were brainstormed using the guiding principles as a jumping off point. Actions that aim to increase affordability, convenience, resilience, accountability, transparency, inclusion, innovation and transparency will likely apply to multiple levels of the hierarchy. If an action applies to multiple goals, we would recommend against modifying it to align with just one of the four goals to avoid the risk of losing important components of the action.

Instead, we suggest to consider adding a fifth category for organizing actions that apply to multiple goals.

- **Display goals in a stacked sequence**, rather than a grid format to emphasize the preferred sequence.

3. Performance Metrics Update

The primary metrics proposed for the updated SWMP provide continuity with several existing metrics that Metro Vancouver tracks and reports annually.

Goal	Metric
All Goals	GHG emission reductions from solid waste initiatives
Prioritize waste prevention	Decrease in tonnes of waste generated per capita
Keep materials in use as long as possible	Increase in tonnes of measurable reuse
Make it easier to recycle effectively	Increase in Recycling rate (Total recycled/total generated)
Dispose of remaining garbage responsibly	Decrease in kg/capita disposal

Figure 3. Proposed primary metrics presented by Metro Vancouver during Apr 10 workshop.

City of Vancouver staff have the following additional feedback related to primary and secondary metrics:

- **Tonnes of waste generation and disposal.** City of Vancouver staff request that annual tonnes of waste generation and disposal be tracked and reported graphically in Metro Vancouver's published annual reports. Looking at waste generation and waste disposal in terms of annual totals, and not just per capita amounts, supports greater understanding of our region's waste trends. This reporting will also support analysis and reporting by member jurisdictions, such as City of Vancouver, that have adopted an absolute waste reduction goal, rather than a per capita target. Including the option to view annual totals using a future Power BI dashboard (as indicated by Metro Vancouver staff) would also be beneficial, however, for ease of access (especially while this type of dashboard is under development), our preference is for these metrics to also be included in Metro Vancouver's annual report published online.
- **Greenhouse gas emission reductions from solid waste initiatives.** During the April 10 workshop, Metro Vancouver staff clarified that the proposed primary metric, "GHG emission reductions from solid waste initiatives" will include Scope 1 and 2 emissions only. This approach is reasonable, given the current lack of a methodology for estimating Scope 3 emissions that intentionally incorporates a sustainable waste management lens. We encourage Metro Vancouver to include an action in the updated SWMP to work towards developing a suitable methodology, so that Scope 3 emissions can be included as metrics in future. For example, this research can begin by focusing on certain material streams, such as the built environment and edible wasted food.
- **Assessing metrics against the guiding principles.** Organizing metrics using the four goals as a framework is a good system, but this approach may fail to capture metrics that measure the performance of our region's waste management system in terms of the plan's guiding principles. Before finalizing the selection of metrics, we recommend taking an additional step to assess the suite of primary and secondary metrics against the guiding principles to check whether there are any undesirable gaps. Metrics that address these gaps may need to be organized under a fifth "All/Multiple Goals" category.

- **Secondary metrics about demolition waste by-laws.** City of Vancouver is currently exploring options for updating and developing new policy for reducing construction and demolition waste. As part of this work, we have completed a scan of member jurisdiction's demolition waste by-laws, including gathering data about by-law implementation and outcomes from some member jurisdictions. Metro Vancouver can support member jurisdictions to evaluate and further develop their own by-laws by compiling these statistics on an annual basis, similar to how illegal dumping stats are currently collected from each member jurisdiction. Relevant statistics for Metro Vancouver to begin tracking for each member jurisdiction include: (1) number of demolitions per year (disaggregated by 1- and 2- family homes, multi-family residential buildings, non-residential buildings); (2) number of demolitions subject to a demolition waste by-law with minimum reuse and/or recycling requirements; (3) average diversion rate and total diversion amount achieved each year (if applicable to the member jurisdiction); (4) average wood salvage rate and total wood salvage amount each year (if applicable); and (5) annual by-law compliance rate.
- **Secondary metrics to measure progress towards goals.** City of Vancouver staff have previously provided feedback on performance metrics for the updated SWMP on Nov. 15, 2024, including some recommended metrics. In addition to our prior feedback, we further recommend including the following secondary metrics:
    - Keep materials in use as long as possible: Measure tonnes of construction and demolition waste diverted for reuse and the number of organizations involved in circulating these materials for reuse.
    - Make it easier to recycle effectively: Track the number and spatial distribution of EPR drop-off locations across the region for each Stewardship agency. This data could be shared with senior levels of government to demonstrate where increased accessibility to recycling and reuse services is needed. This data should also be measured against population densities to promote equitable access to recycling services for Metro Vancouver residents.
    - Dispose of remaining garbage responsibly: In addition to total number of cases of illegal dumping, descriptive data should be collected and reported where possible, including waste type and volume/weight.

4. *Draft Options Analysis Criteria*

The draft criteria for analyzing which actions to include in the updated SWMP are an excellent reflection of the plan's guiding principles.

Economic	Environment	Social	General
• **Affordability** • Economic Prosperity • Collaboration • Innovation	• Circularity • Waste reduction • Greenhouse gas emissions reduction • Resilience • Environmental stewardship	• Inclusion • Convenience • Community participation • Supports waste prevention habits and actions	• Practicality of Implementation • Accountability • Transparency • Consistency/ harmonization

Figure 4. Draft options analysis criteria presented by Metro Vancouver during Apr 10 workshop.

City of Vancouver staff have the following additional feedback related to the draft options analysis criteria:

- **Rigorous and complete.** The list of criteria will allow for a rigorous analysis of the action options.

- **Move some criteria to the 'General' category.** Thank you to Metro Vancouver staff for summarizing feedback on the criteria already received from other review groups during the April 10 workshop. We agree with the recommendation from these stakeholders that some criteria are a better fit for the 'General' category, such as Collaboration and Resilience.
- **Weighting of criteria.** Thank you to Metro Vancouver staff for identifying that the economic, environment and social categories of criteria will be considered of equal importance during the analysis exercise. We support this approach.
- **Application of criteria.** Metro Vancouver staff explained during the April 10 workshop that each action will be analyzed by assigning a "high," "medium," "low" rating against each criteria. This method seems appropriate, and more feasible than attempting to assign a quantitative score against each criteria. We suggest that the high/medium/low scale may need to be adjusted to reflect that some actions may have no impact on the criteria or a negative impact.
- **Pairing actions with metrics.** We understand that the final selection of secondary metrics will partly depend on what actions are selected, and support this process flow. The pairing of actions and metrics will be particularly important when it comes to actions for which the impact on one or more criteria is unknown and/or depends on the specifics of how it is implemented. In these cases, we encourage Metro Vancouver to ensure the action is accompanied by suitable secondary metrics that will allow for monitoring the impact of that action over time, including any unintended consequences.
- **Assessing a complete set of actions against guiding principles.** Before finalizing the selection of actions, we recommend taking an additional step to assess how well the set of actions as whole represents the guiding principles. This assessment step may daylight opportunities to further refine and improve the final set of actions. As a hypothetical example, if there are many actions that reflect improving affordability, but only one or two actions that speak to inclusion, it may be valuable to make further revisions to the list of actions to ensure the updated SWMP meaningfully reflects all the guiding principles.
- **Land use and spatial analysis.** Including actions with a land use and spatial analysis lens is an opportunity to help ensure the updated SWMP meaningfully reflects guiding principles such as convenience and inclusion. For example, mapping locations of waste services, assets and events in the region, and layering this analysis with demographic data. To help keep this opportunity in mind, Metro Vancouver staff could consider adding a "spatial analysis" criterion to the assessment process. This criterion does not need to be used to inform the selection of actions, but could help prompt staff to consider if there is an opportunity to embed a spatial analysis component within various actions. For example, an action to "increase the number of repair cafes in the region" could be enhanced by including "analyze the location of repair café events to ensure they are conveniently located to serve diverse communities across the region.

5. Other Feedback

City of Vancouver staff would also like to provide the following additional feedback:

- **Emergency management capacity.** Due to increasing unpredictability and severity of weather events related to climate change, City of Vancouver staff recommend that the updated SWMP should include an analysis of emergency management capacity within the region's solid waste sector. Flooding events experienced in 2021 necessitated a temporary increase in regional disposal capacity. Future capacity for disaster debris management on a regional scale should be analyzed.
- **Diversion rate vs. recycling rate.** City of Vancouver staff recommend that the updated SWMP and subsequent reporting go back to using the term "diversion rate" instead of "recycling rate" to avoid conflating energy recovery with recycling.

Closing

Thank you again for your leadership in developing the current solid waste management plan update and for the opportunity to provide input at the start of the Options Analysis phase.

City of Vancouver staff would be pleased to continue this conversation and share information, resources, and contacts as needed.

Please do not hesitate to reach out to Jonathan McDermott, Director, Solid Waste Management, at jonathan.mcdermott@vancouver.ca if you would like to discuss any of these topics.

Yours truly,



Jonathan McDermott, P.Eng.
Director, Solid Waste Management

507 West Broadway, Vancouver, BC V5Z 0B4
604-871-6241
jonathan.mcdermott@vancouver.ca

From: Doug Schell [redacted]
Sent: June 20, 2025 11:08 AM
To: Brooke Atkinson
Subject: Feedback from the PTAC meeting yesterday

Follow Up Flag: Follow up
Flag Status: Flagged

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Brooke..I wanted to make sure the following points and statements are noted and considered. (Very busy session yesterday). Should these be directed to you?
Thanks

- *Toxic Emissions:*

Even with modern pollution controls, WTE incinerators emit toxic pollutants—including dioxins, furans, and fine particulate matter—through their smokestacks. These substances can bioaccumulate and are linked to serious health effects like cancer, hormone disruption, and respiratory disease.

- *Fly Ash and Bottom Ash:*

The process leaves behind fly ash (highly toxic and filled with heavy metals like lead, mercury, and cadmium) and bottom ash, which together account for about 15–20% of the original waste volume. This hazardous material often ends up in landfills, posing long-term contamination risks.

- *Cost and Long-Term Lock-In:*

WTE plants are expensive to build and operate, requiring decades of guaranteed waste supply to justify the investment. This locks municipalities into long-term contracts that discourage efforts to reduce or divert waste, because burning garbage becomes economically necessary to feed the incinerator.

- *Undermines Zero Waste Goals:*

WTE sends the wrong message. Instead of reducing consumption, improving recycling, and investing in reuse systems, it encourages business-as-usual disposal. People and producers are not held accountable for the waste they create.

The WTE debate has been going on for a while at our PTAC meetings and I may have lost the reason why the Zero Waste Hierarchy 8.0 was not adopted in its entirety . Do you have a summary of why it's. been altered in the first place? I support the 8.0 version because of the guiding principles that are detailed and easy to follow

Doug

From: Brooke Atkinson
Sent: July 18, 2025 9:18 AM
To: 'Doug Schell'
Cc: Paul Henderson; Stephanie Liu; Terry Fulton; Chris Underwood
Subject: RE: Feedback from the PTAC meeting yesterday

Hi Doug,

Thank you for your email regarding feedback. Metro Vancouver staff have received similar comments and the feedback has and will continue to be considered during the plan update process. On July 3, 2025, the Zero Waste Committee received a report (Item E1) recommending approval of a draft waste hierarchy and draft goals for the updated solid waste management plan. The report notes feedback from PTAC and others. There was discussion among Zero Waste Committee members at the July 3, 2025 meeting, with various perspectives expressed. The report was ultimately endorsed by the Committee, and will be considered by the GVS&DD Board on July 25, 2025. The current proposed waste hierarchy shows that Metro Vancouver remains committed to prioritizing waste prevention first, followed by reuse and recycling, before other waste management options including recovery, and disposal as a last resort. We have also ensured alignment with the Provincial and Federal waste hierarchies.

With respect to your comments on disposal options, Metro Vancouver continues to work on a Residual Waste Management Options Review as part of the plan update process, and PTAC will have an opportunity to review and discuss the draft.

Feedback, including your email, is being tracked and included as part of the record of engagement that will be submitted to the Ministry of Environment and Parks.

Thanks,

Metro Vancouver Solid Waste Services Team

From: Doug Schell [redacted]
Sent: Friday, June 20, 2025 11:08 AM
To: Brooke Atkinson <Brooke.Atkinson@metrovancouver.org>
Subject: Feedback from the PTAC meeting yesterday

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Brooke..I wanted to make sure the following points and statements are noted and considered. (Very busy session yesterday). Should these be directed to you?
Thanks

- *Toxic Emissions:*

Even with modern pollution controls, WTE incinerators emit toxic pollutants—including dioxins, furans, and fine particulate matter—through their smokestacks. These substances can bioaccumulate and are linked to serious health effects like cancer, hormone disruption, and respiratory disease.

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: Wednesday, July 2, 2025 4:39:32 PM
To: michael.Wolfe@richmond.ca <michael.Wolfe@richmond.ca>; Zhou, Lenny <Lenny.Zhou@vancouver.ca>; pietro.calendino@burnaby.ca <pietro.calendino@burnaby.ca>; rwallace@langleycity.ca <rwallace@langleycity.ca>; darlings@portcoquitlam.ca <darlings@portcoquitlam.ca>; Craig Hodge <CHodge@coquitlam.ca>; Kirby-Yung, Sarah <Sarah.Kirby-Yung@vancouver.ca>; muril@dnv.org <muril@dnv.org>; paul.weverink@anmore.com <paul.weverink@anmore.com>; sferguson@tol.ca <sferguson@tol.ca>; mayor@surrey.ca <mayor@surrey.ca>
Subject: Urgent Letter for Consideration before July 3rd meeting

Dear Chair and Members of the Zero Waste Committee;

I am sending the attached letter on behalf of concerned committee members, organizations and stakeholders committed to zero waste and environmental health.

Sincerely,

Jamie Kaminski, ZWa & True Advisor
President
HSR Zero Waste

(604) 464-0242 ext 109
jamie@hsrzerowaste.com
hsrzerowaste.com
1603 Langan Ave., Port Coquitlam, BC, V3C 1K6

Citizenship | Leadership | Environment | Empowerment | Responsibility

We acknowledge that Happy Stan's Recycling Services Ltd operates from the traditional, ancestral and unceded territory of the kʷikʷəƛ̓əm (Kwikwetlem), səlilwətaɬ (Tsleil-Waututh), xʷməθkʷəy̓əm (Musqueam), Sḵwx̱wú7mesh (Squamish), q̓iċəy̓ (Katzie), qʼʷaːn̓ ƛ̓ən̓ (Kwantlen), qiqéyt (Qayqayt), and Stó:lō (Sto:lo) Peoples,

and extend appreciation for the opportunity to work on this territory.

July 2, 2025

Chair and Members

Zero Waste Committee

Solid Waste Services

Metro Vancouver Regional District

4730 Kingsway

Burnaby, BC V5H 0C6

Re: Objection to Classifying Waste Combustion for "Fossil Fuel Alternatives" Under Recovery Tier

Dear Chair and Committee Members,

We write to express serious concern regarding Metro Vancouver's proposed inclusion of waste combustion—particularly through the use of refuse-derived fuel (RDF) or engineered fuel—as a method of "recovering resources from non-recyclable materials" under the *Recover* tier of the draft Solid Waste Management Plan (SWMP) hierarchy. While this classification attempts to distinguish these processes from traditional waste-to-energy incineration, the underlying outcome remains the same: the irreversible destruction of material resources through combustion. Whether the feedstocks include plastics, treated wood, textiles, composites, or other chemically complex materials, the use of such fuels in industrial applications does not constitute recovery—it is disposal. Reframing this activity as diversion risks undermining core principles of waste prevention, circular economy design, and environmental protection.

Reframing Combustion as Diversion Undermines Long-Term Progress

Positioning thermal destruction as a recovery mechanism, even with the updated distinction from recycling, threatens to undo decades of work—by governments, communities, and industries—focused on redesigning packaging, advancing circular systems, and scaling reuse and refill models. It also jeopardizes future progress toward Metro Vancouver's stated goals to "enable circular systems that preserve resources" and to "minimize waste generation" through meaningful source reduction strategies.

Allowing this form of combustion to remain within the diversion metrics sends a

dangerous policy signal: that the region is willing to equate the destruction of materials with their recovery. This misrepresents what recovery truly means in a circular economy and reduces the urgency and accountability placed on producers to design materials and packaging for genuine reuse, recycling, or compostability.

Combustion of Plastics and Treated Wood Is Hazardous, Not a Climate Solution

Plastics, derived almost entirely from petrochemicals, are not fossil fuel *alternatives*—they are fossil fuel products. When burned, they release substantial greenhouse gas emissions and toxic by-products such as dioxins, benzene, styrene, and heavy metals. Reframing their incineration as "creating alternatives to fossil fuels" is misleading and counterproductive, masking environmental harm under the guise of recovery.

Treated and composite wood materials further compound this risk. These often contain glues, stains, preservatives, formaldehyde-based resins, and other chemical additives that release harmful pollutants—including fine particulate matter (PM2.5), volatile organic compounds (VOCs), and carcinogens—when combusted. Without strict controls and continuous emissions monitoring, burning these materials introduces unnecessary risks to public health and environmental safety.

Industrial Use of Refuse-Derived Fuel (RDF) Is Not Diversion, and Carries Significant Risks

The classification of "creating alternatives to fossil fuels" within the *Recover* tier appears to also encompass the use of RDF or engineered fuel in industrial applications such as cement kilns, pulp mills, lime plants, and other facilities. While this might appear to displace traditional fossil fuels, it does so by introducing chemically complex waste into industrial combustion systems not designed or permitted for such use.

Industrial Use ≠ Circular Recovery

Industrial facilities are designed for production, not waste destruction. When RDF is burned:
- Combustion byproducts include persistent organic pollutants (POPs), chlorine compounds, dioxins, and heavy metals.
- There are typically no mandatory third-party reviews, public consultations, or environmental impact assessments for these fuel-switching decisions.
- Monitoring of pollutants such as PM2.5, mercury, or dioxins is inconsistent or entirely absent from regulatory frameworks.

Regulatory and Precedent Risks

Canada and British Columbia currently lack consistent standards for RDF use in industrial co-processing. Cement kilns and pulp mills are not required to use continuous emissions monitoring systems (CEMS) for many critical toxins associated with waste combustion. Air quality standards do not reflect the complexity and toxicity of mixed waste feedstocks, and there are few, if any, public disclosures on what is being burned and what is being emitted.

By classifying RDF combustion as "resource recovery," Metro Vancouver risks normalizing the practice across multiple sectors, creating a regulatory blind spot and weakening incentives for upstream material solutions.

Undermining Circular Economy Goals

Such a classification allows the destruction of resources to be counted as diversion, providing cover for systems that destroy rather than preserve value. It risks disincentivizing packaging redesign, material recovery innovation, and community-scale reuse and refill programs. It also opens the door to widespread combustion of heterogeneous waste in facilities ill-equipped to manage the environmental and health risks.

This approach is fundamentally incompatible with the Plan's stated commitments to resource preservation, waste minimization, and pollution prevention, and it sets a precedent that will be difficult to reverse.

A Call for Informed Oversight and Expert Engagement

Should these risks not be fully accepted or understood by all stakeholders involved in approving Metro Vancouver's Solid Waste Management Plan, we strongly recommend that an independent expert be invited to present directly to the Zero Waste Committee, the Public/Technical Advisory Committee (PTAC), the Integrated Advisory Committee (IAC), and the GVS&DD Board.

This expert—ideally from the Energy Justice Network or a comparable organization with expertise in waste combustion, environmental health, and regulatory risk—can clearly explain the environmental, legal, and public health implications associated with classifying combustion of waste-derived fuels as "recovery." The presentation should include time for meaningful dialogue and Q&A, allowing committee members and staff to raise concerns and explore technical considerations in an open, evidence-based forum.

If Metro Vancouver intends to advance a credible and protective plan for the region, it is essential that all approval bodies are fully informed about the potential environmental, legal, and public health consequences associated with this classification.

Conclusion

Combusting waste—whether through mass burn facilities or industrial co-processing—represents the most significant barrier to achieving a progressive and effective zero waste system in Metro Vancouver. The reclassification of this process from recycling to recovery, while notable, is insufficient. The outcome remains the same: the destruction of material resources and the release of harmful emissions from chemically complex and often toxic feedstocks. Such practices must be treated as disposal, not diversion.

We urge Metro Vancouver to reconsider this classification, to uphold the foundational principles of the Solid Waste Management Plan, and to reaffirm its commitment to waste prevention, material preservation, and true circular economy innovation.

Sincerely,

Jamie Kaminski

President – HSR Zero Waste

On behalf of concerned committee members, organizations and stakeholders committed to zero waste and environmental health.

Doug Schell
Achilles Mallari – Sierra Waste Services Ltd.
Ralph McRae – McRae Group
Sue Maxwell – Zero Waste BC
Angus Macfarlane - Growing City
Brenda Martens – Aedify Consulting
Gil Yaron – Lighthouse

From:	Alison Hilkewich on behalf of Paul Henderson
To:	jamie.kaminski@zerowastecanada.ca; [redacted] gil@light-house.org; amallari@sierrawaste.ca; ralph@mcraegroup.ca; smaxwell@zerowastebc.ca; angus@growingcity.ca; brenda@aedify.ca
Cc:	Paul Henderson
Subject:	Response to July 2, 2025 Letter Regarding Waste Hierarchy
Date:	Monday, July 14, 2025 3:25:14 PM
Importance:	High

Dear Jamie Kaminski and other signatories to the letter dated July 2, 2025, titled "Objection to Classifying Waste Combustion for "Fossil Fuel Alternatives" Under Recovery Tier", addressed to the Metro Vancouver Zero Waste Committee:

Director Sarah Kirby-Yung, Chair of the Zero Waste Committee, has requested that staff reply on her behalf to acknowledge information provided in your letter describing concerns with the draft waste hierarchy. On July 3, 2025, the Zero Waste Committee received a report (Item E1) recommending approval of a draft waste hierarchy and draft goals for the updated solid waste management plan. The report notes that a number of members of the Public/Technical Advisory Committee suggested that any management of waste through combustion processes should not be included in the hierarchy. The report also notes that this would be inconsistent with Metro Vancouver's current approach to managing residual garbage, and inconsistent with the Provincial and Federal waste management hierarchies. There was discussion among Zero Waste Committee members at the July 3, 2025 meeting with various perspectives on the hierarchy expressed. The report was ultimately endorsed by the Committee, and will be considered by the GVS&DD Board on July 25, 2025.

Metro Vancouver continues to prioritize waste prevention and recycling first, before other waste management options including recovery, and disposal as a last resort.
Your feedback, and similar feedback heard through the Public/Technical Advisory Committee, will be included in the engagement records that will ultimately be provided to the Minister of Environment and Parks.

Sincerely,

Paul Henderson, P.Eng.
General Manager
Solid Waste Services
t. 604.432.6400

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

July 3, 2025

Dear SWMP Independent Consultation and Engagement Panel,

We greatly appreciate the extra effort taken to engage more broadly with different constituencies across Metro Vancouver, however we are concerned that the information being shared with the Zero Waste Committee is not inclusive of all of the feedback given.

Some areas of particular concern are:

- PTAC provided feedback on two version of the hierarchy and changes have been made but the version going to the ZWC still includes alternatives to fossil fuel but in a different way. This does not reflect the feedback from the committee nor was there a chance to review this version at the committee.
- There have been requests to discuss residual management options before selecting actions or goals so that the level of ambition in the plan is known and thus the scale of actions can be informed. We are concerned that the opposite approach is being taken -to select the actions and then stay committed to running an incinerator.
- There have been consistent calls for the waste to energy facility to be phased out at both general PTAC committee meetings and at all three working groups. This call has been requested in discussions on the goals, the hierarchy and also in the ideas generation phase. So far there has been no discussion and limited reporting in this.
- In both the PTAC and IAC, members have started asking for minutes to more accurately reflect the conversation as opinions that may differ from staff's are often not recorded or are recorded in a weaker fashion. This means that if a ZWC member were to read the minutes, they would not know the level of concern on key issues from members.
- There were many suggestions regarding stopping continued incineration that can be seen in the detailed log of ideas but this is not reflected in the summary. This is reminiscent of the last planning process where the majority of opinions on waste to energy were not in favour but it was unclear if that information was ever shared with the Zero Waste Committee or the Board before approving the plan.
- The options criteria shown on the July 3rd-had been consulted on at the May PTAC meeting with input on how to improve them but there has been no change to them.

These examples lead us to feel that staff are developing the plan independent of the advice it receives with no explanation or discussion.

To add to this feeling of needing a rubber stamp, PTAC has had to ask for additional meetings as the process proposed would give only a few minutes for discussion and certainly not enough time for all members (many of whom are new) to share their thoughts. The previous agendas have been full of updates and other items that are not necessary for the work of the committee and yet the key tasks had insufficient time. Often the engagement was to be done in breakout groups so the whole committee would not get to hear other's opinions or form a consensus. We are grateful for the extra meetings that have since been granted but wish to ensure that the time is well spent and the feedback taken in for thoughtful deliberation.

In addition, the timeline for this plan: start (approval to pursue it in 2019) to establishing committees (2022) to possible approval (2027) for a ten year plan that needs updates every five years shows the need for improved efficiency. This would be easier if there was an existing Plan Monitoring Committee as many members would then already be up to date on current systems. It will also be better now that more thorough engagement systems have been established. Metro Vancouver has engaged a consulting firm to assist with this process (these companies are used to turning around plans in a much shorter time) but staff are doing much of it themselves and not availing themselves of the expertise. This also adds the sense of being drawn to foregone conclusions rather than true engagement. The time delay also means that the 14 year old plan is still being used to guide decisions.

We are sending this letter to be taken as constructive criticism in hopes that further improvements can be made.

Sincerely,
Sue Maxwell,
ZWBC Board Chair and member of PTAC

From: Alison Hilkewich **On Behalf Of** Paul Henderson
Sent: Thursday, August 21, 2025 11:45 AM
To: 'jamie.kaminski@zerowastecanada.ca' <jamie.kaminski@zerowastecanada.ca>
Subject: RE: Metro Vancouver Consultation Transparency Concerns -SWMP
Importance: High

Hi Jamie,

I received a copy of your letter to the Zero Waste Committee dated July 23, 2025, titled "Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process". I'm copying my response to the Chair and Vice Chair of the Zero Waste Committee, and the Co-Chair of the Solid Waste and Recycling Industry Advisory Committee. I'm also copying the Independent Consultation and Engagement Panel.

As I have indicated in the past, we appreciate your participation in the Industry Advisory Committee (IAC) and Public/Technical Advisory Committee (PTAC) knowing that your participation is part of your commitment to helping advance waste reduction and recycling in the region, and that the perspectives you bring to the committees reflect your years of experience in the waste and recycling industry.

It is unfortunate that you believe that the IAC and PTAC minutes do not fully reflect the conversations of the meetings. Our goal throughout the process of both the IAC and PTAC is to ensure transparency with respect to recording the discussions that occur at those meetings. A few mechanisms that are in place to help promote transparency:

- Notes for IAC are produced by a third party note-taker
- At the beginning of each meeting for each of IAC and PTAC, the meeting chair asks participants if there are any errors or omissions in the notes (following your question at a recent IAC meeting on timing of posting of the notes, we are now posting IAC notes soon after the meeting to ensure that members can review them while their recollection of the meeting is fresh)
- Both IAC and PTAC have representatives of the Zero Waste Committee participating in the roles of Co-Chair of IAC, and Chair and Vice-Chair of PTAC, to ensure a direct link to the Zero Waste Committee for those committees
- All meeting information (agendas, notes, livestream) is available on Metro Vancouver's website
- Meetings are open to the public, and for virtual meetings, the livestream is available both in real time and as part of the meeting documentation available on the website
- Reports to the Zero Waste Committee and Board with respect to the solid waste management plan update include summaries of related feedback received from both the IAC and PTAC.
- The terms of reference for PTAC and IAC note that votes are not held to determine the committee's position on issues or recommendations; however, committee feedback, including consensus or dissenting opinions, are captured in the meeting notes.

One of the points in your letter is that feedback from small group discussions are typically reported as an attachment to meeting notes rather than being integrated into the meeting notes. Something we can ensure going forward is that highlights from report-outs from small group sessions are included in the meeting notes. Additionally, we will continue to make sure that there

is an opportunity for any member to provide their specific feedback in plenary if they do not feel their perspectives have been adequately communicated in the report-outs.

Residuals Management
As you note in your letter the region's approach on residuals management will be an important element of the solid waste management plan. As we have reported at IAC and PTAC, a technical study is nearing completion on options for residual disposal. The terms of reference for the study were provided to both IAC and PTAC for comment in advance of the study starting. We are intending to bring the draft results of the study to PTAC and IAC in September.

With respect to the Vancouver Landfill, as reported to the IAC in previous meetings, Metro Vancouver, the City of Vancouver, and City of Delta are in discussions with respect to using the Vancouver Landfill to its physical capacity. As soon as those discussions are complete, we will report on the outcome to both IAC and PTAC.

Additional Mechanisms to Support IAC and PTAC Transparency
As noted above, we are now posting IAC notes soon after the meeting to ensure that members have an opportunity to review the notes for any errors or omissions while the meeting is still fresh in members' minds. PTAC follows a similar approach. We will also ensure that highlights of any report-outs from small group discussion are captured in the meeting notes. Additionally, a member or members of the Independent Consultation and Engagement Panel will attend IAC and PTAC meetings to ensure that they are aware of conversations that occur at those meetings.

We don't see a benefit including the IAC and PTAC meeting notes as attachments to the Zero Waste Committee agendas, but as noted above, those notes are available on the Metro Vancouver website, and related feedback from IAC and PTAC is included in solid waste management plan reports to the Zero Waste Committee and Board.

With respect to your suggestion to have dedicated meetings on topics such as residuals management, we are happy to add meetings to either IAC or PTAC as required and have done that for both committees in the past.

With respect to the draft solid waste management plan hierarchy, it was approved by the Board at its July 25, 2025 meeting following endorsement by the Zero Waste Committee at its July 3, 2025 meeting. The report to the Zero Waste Committee and Board noted that a number of members of PTAC did not support including any form of combustion in the hierarchy. The hierarchy will be considered again as part of the overall draft solid waste management plan that we expect to be able to provide to the Zero Waste Committee and Board for consideration in 2026. At that time, we will ensure to continue to provide the Zero Waste Committee and Board with feedback from IAC and PTAC on all elements of the draft plan including the hierarchy.

Paul.

Paul Henderson, P.Eng.
General Manager
Solid Waste Services
t. 604.432.6400

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: Wednesday, July 23, 2025 8:21 AM
To: clrkirby-yung@vancouver.ca; Secretariat@metrovancouver.org
Cc: mayor.hurley@burnaby.ca; Metro Vancouver - Solid Waste <solidwasteoperations@metrovancouver.org>; SWMP.IP@gov.bc.ca
Subject: Metro Vancouver Consultation Tranparency Concerns -SWMP

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Committee Chairs and Members,

Please find attached a formal letter and information package outlining critical concerns regarding the transparency, accuracy, and integrity of the consultation process for Metro Vancouver's Solid Waste Management Plan (SWMP).

This submission is directed to the Zero Waste Committee, Metro Vancouver Board of Directors, the Independent Consultation and Engagement Panel (Attn: Andrea Reimer), and the BC Ministry of Environment's SWMP Oversight team.

I respectfully request that this correspondence be formally received and considered as part of the SWMP review process. I would welcome the opportunity to discuss these matters further and am available at your convenience.

Thank you for your attention.

Jamie Kaminski, ZWa & True Advisor

President

HSR Zero Waste

(604) 464-0242 ext 109
jamie@hsrzerowaste.com
hsrzerowaste.com
1603 Langan Ave., Port Coquitlam, BC, V3C 1K6

Citizenship | Leadership | Environment | Empowerment | Responsibility

We acknowledge that Happy Stan's Recycling Services Ltd operates from the traditional, ancestral and unceded territory of the kʷikʷəƛ̓əm (Kwikwetlem), səlilwətaɬ (Tsleil-Waututh), xʷməθkʷəy̓əm (Musqueam), Sḵwx̱wú7mesh (Squamish), q̓ic̓əy̓ (Katzie), q'ʷa:n̓ ƛ̓'ən̓ (Kwantlen), qiqéyt (Qayqayt), and Stó:lō (Sto:lo) Peoples,

and extend appreciation for the opportunity to work on this territory.

Jamie Kaminski
President – HSR Zero Waste
jamie@hsrzerowaste.com

July 23, 2025

Metro Vancouver Zero Waste Committee
Attn: Chair and Members
Metro Vancouver Regional District
Metrotower III, 4515 Central Boulevard
Burnaby, BC V5H 0C6

CC:

British Columbia Provincial Oversight Committee
Metro Vancouver Board of Directors
Solid Waste Management Plan Independent Consultation and Engagement Panel

---

RE: Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process

Dear Chair and Members of the Zero Waste Committee,

I am writing to formally express deep concern regarding significant issues with transparency, accuracy, and integrity in the consultation and decision-making process for the Solid Waste Management Plan (SWMP). As an active participant in the Industry Advisory Committee (IAC) and Public Technical Advisory Committee (PTAC), I have directly observed substantial gaps and distortions between the advisory committees' discussions and how their feedback is represented to your committee.

Attached to this letter is a detailed information package that documents and substantiates these concerns through rigorous comparison of advisory committee meeting discussions, official minutes, and subsequent staff reporting to your committee.

Key Issues Identified:

1. **Misrepresentation of Advisory Input:**
   Crucial advisory recommendations, such as strong opposition to categorizing waste-to-fuel or refuse-derived-fuel (RDF) as recycling or diversion, have been significantly diluted or generalized when reported to your committee. Expert feedback from IAC and PTAC clearly indicated this practice is misleading and inappropriate, yet it remains largely underreported or minimized in Zero Waste Committee (ZWC) documentation.

2. **Delayed or Omitted Critical Discussions:**
   Repeated requests from advisory committees for explicit and timely discussions regarding residual management, landfill capacity, and disposal strategies have been systematically deferred or ignored. This critical information, fundamental to informed policy-making, has not been transparently presented to your committee.

3. **Pattern of Selective Reporting and Dilution:**
   Advisory feedback that aligns with predetermined Metro Vancouver staff positions is clearly and fully represented, while dissenting expert views or concerns are minimized or relegated to brief mentions, thus creating an unbalanced perception of consensus.

4. **Recent July 2025 Advisory Discussions:**
   The recent July 2025 advisory meetings strongly reinforced earlier positions clearly stating that waste-to-fuel should unequivocally be classified as Disposal or preferably "Unacceptable" and excluded entirely from diversion metrics. This information has yet to be transparently conveyed to your committee, creating a substantial risk of premature and ill-informed decision-making.

Requests for Immediate Action:

- Defer any final decisions on the waste management hierarchy or residuals management until the complete July 2025 advisory meeting documentation is thoroughly reviewed by your committee and this aspect of the SWMP is fully and thoroughly discussed, along with a presentation from and discussion with an industry expert in the field of residuals management from either the Energy Justice group, GAIA, or Zero Waste International Alliance.
- Implement mandatory inclusion of draft advisory committee minutes and detailed feedback summaries in Zero Waste Committee reports moving forward.
- Schedule dedicated committee discussions specifically addressing residual management, landfill lifespan, and waste-to-fuel classifications prior to adopting any new policies.
- Establish clear protocols ensuring all dissenting advisory viewpoints are transparently reported, preserving the integrity of committee deliberations.

Your prompt attention to these issues will reinforce the integrity of our regional solid waste management decision-making process and ensure genuinely collaborative stakeholder engagement.

Thank you for your immediate consideration. I remain available to discuss this further at your earliest convenience.

Respectfully,

Jamie Kaminski

Attachments:

- Comprehensive analysis and summary comparing advisory meeting minutes to Metro Vancouver Zero Waste Committee reports (January–July 2025)
- Comprehensive analysis and summary of advisory committee discussions and corresponding gaps in staff reporting
- Supplemental Findings

Review of Recent IAC and PTAC Meetings
Findings and Discrepancies
(July 17th, 2025 – HSR Zero Waste)

Introduction

Metro Vancouver's Solid Waste **Industry Advisory Committee (IAC)** and **Public/Technical Advisory Committee (PTAC)** play key roles in the ongoing Solid Waste Management Plan update. To assess the transparency and integrity of this consultation process, we reviewed the published minutes and available video recordings of the last five meetings of each committee. Specifically, we compared official meeting minutes against the actual discussions (as evident from video or transcript) to identify any discrepancies, omissions, or misrepresentations. Our analysis focused on how key issues were documented, including:

- Concerns about classifying waste-to-fuel ("fuel substitutes") as *recycling*.
- Whether committee feedback and objections, especially expert input, were fully and accurately recorded.
- Treatment of major topics such as residuals management (long-term disposal), landfill capacity, and the draft waste management hierarchy in the minutes versus actual discussion.
- Instances where member comments were omitted or summarized in a potentially misleading way.

Below we summarize our findings, with supporting evidence from official IAC/PTAC minutes and related materials.

Meetings Reviewed

For the **Public/Technical Advisory Committee (PTAC)**, we examined meetings in late 2024 and 2025, including: September 13, 2024; November 21, 2024; February 21, 2025; April 10, 2025; and the special meeting on May 8, 2025 (convened to continue April's agenda). For the **Industry Advisory Committee (IAC)**, we included: November 7, 2023; January 9, 2024; March 5, 2024; April 8, 2024; and subsequent early 2025 meetings (February 4, 2025 and March 4, 2025). These encompass the most recent five or more gatherings where substantive plan-related discussions occurred. Meeting minutes were obtained from Metro Vancouver's website (often as part of agenda packages), and video recordings (where available) were reviewed to verify the content of discussions.

(Note: Some IAC/PTAC meetings in this period were held virtually with recordings posted, while a few were in-person with no recordings. In those cases, our analysis relies on the official minutes and any available transcripts or summaries.)

Findings and Key Issues

1. Classification of Waste-to-Fuel as "Recycling" – Concerns and Documentation

One of the most contentious issues has been whether materials diverted from waste to produce fuel (often termed "fuel substitutes" or "recycle as energy") should count as **recycling** in the waste management hierarchy. Multiple committee members – including industry representatives and zero-waste experts – raised **strong objections** to labeling waste-to-fuel as recycling.

- **PTAC Small-Group Feedback (April 10, 2025):** During the April 10 PTAC meeting, members broke into groups to discuss the **draft waste hierarchy**. The *initial draft hierarchy* presented by staff included a category for "Recycle as energy" (meaning recovering waste for fuel/energy). In small-group reports, **members voiced concern** that this would legitimize waste-to-fuel as an equally desirable outcome, thereby **discouraging higher-tier actions** like reduction and true recycling. The summary of their discussion (attached to the meeting record) shows members felt *"Recycle as energy" is not clear* and that *recycling should only refer to materials at their highest value*, not burning for energy. Specifically, the inclusion of "Recycle as energy (fuel)" in the hierarchy *"suggests a constant demand and would ultimately discourage active participation in the top of hierarchy,"* according to the PTAC feedback. While it was noted in the attached details; someone suggested that if such a category exists at all, it be reframed (e.g. renamed "Dedicated Fuel") or **moved under disposal rather than recycling**, *"'Recycle as energy' is more appropriate in disposal; it should be 'disposal as energy'"*. In the "Dispose" section of the detailed notes, it was recorded that a participant stated that energy recovery should rank above landfill if considered at all, noting *"waste-to-energy should be included above landfill, since it still has a beneficial component***," but there was no mention in the details in that same section that many argued that incineration should be either below landfilling or unacceptable.** Even though this feedback **exists in the attachment it is still incomplete**, and the **main minutes of the April 10 PTAC meeting** only briefly note that *"members had small group discussions on [the draft hierarchy]; a summary of these discussions is included as Attachment 1"*. **No detailed points from this debate appear in the body of the minutes**, potentially downplaying the level of concern to anyone reading the minutes without the attachment.
- **IAC Discussion and Q&A (May 6, 2025):** The IAC's May 6 meeting (held via Zoom) provides a stark example of members pressing Metro Vancouver staff on this issue. According to the official minutes, during a presentation on the **"Updated Waste Hierarchy and Goals,"** a member asked pointedly whether Metro Vancouver has **decided to count fuel derivatives as recycling**, noting that *"the Provincial government includes fuel substitutes in its definition of recycling, but other countries have excluded creating fossil fuels from their definitions."* The question: *"Has Metro Vancouver confirmed that fuel substitutes should be included in the recycling section?"*. Staff's response (per minutes) was that *"Metro Vancouver is not bound by the Provincial hierarchy; however, the current practice is to count material used as a fuel substitute as recycling."*. This essentially confirmed that, at least **at present, Metro Vancouver does count waste-to-fuel toward recycling**, despite international examples to the contrary.

The exchange did not end there. A follow-up **Q/C (question/comment)** from a committee member pressed further: *"So this was a decision by Metro Vancouver to include materials used as fuel substitute in the recycling definition? There have been many voices saying that this is not appropriate."*. The member went on to state that counting fuel as recycling *"does a disservice to the recycling industry who are trying very hard to find markets for materials that can be recycled."* In other words, experts in the industry feel this practice **undermines real recycling efforts** by artificially inflating recycling rates with what is essentially disposal (fuel burning). The **minutes do capture this strong language** (without naming the speaker) and show that Metro Vancouver staff responded by acknowledging the feedback but somewhat deflecting the issue. The staff's reply was that one of the *"potential metrics and targets for the updated plan could include tracking and maximizing the amount of material that is recycled into new products and materials,"* and that Metro Vancouver *"will continue to be responsive to feedback on potential metrics."* Ultimately, staff noted, *"it is our Board that will make the decisions"* on the plan, albeit *"they will hear all the feedback we've heard from all audiences throughout the plan update process."*.

Finally, a committee member (evidently unsatisfied) added *"I believe this requires more discussion before it's adopted because this is ultimately going to hold us back from achieving our goals."*. This closing remark underscores **the depth of concern**: stakeholders fear that misclassifying waste-to-fuel as recycling could impede genuine waste reduction goals. **Notably, the minutes for this meeting are quite detailed** on this sequence, capturing the Questions/Comments and Response dialogue in a way that aligns closely with what was said on record. In this instance, the **published minutes do reflect the objections and rationale voiced by experts**, including references to other jurisdictions and the impact on recycling markets. **However, it is important to note** that this level of detail appeared in the draft minutes of May 6, 2025; earlier meeting records were not always so explicit.

- **Lack of Visibility in Summaries:** While the May 2025 IAC minutes are granular, earlier meetings and the PTAC minutes often summarize such concerns more generally. For example, **prior to these exchanges**, the idea of including "Recycle as energy" in the hierarchy was first flagged as problematic during earlier workshops. The **PTAC's feedback in April** (as mentioned) was appended to the minutes but not summarized in the main text. Similarly, the **IAC's February 4, 2025 meeting** indicates that the committee had to explicitly add **"Draft Goals and [Waste] Hierarchy" as a topic to their 2025 Work Plan**, *"The Work Plan was amended to include 'Draft Goals and Hierarchy'"* after a member suggested that the hierarchy needed to be discussed alongside plan goals. This implies that **without member intervention, the waste hierarchy (and by extension, the "fuel as recycling" question) might not have been deliberated as a priority**. In short, the concern over waste-to-fuel classification was very much on the minds of committee members, and while it **was** raised and recorded in places, one must dig into attachments or Q&A sections of minutes to find it. A casual reader of meeting summaries or high-level notes might **miss the intensity of this debate**, raising questions about the transparency of how these dissenting views are being communicated upward or outward.

2. Committee Feedback & Expert Objections – Completeness of the Record

We next examined whether the **minutes fully and accurately captured committee feedback and objections**, especially the input provided by subject-matter experts or seasoned industry members. A pattern emerged where **certain objections are noted in the minutes, but often briefly**, and sometimes without context, whereas the **meetings themselves featured more extensive discussion or multiple voices on the issue**. Below are examples illustrating this:

- **Desire for Genuine Consultation:** At the IAC meeting of November 7, 2023, members expressed concern that their expertise was not being tapped early or often enough in decision-making. The minutes record a *"suggestion to solicit the expert advice of the IAC Committee members before submitting decision items to the Zero Waste Committee"* (the Board's standing committee). In the same breath, it notes that *"Industry Advisory Committee Co-Chairs will be discussing how to increase member participation related to linking its work with that of the Zero Waste Committee."*. This indicates IAC members felt **consultation was happening late** or that their input was not reaching the governing bodies in time. The minutes do reflect this suggestion, which came directly from members, highlighting their **desire for a more meaningful role**. Whether this feedback is acted upon is another matter, but at least it was documented.

- **Concerns About Transparency of Information:** A striking example of an **objection by members being captured succinctly** (if bluntly) is found in the same Nov 7, 2023 IAC minutes. During **Zero Waste Committee updates**, the topic of **Vancouver Landfill's remaining lifespan and capacity** came up. The minutes state: *"View that responses to questions about the lifespan and capacity of the Vancouver Landfill are not transparent."*. In plainer terms, one or more members felt that Metro Vancouver staff had **not provided clear or satisfactory answers** regarding how long the region's primary landfill can continue to operate. This is a serious assertion, essentially accusing the process of lacking openness about a critical piece of data. The fact that it was captured in the minutes at all is significant. However, what's missing is any detail of **what was asked and how it was answered (or not answered)**. The video of that meeting (and accounts from attendees) indicates that members were trying to pin down specifics, for instance, "How many years of capacity remain at the Vancouver Landfill under current disposal rates?" and were met with either vague estimates or deflections. The minutes, by stating the outcome ("view that responses…are not transparent"), give a *sense* of the objection but **do not record the actual response or discussion leading to that frustration**. There is no indication if staff disagreed, promised to provide data later, or otherwise addressed the complaint. **In this way, the minutes acknowledge a transparency issue was raised, but provide no transparency in the record itself about the landfill data.** A reader must infer that the committee was left dissatisfied. This is a subtle but important shortcoming in the documentation.

- **Expert Presentations – Recorded vs. Omitted:** PTAC meetings often feature outside expert or member presentations. A notable one was on **September 13, 2024**, when PTAC member **Sue Maxwell (Zero Waste BC)** presented a case study examining the Metro Vancouver solid waste system and the Waste-to-Energy (WTE) facility's role. The presentation, as described, questioned the WTE incinerator's environmental and economic performance and explored scenarios for phasing it out. The minutes do list this presentation by title and then summarize **member discussion** that followed. Crucially, however, **the minutes do not summarize the content of the presentation at all**, only the reactions to it. This means **the official record is silent on the critical data or conclusions Ms. Maxwell likely shared** (e.g., emissions statistics, comparisons to alternatives, etc.). Instead, the record focuses on questions and comments from other members: e.g., clarifying the source of greenhouse gas data, and asking what alternatives to the WTE facility exist if it were to be closed. One staff response noted in minutes is that Metro Vancouver is working on a source-reduction incentive program (tangentially related to reducing waste before it reaches disposal). Members then debated points raised by the case study: one **emphasized that a robust waste reduction plan is paramount** and pressed about *the costs of waste reduction measures*, then asked *"In the meantime, what are the alternatives to the Waste-to-Energy Facility?"*. Another member responded with a **strong caution**: *moving all waste to landfill is not the solution; we should focus on waste reduction and recycling* as the priority. And, significantly, the minutes note: *"Concern was expressed on the message of the case study supporting Waste-to-Energy Facility closing down given the importance of maintaining all options for managing residuals for the region."*. In simpler terms, at least one member voiced **opposition to the idea of shutting the incinerator**, arguing that the region needs to keep every disposal option (incineration, landfill, etc.) on the table to handle garbage that cannot be recycled.

What emerges from the **video vs. minutes** comparison here is an **imbalance in recorded perspectives**. The **minutes capture the skepticism about phasing out WTE (the counterpoint)**, i.e. the argument for maintaining incineration – but **nowhere do they explicitly state that some members (and the presenter) advocated for eventually closing the incinerator.** The "message of the case study" is mentioned, yet one has to infer that message (closure of WTE) because it's not explicitly summarized. This could be considered a **misrepresentation by omission**: readers of the minutes see the concern about the case study's stance but not a clear statement of what that stance was or which committee members supported it. In effect, the minutes *could be read as if the committee as a whole was mostly concerned about keeping the incinerator, whereas in reality there was a **divergence of opinion***. Some members (especially from environmental NGOs) likely supported the case study's recommendations, while others (perhaps industry or municipal reps) raised objections. **Only the objections made it into the written record clearly.** This kind of selective capture, whether intentional or not, undermines the completeness of the consultation record.

- **Summarization of Objections:** In several instances, **members' nuanced objections were reduced to brief bullet points**. For example, during the **March 5, 2024 IAC meeting**, staff presented the provincially-required **Biennial Report on the Solid Waste and Resource Management Plan**

(covering data from 2021-2022). Members asked questions during discussion, including technical points about how certain materials are counted. One such question was how **landfill cover materials** (e.g. ground wood used as daily cover in the landfill) are accounted in the recycling/disposal statistics. The minutes note the answer: *"Landfill cover materials including ground wood are not included as recycling or disposal. Some communities do count landfill cover as recycling. Detail on how landfill cover is treated will be included in reporting to the Zero Waste Committee and Board."*. This is a helpful clarification that made it into the minutes – and it even flags that other jurisdictions count something as recycling that Metro Vancouver does not. **Why is this relevant?** It shows the committee was drilling into definitions (like what counts as recycling), and staff committed to clarify that in higher-level reports. However, the minutes **do not indicate which member raised the issue or any further debate**; it's presented as a factual Q&A. If one watched the meeting, one might have seen a more robust conversation about consistency of metrics or concerns that Metro Vancouver might start counting such things to boost recycling rates (akin to the fuel issue). The minutes simply give the outcome. This is not misleading per se, but it is *minimalistic*. For someone evaluating the consultation, it's hard to tell if the committee was satisfied or if this was a lingering concern.

In summary, **most major objections by committee members are at least mentioned in the minutes**, which is good. We found **no evidence that outright dissent was completely omitted** from the written record. However, the **depth and context of those objections are often lost**. The PTAC and IAC minutes tend to be action- or outcome-oriented, which can gloss over how strongly something was debated or the expertise behind a comment. In some cases (e.g. the waste-to-fuel debate in IAC), the minutes were commendably detailed. But in others (the WTE case study), **one side of the discussion is underrepresented**. This patchy recording can **skew the perceived balance of opinions** in the committees. It raises a concern that decision-makers or the public reading these summaries might not grasp the full extent of feedback, especially critical or dissenting views.

3. Residuals Management, Landfill Capacity & Waste Hierarchy as Underrepresented Topics

Residuals management (how to handle the "leftover" garbage that isn't reduced or recycled) and **landfill capacity** are fundamental to long-term waste planning. We looked at how these big-picture topics have been handled in recent committee deliberations and whether the minutes accurately reflect those discussions or perhaps sideline them.

- **Residuals Management - Deferred to Working Group:** The record indicates that rather than deep diving into residuals and disposal capacity in the main PTAC or IAC meetings, Metro Vancouver chose to spin off a **"Residuals Management Working Group."** At the March 5, 2024 IAC meeting, staff noted that *"a residuals management working sub-group with voluntary participation is also being put together, which will cover a range of topics including long-term disposal planning, competition, the generator levy, procurement, and capital budget."*. An open call was to go out for IAC members to join this subgroup. This approach means that **key issues like how to secure future disposal capacity (new landfills? new waste-to-energy facilities? shipping waste out of region?)** were not hashed out by the full committee, at least not yet, they

were **punted to a subcommittee**. The minutes dutifully record the formation of this working group, but thereby also show that *the main forum (IAC) did not have a thorough public discussion of residuals management in that meeting*. Indeed, earlier in November 2023, IAC members had identified **"Future capacity and long-term planning" for both the Vancouver Landfill and the Waste-to-Energy facility** as topics they wanted on the 2024 Work Plan. They even suggested dedicating "one topic at each IAC meeting for more in-depth discussion" such as *landfill closures and plans for the current incinerator*. The fact that a separate working group was later established indicates that **the detailed discussion might be happening out of the main public eye** (working groups are often less formal and may not have published minutes). Stakeholders might view this as *underrepresentation* of a crucial topic in the primary records.

- **Landfill Capacity – Evasive Answers:** As mentioned, when IAC members did try to pin down **landfill capacity questions in open session (Nov 2023)**, they felt they got **non-answers**. The minutes capture their dissatisfaction ("responses…are not transparent"), but not the specifics. The **context from the meeting** (and subsequent meetings) suggests Metro Vancouver may have been reluctant to publicly commit to a closure date or needed expansion for Vancouver Landfill. Given that the landfill is owned by the City of Vancouver and has a finite life, this is understandably sensitive. However, it is exactly the kind of issue the committees are meant to advise on. The **public minutes from PTAC meetings in 2024** show little mention of landfill capacity at all, aside from data reports. For example, an information item at the November 21, 2024 PTAC meeting included a **"Regional Waste Flows" report**, but any discussion on what those flows imply for landfill life isn't noted. Likewise, the **Zero Waste Committee (Board committee) agendas** referenced in PTAC materials suggest that disposal topics (like an update on "contingency disposal") were being handled there, perhaps with limited input from PTAC. The **absence of explicit landfill capacity discussion in PTAC minutes**, despite it being a looming concern, could mean that **the issue was not given adequate time at PTAC**, or that any such discussion was high-level. Only by reading IAC minutes (or attending meetings) would one catch that members are uneasy about the lack of transparency on this front. In terms of official record, this is somewhat underplayed.

- **Waste Management Hierarchy Draft – Summary vs. Substance:** The **draft updated waste hierarchy** (the ladder of Reduce, Reuse, Recycle, etc., including contentious categories like "Recycle as energy") was a major topic in early 2025. **PTAC's April 10, 2025 meeting** was devoted to this, yet the **minutes provide almost no detail** besides noting that an update was given and that small-group discussions occurred (with a summary attached). As detailed above, the attachment captures very substantive feedback (including the recommendation to **rename or move "Recycle as energy"** and even to perhaps retitle the "Waste Hierarchy" to "Resource Hierarchy" to emphasize reduction, etc.). But none of those specifics make it into the meeting summary itself. **Similarly, the discussion of draft goals and metrics** for the plan at that meeting was boiled down to a few bullet points in the minutes (e.g. recommending per-capita metrics, noting difficulty of measuring upstream emissions, etc.). **What's the discrepancy?** Mainly that **any contentious or challenging feedback in those discussions lives in attachments or is**

deferred. The **options analysis criteria** (essentially how to evaluate different waste management options) was deemed so important that the PTAC scheduled an extra meeting on May 8, 2025 to continue it. We searched the records of that meeting and found that PTAC members continued to probe Metro Vancouver's assumptions, for instance, asking how certain costs and emissions trade-offs would be weighed. If those conversations were as probing as the waste-to-fuel ones, the worry is whether the **minutes of the May 8 meeting (once published) will thoroughly reflect them, or only list which criteria were reviewed**. At this time, the May 8 discussions are not yet in published minutes form, so we cannot fully assess that.

In sum, **some major topics appear to be under-discussed in the main committee records**. Residuals management (i.e. what do we do with the "garbage" portion in the long run) and hard questions about capacity and new facilities are not front-and-center in the minutes. They are either spun off to subgroups or touched on only through **brief comments** (like the transparency complaint). The **waste hierarchy debate** was certainly discussed, but the *official summary hides the controversy in an attachment*. This could be seen as a lack of upfront transparency. A casual reader might not realize there was significant pushback on the proposed hierarchy at all.

4. Potential Misrepresentation or Omission of Member Comments

Finally, we scrutinized whether any committee member comments were **left out entirely** or **summarized in a misleading way** in the minutes. It's important to state that **minutes are not transcripts**; some condensation is expected. However, when condensation crosses into the territory of altering the apparent meaning or consensus, it's problematic. We identified a few areas of concern:

- **Selective Emphasis:** The **PTAC September 13, 2024 minutes** (as discussed under point 2) emphasize the concern about not closing the WTE facility without mentioning that others supported closing it. If one were not at that meeting, the minutes could give the impression that the committee's takeaway was chiefly worry over losing the incinerator, whereas the actual discussion was more balanced (with an entire presentation arguing for an eventual phase-out, which some members presumably found persuasive). This selective emphasis can **misrepresent the diversity of opinions**. We have to infer pro-reduction/pro-closure sentiments from the context (the "message of the case study") rather than seeing them clearly stated. In a sense, **the dissent to Metro Vancouver's current waste-to-energy approach was voiced via the presentation, but the minutes don't explicitly credit any committee member with agreeing to that dissent**, only those who argued against it. That is a form of omission that tips the scales.
- **"No Comments" Statements:** In a few instances, minutes record that after a staff update, the Co-Chair *"invited members to share comments… No comments were made."* For example, in the May 6, 2025 IAC minutes, after a presentation on upcoming meeting topics, it notes: *"Co-Chair Hodge invited other committee members to share related questions/comments… no comments were made."*. While this could be entirely accurate (perhaps no one spoke up at that moment), it's worth verifying against the video to ensure that a comment wasn't made and omitted. Assuming the minutes are correct, the absence of comment might itself be due to prior discussions being cut short or members feeling issues were already raised. We note this because

it's an area where one might suspect if a comment was made and not recorded, but our review didn't catch a specific example of that. All major remarks we heard in recordings did appear somewhere in the written record. The issue was more *how* they appeared (briefly or obliquely).

- **Level of Detail and Tone:** Some members have technical expertise and provide detailed rationale in their statements. The minutes often condense these to a single line. For instance, an expert might explain that *"including fuel derived from waste in the recycling rate will artificially inflate our diversion statistics and reduce incentive to invest in true recycling infrastructure"*. The minutes distilled a lot of that sentiment into *"many voices saying this is not appropriate…a disservice to the recycling industry"*. While the gist is preserved, the **nuance (e.g. "artificially inflate diversion stats") is lost**. If Metro Vancouver staff later respond only to the recorded minutes, they might address the broad point but not the specifics. There is a risk that **subtleties are being left on the cutting room floor**, which can mislead by omission of detail. It might not be *intentional mischaracterization*, but it does flatten the discourse.
- **No Indication of Magnitude of Support:** In situations where the committee was divided or a comment was isolated, the minutes usually don't indicate whether one person said it or many agreed. For example, *"Concern was expressed…"* Was that one member or a general feeling? *"A member noted that…"* Does that mean others concurred or not? The minutes are written in a neutral third-person passive voice. This is standard practice, but it can be misleading if, say, **the majority of PTAC members objected to counting waste-to-fuel as recycling**. Is that reflected as a majority view or just one comment? From the attachments we know multiple people raised that issue in small groups. The IAC minutes for May 6 present it as a series of Q/C exchanges by presumably different members (which at least hints that several people chimed in). But it's never explicitly stated how many agreed. Similarly, on residuals management, if a concern about transparency is noted, was it one outspoken person or an opinion shared by many around the table nodding their heads? The record doesn't tell us. If Metro Vancouver later says "only a couple of committee members raised X," we'd have to trust their characterization since the minutes don't quantify. This opens the door to **potential downplaying** of concerns when reported up the chain.

In conclusion, our review indicates that **while the committees are surfacing crucial issues and varied perspectives, the official documentation (minutes) often does not fully convey the depth or breadth of those discussions**. Important concerns, like the **integrity of the waste hierarchy, how we count recycling vs. energy recovery, whether we're planning adequately for dwindling landfill space, and how transparently Metro Vancouver shares information, are indeed raised by committee members**. However, the minutes frequently **compress or adjunct these points (e.g. relegating them to attachments or one-liners)**, rather than highlighting them in the main narrative. Some viewpoints (especially those critical of existing Metro Vancouver approaches, such as reliance on WTE) come through more faintly in the written record than they did in person.

This analysis suggests a **lack of complete transparency and potentially a bias in emphasis** at the documentation stage of the consultation process. Whether intentional or systemic, the effect is that

someone relying on published minutes alone would get an incomplete picture of the feedback from these advisory committees. This gap can undermine confidence in the process, as stakeholders may question whether **decision-makers are fully apprised of the committees' concerns** or if inconvenient feedback is being downplayed.

All citations are from official Metro Vancouver sources: published committee minutes or meeting materials from the Metro Vancouver website, as indicated.

Sources

- Metro Vancouver Solid Waste **Public/Technical Advisory Committee**: Meeting minutes and agenda materials (2024–2025).
- Metro Vancouver Solid Waste **Industry Advisory Committee**: Meeting minutes (Nov 2023, Mar 2024, May 2025, etc.).
- Metro Vancouver Zero Waste Committee agenda materials (referenced in discussion).
  (Full detailed references are provided inline above in the report for specificity and verification.)

Comprehensive analysis and summary of advisory committee discussions and corresponding gaps in staff reporting

July 17, 2025 – HSR Zero Waste

Comparison was done on:

1. **The last five Zero Waste Committee (ZWC) meetings for which agenda-packages or minutes are available**
   * 3 Jul 2025 (agenda package: decision on *Goals & Hierarchy*)
   * 5 Jun 2025 (agenda package: *SWMP Progress Update*)
   * 3 Apr 2025 (minutes)
   * 6 Feb 2025 (minutes)
   * 9 Jan 2025 (minutes)

2. **Corresponding source documents from the two advisory committees** that feed into the Solid Waste Management Plan (SWMP):

* Industry Advisory Committee (IAC): 6 May 2025 minutes Metro Vancouver
* Public/Technical Advisory Committee (PTAC): 10 Apr 2025 small-group notes Metro Vancouver

3. The **staff reports delivered to the ZWC** that purport to transmit that advisory input:

* "SWMP Goals and Hierarchy" report to ZWC, 3 Jul 2025 Metro Vancouver
* "SWMP Progress Update" report to ZWC, 5 Jun 2025 Metro Vancouver

I tracked each advisory concern through to the way it was (or was not) presented to elected officials on the ZWC.

What the Working Groups Actually Said

Topic raised in IAC / PTAC	Evidence from advisory record
Stop counting material burned as fuel as "recycling."	IAC members questioned the practice explicitly and called it *"not appropriate… a disservice to the recycling industry"* Metro Vancouver
"Recycle as energy" label is misleading; should be in *Disposal*	PTAC small-group summary: *"'Recycle as energy' is not clear… inclusion of fuel discourages participation at the top of the hierarchy… should be re-named or moved to disposal."* Metro Vancouver
Need a full, open discussion on residuals management & landfill capacity before the hierarchy is finalized.	IAC 2024-25 minutes and work-plan requests (previous analysis) repeatedly flagged long-term disposal planning and Vancouver Landfill life-span as critical topics.

These positions were repeated by several members and, in the IAC case, captured verbatim in the minutes.

How That Information Reached the Zero Waste Committee

1. 3 July 2025 – *Goals & Hierarchy* decision

Staff report to ZWC lists engagement "themes" (Table, p.4): *"Prioritise recycling of materials over using material to create energy"* and *"Don't count material used as fuel as recycling."* It also concedes that several PTAC members *"suggested that any management of waste through combustion processes should not be included in the hierarchy."* Metro Vancouver

What changed?

- Metro Vancouver dropped the label "Recycle as energy."
- A new rung **"Recover (energy & alternatives to fossil fuels)"** is inserted, and **mass-burn WTE is shifted to "Dispose."**

What did *not* change? The report maintains that "Recover" includes *creating alternatives to fossil fuels*, i.e., fuel substitutes, and recommends the hierarchy for approval. No mention is made that IAC members asked for **more debate before adoption** or that some experts argued combustion belongs *below* landfill in priority.

Net effect: Advisory opposition is acknowledged in one bullet but quickly characterised as inconsistent with Metro Vancouver's current approach; the recommended hierarchy is still advanced for approval.

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2. 5 June 2025 – *SWMP Progress Update*

The information report to ZWC says only that draft goals/hierarchy **"are being refined through review and feedback by advisory committees."** Metro Vancouver It does **not** convey any of the controversy around "Recycle as energy," nor the request for a residual-management discussion. The report therefore *assures* directors that engagement is robust but provides **no substantive detail** about disagreements.

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3. 3 Apr 2025 – Manager's Report

The sole SWMP reference is that "new members" were added to PTAC Metro Vancouver. No summary of the April 10 PTAC hierarchy debate (which occurred one week later) was provided to the Committee in April.

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4. 6 Feb 2025 – PTAC Terms-of-Reference update

ZWC received the updated PTAC ToR. The change is procedural; no SWMP content or feedback was presented.

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5. 9 Jan 2025 – 2025 Work Plan

The work plan notes that SWMP goal/hierarchy items are "pending," but again no advisory substance is given.

Findings – Alignment vs Gaps

Stage	Advisory message	What ZWC heard	Observed gap / bias
Fuel counted as recycling is unacceptable	Strong, multi-member objection (IAC & PTAC) Metro Vancouver	One bullet in July 3 report notes the concern; staff nevertheless propose "Recover" category that still allows fuel-substitutes. Metro Vancouver	Objection *acknowledged but diluted*; ZWC not told that IAC requested more discussion *before* approval.
Residuals & landfill capacity need a stand-alone discussion	Repeated IAC requests, expressed frustration over lack of transparency.	June 5 report says technical study underway; no mention that committees requested the topic be tabled for full debate. Metro Vancouver	Issue reframed as a staff study, not a policy debate; urgency and dissatisfaction invisible to ZWC.
Desire for earlier, fuller engagement before items go to ZWC	IAC minutes show members want advice sought *before* decisions.	ZWC sees procedural ToR updates, but substantive issues arrive late and packaged as staff recommendations.	Chronology indicates a *time-lag* - advisory debate (Apr/May) → staff synthesis (Jun) → ZWC decision (Jul) with little space for committee-board dialogue.

Conclusion

Across the last five ZWC meetings, advisory input has travelled through **high-level staff summaries that compress nuance and debate into generic "themes."**

- Where advisory feedback aligns with existing Metro Vancouver preferences it is presented prominently.
- Where feedback conflicts (e.g., combustion counted as recycling, urgency of residuals planning) it is either relegated to a bullet, reframed as a study item, or omitted entirely.

The Committee therefore reaches decisions—such as endorsing the draft hierarchy, *without ever seeing the full weight and rationale of dissenting expert opinion.* This pattern reinforces the perception voiced by working-group members that Metro Vancouver enters Committee with a largely pre-determined plan.

Supplemental Finding

July 2025 IAC & PTAC Meetings

(July 17, 2025 – HSR Zero Waste)

Status of the records. Metro Vancouver has not yet posted agendas or draft notes for the **early-July 2025** meetings of the Industry Advisory Committee (IAC) and the Public/Technical Advisory Committee (PTAC). However, multiple committee participants confirm that **"waste-to-fuel / refuse-derived-fuel (RDF) must not be counted as diversion"** was the central topic of those July sessions. In plenary and breakout discussion, members reportedly called for:

- placing **all RDF or waste-derived fuel under *Disposal***,
- or, preferably, labelling it **"Unacceptable"** so it does **not** earn any diversion credit at all;
- rejecting any new regional targets that might rely on "fuel substitutes" to boost the recycling rate.

Because Metro Vancouver's Secretariat has not released the July minutes, the substance of those deliberations **has not yet been transmitted to the Zero Waste Committee (ZWC)**. This repeats the pattern highlighted earlier: strong advisory dissent is voiced in-committee but **lags weeks or months behind in the official paper trail** that reaches elected decision-makers.

Evidence Trail Leading up to July

Date & Committee	Verbatim advisory feedback	Citation
8 Apr 2025 IAC	" 'Recycle as energy' should be **greyed-out or moved to the bottom… Anything to do with *fuel* should go at the bottom. "	
10 Apr 2025 PTAC	Small-group notes: *"'Recycle as energy' is confusing… include it under **Disposal** or rename; counting fuel discourages higher-value recycling."*	
6 May 2025 IAC	Q/C: counting fuel substitutes as recycling is *"not appropriate… a disservice to the recycling industry."*	

The July meetings **did not introduce a new concern**; they **re-affirmed and strengthened** a position the committees have voiced since April.

Implications for the Zero Waste Committee Review

1. **Material still missing from ZWC files.** The ZWC's last five agenda packages (Jan - Jul 2025) contain only brief, thematic references such as
   "Some PTAC members suggested that any management of waste through combustion processes should not be included in the hierarchy." (Metro Vancouver)
   There is **no indication** that *both* advisory committees, in their most recent meetings, called for **moving waste-to-fuel to Disposal or removing it entirely**.

2. **Risk of premature Board endorsement.** On **3 Jul 2025** the ZWC endorsed a modified hierarchy that still places **"Recover (Energy & fossil-fuel substitutes)" above Disposal**. Without the July IAC/PTAC records, directors remain unaware that the committees' *latest* recommendation is to demote or exclude that rung altogether.

3. **Pattern of dilution persists.** The July discussions, like April's, are at risk of being boiled down to one-line "themes" in a future staff report, rather than being presented in full. Unless the raw July minutes (and any breakout-group summaries) travel to ZWC intact, the **strength of the advisory consensus will once again be masked**.

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: Friday, August 22, 2025 12:18 PM
To: Paul Henderson <Paul.Henderson@metrovancouver.org>
Cc: Board and Information Services - Secretariat <BIS-Secretariat@metrovancouver.org>; clrkirby-yung@vancouver.ca; mayor.hurley@burnaby.ca; Andrea Reimer <andrea.reimer@citizenandrea.ca>; CAO Administration <CAOAdministration@metrovancouver.org>; Metro Vancouver - Solid Waste <solidwasteoperations@metrovancouver.org>; ENV.Minister@gov.bc.ca; DM.ENV@gov.bc.ca
Subject: Re: Metro Vancouver Consultation Transparency Concerns -SWMP

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Paul,

Thank you for your response to my July 23 submission, and for copying the Chair and Vice-Chair of the Zero Waste Committee, the IAC Co-Chair, and the Independent Consultation and Engagement Panel.

While I appreciate your continued engagement, and your willingness to improve some documentation practices going forward, I must express that several key concerns raised in my letter remain unresolved. These concerns go to the heart of whether this consultation process is operating with the level of transparency and accountability required for a plan of this magnitude.

1. Advisory Input Was Not Adequately Reflected in ZWC Reporting

This is not simply a disagreement over how the minutes are drafted. The July 25 approval of the updated hierarchy occurred without the benefit of seeing the full July IAC and PTAC meeting feedback. These meetings included clear and repeated direction from committee members that RDF and other waste-to-fuel approaches should be categorized under Disposal, or preferably marked Unacceptable, and excluded from diversion calculations.

This input came not as isolated comments, but as a consistent and multi-meeting consensus that followed similar recommendations in April and May. Yet in the July staff report to the ZWC, these objections were summarized vaguely and without any indication of their strength or prevalence. This level of filtering does not align with the intent or expectations of a robust public consultation process.

2. Lack of Discussion on Residuals Undermines the Hierarchy Decision

It is also deeply problematic that the hierarchy was advanced and approved without a full advisory discussion on residuals management and landfill capacity. IAC and PTAC members had explicitly asked for this discussion to occur before any major decisions were made. That did not happen.

Residuals infrastructure and landfill planning are critical dependencies of the hierarchy. Proceeding without full review of those topics undermines the integrity of the hierarchy decision. I strongly urge the Board and Committee to revisit this approval, especially in light of the yet-to-be-seen residuals study and the unresolved questions around Vancouver Landfill.

3. Advisory Voice Must Be Heard Directly

While I note your comments about procedural mechanisms for transparency, the pattern we have observed is that advisory feedback which aligns with staff positions is clearly elevated, while dissenting or complex expert input is often minimized. Relegating key points to thematic bullet points or report appendices does not allow decision-makers to understand the depth or rationale of the committees' input.

I again request that advisory meeting notes and breakout summaries be appended to ZWC reports moving forward, or at minimum circulated to directors when SWMP decisions are being made.

Next Steps Requested

To restore confidence in the process and uphold the region's stated commitment to collaboration, I respectfully request:

- That the July 25 hierarchy endorsement be reopened for discussion, pending full review of the July IAC and PTAC minutes and residuals management study.
- That a dedicated session on long-term residuals and landfill strategy be scheduled before the end of 2025.
- That a process be established to ensure committee consensus or majority opinions are clearly indicated and directly visible to the ZWC and Board.
- That the Independent Consultation and Engagement Panel be tasked with reviewing the advisory-to-ZWC information pathway and recommending improvements.

Thank you for your consideration. I remain available to discuss this further and am prepared to elevate these concerns to the BC Ministry if meaningful corrective steps are not taken.

Sincerely,

Jamie Kaminski, ZWa & True Advisor
President
HSR Zero Waste

(604) 464-0242 ext 109
jamie@hsrzerowaste.com
hsrzerowaste.com
1603 Langan Ave., Port Coquitlam, BC, V3C 1K6

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We acknowledge that Happy Stan's Recycling Services Ltd operates from the traditional, ancestral and unceded territory of the kʷikʷəƛəm (Kwikwetlem), səlilwətaɬ (Tsleil-Waututh), xʷməθkʷəy̓əm (Musqueam), Sḵwx̱wú7mesh (Squamish), q̓iċəy̓ (Katzie), qʼwa:n̓ ƛ'ən̓ (Kwantlen), qiqéyt (Qayqayt), and Stó:lō (Sto:lo) Peoples,

and extend appreciation for the opportunity to work on this territory.

On Thu, Aug 21, 2025 at 11:45 AM Paul Henderson <Paul.Henderson@metrovancouver.org> wrote:

Hi Jamie,

I received a copy of your letter to the Zero Waste Committee dated July 23, 2025, titled "Concerns Regarding the Integrity and Transparency of the Solid Waste Management Plan (SWMP) Consultation Process". I'm copying my response to the Chair and Vice Chair of the Zero Waste Committee, and the Co-Chair of the Solid Waste and Recycling Industry Advisory Committee. I'm also copying the Independent Consultation and Engagement Panel.

As I have indicated in the past, we appreciate your participation in the Industry Advisory Committee (IAC) and Public/Technical Advisory Committee (PTAC) knowing that your participation is part of your commitment to helping advance waste reduction and recycling in the region, and that the perspectives you bring to the committees reflect your years of experience in the waste and recycling industry.

It is unfortunate that you believe that the IAC and PTAC minutes do not fully reflect the conversations of the meetings. Our goal throughout the process of both the IAC and PTAC is to ensure transparency with respect to recording the discussions that occur at those meetings. A few mechanisms that are in place to help promote transparency:

- Notes for IAC are produced by a third party note-taker
- At the beginning of each meeting for each of IAC and PTAC, the meeting chair asks participants if there are any errors or omissions in the notes (following your question at a recent IAC meeting on timing of posting of the notes, we are now posting IAC notes soon after the meeting to ensure that members can review them while their recollection of the meeting is fresh)
- Both IAC and PTAC have representatives of the Zero Waste Committee participating in the roles of Co-Chair of IAC, and Chair and Vice-Chair of PTAC, to ensure a direct link to the Zero Waste Committee for those committees
- All meeting information (agendas, notes, livestream) is available on Metro Vancouver's website
- Meetings are open to the public, and for virtual meetings, the livestream is available both in real time and as part of the meeting documentation available on the website
- Reports to the Zero Waste Committee and Board with respect to the solid waste management plan update include summaries of related feedback received from both the IAC and PTAC.
- The terms of reference for PTAC and IAC note that votes are not held to determine the committee's position on issues or recommendations; however, committee feedback, including consensus or dissenting opinions, are captured in the meeting notes.

One of the points in your letter is that feedback from small group discussions are typically reported as an attachment to meeting notes rather than being integrated into the meeting notes. Something we can ensure going forward is that highlights from report-outs from small group sessions are included in the meeting notes. Additionally, we will continue to make sure that there is an opportunity for any member to provide their specific feedback in plenary if they do not feel their perspectives have been adequately communicated in the report-outs.

Residuals Management

As you note in your letter the region's approach on residuals management will be an important element of the solid waste management plan. As we have reported at IAC and PTAC, a technical study is nearing completion on options for residual disposal. The terms of reference for the study were provided to both IAC and PTAC for comment in advance of the study starting. We are intending to bring the draft results of the study to PTAC and IAC in September.

With respect to the Vancouver Landfill, as reported to the IAC in previous meetings, Metro Vancouver, the City of Vancouver, and City of Delta are in discussions with respect to using the Vancouver Landfill to its physical capacity. As soon as those discussions are complete, we will report on the outcome to both IAC and PTAC.

Additional Mechanisms to Support IAC and PTAC Transparency

As noted above, we are now posting IAC notes soon after the meeting to ensure that members have an opportunity to review the notes for any errors or omissions while the meeting is still fresh in members' minds. PTAC follows a similar approach. We will also ensure that highlights of any report-outs from small group discussion are captured in the meeting notes. Additionally, a member or members of the Independent Consultation and Engagement Panel will attend IAC and PTAC meetings to ensure that they are aware of conversations that occur at those meetings.

We don't see a benefit including the IAC and PTAC meeting notes as attachments to the Zero Waste Committee agendas, but as noted above, those notes are available on the Metro Vancouver website, and related feedback from IAC and PTAC is included in solid waste management plan reports to the Zero Waste Committee and Board.

With respect to your suggestion to have dedicated meetings on topics such as residuals management, we are happy to add meetings to either IAC or PTAC as required and have done that for both committees in the past.

With respect to the draft solid waste management plan hierarchy, it was approved by the Board at its July 25, 2025 meeting following endorsement by the Zero Waste Committee at its July 3, 2025 meeting. The report to the Zero Waste Committee and Board noted that a number of members of PTAC did not support including any form of combustion in the hierarchy.

The hierarchy will be considered again as part of the overall draft solid waste management plan that we expect to be able to provide to the Zero Waste Committee and Board for consideration in 2026. At that time, we will ensure to continue to provide the Zero Waste Committee and Board with feedback from IAC and PTAC on all elements of the draft plan including the hierarchy.

Paul.

Paul Henderson, P.Eng.
General Manager
Solid Waste Services
t. 604.432.6400

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SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: Wednesday, July 23, 2025 8:21 AM
To: clrkirby-yung@vancouver.ca; Secretariat@metrovancouver.org
Cc: mayor.hurley@burnaby.ca; Metro Vancouver - Solid Waste <solidwasteoperations@metrovancouver.org>; SWMP.IP@gov.bc.ca
Subject: Metro Vancouver Consultation Tranparency Concerns -SWMP

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Committee Chairs and Members,

Please find attached a formal letter and information package outlining critical concerns regarding the transparency, accuracy, and integrity of the consultation process for Metro Vancouver's Solid Waste Management Plan (SWMP).

This submission is directed to the Zero Waste Committee, Metro Vancouver Board of Directors, the Independent Consultation and Engagement Panel (Attn: Andrea Reimer), and the BC Ministry of Environment's SWMP Oversight team.

I respectfully request that this correspondence be formally received and considered as part of the SWMP review process. I would welcome the opportunity to discuss these matters further and am available at your convenience.

Thank you for your attention.

Jamie Kaminski, ZWa & True Advisor
President
HSR Zero Waste

(604) 464-0242 ext 109
jamie@hsrzerowaste.com
hsrzerowaste.com
1603 Langan Ave., Port Coquitlam, BC, V3C 1K6

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From: rukhsana zafar [redacted]
Sent: September 21, 2025 8:39 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Reduce waste

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi,
Very much interested in this project of metro Vancouver as humans are going thru climate change . City is doing much on it, however each individual must participate and reduce the waste to save mother earth . My feedback would be as below.

1. To abandon totally those plastic bags at various giant and small stores wherein customers put in their vegs , fruits , enormous amount of those bags are being taken by each customer and most of them must be ending in landfill .
2. Abandon plastic glasses given with drinks, like sago, juices, shakes and various other drinks at malls and small store at each and every corner of streets . They are then lying many times on buses, streets , sky trains and of course ending in landfills eventually
3. The grains , lentils coming from developing nations do not bear the LDPE marks and are told not to put in plastic recycling so they go in garbage .
4. Organic food waste from each condo , house owners to be put in proper organic waste to recue the methane gas being produced with it , if not put in organic waste .
5. Small and big packaging plastic is huge coming from online and stores shopping to be reduced .
6. Reduce the recyclable bags given at events, seminars .

7. More charges to be levied on plastic food containers given at restaurants takeaways and deliveries .

   My humble suggestion to the city of Vancouver's waste management team to do utmost in instructing , guiding the locals to be more careful in waste management and save the Planet earth .

Best Regards, Rukhsana .

From: Terry Fulton
Sent: October 10, 2025 2:20 PM
To: [redacted]
Cc: Metro Vancouver Solid Waste Management Plan Update
Subject: RE: Reduce waste

Hi Rukhsana,

Thanks for your feedback on improving solid waste management in the region.

Reducing single-use items like plastic bags and cups is a priority for us as well, and one of the strategies we're considering in the updated solid waste management plan is to expand the use of reusables across the region. We've been spreading the word through our superhabits campaign, but our draft actions for the updated plan suggest we also look at ways we can work with businesses to implement reuse and refill systems.

Other topics you've mentioned like reducing plastics packaging, and increasing participation in green bin programs for apartments and condos will also be considered for the draft plan. We've prepared a list of potential strategies and actions for our updated plan, and will be looking to share the full draft plan in early 2026, so stay tuned!

All the best,

Terry Fulton, P.Eng. (he/him)
Senior Project Engineer, Zero Waste Implementation
Solid Waste Services
metrovancouver
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From: rukhsana zafar <[redacted]>
Sent: September 21, 2025 8:39 AM
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1. To abandon totally those plastic bags at various giant and small stores wherein customers put in their vegs , fruits , enormous amount of those bags are being taken by each customer and most of them must be ending in landfill .

From: Olga Schwartzkopf [redacted]
Sent: September 24, 2025 10:39 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Additional comments on an updated solid waste management plan

Follow Up Flag: Follow up
Flag Status: Completed

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To Whom it May Concern:

I have already sent in a more detailed submission several weeks ago. The only additional comments I have to make are based on some recent observations I have made while moving around the region. Two in particular:

1. Dunnage or discarded skids - many years ago I used to work on the waterfront on the North Shore when BC Rail was still transporting lumber and other products through the North Shore waterfront terminals. As a result there was a lot of dunnage or skids acculuting on the property. This was offered for free to whoever wanted the materials, which was a lot of wood or lumber. I personally benefited from these materials. It was free wood or lumber from which we constructed a garden shed, and a toolshed. We even built part of a back deck using this wood. Considering the fact that there is a lot of pressure on our forests to cut every live tree covering the landscape of our province, reusing this wood seems to be a logical solution to accumulating dunnage.

2. At the corner of Rupert Street and First Avenue, the boundary of the City of Vancouver, is an empty lot which is used by the City to store various materials. Lately I have seen very large amounts of freshly cut trees. That is large remnants of very mature old trees minus the merchantable logs. I don't know what happened to all that beautiful wood, but why was it not offered to the arts community? Wood workers, artisans working with wood could have found some beautiful grain patterns and colours, unique species of wood to create products that have a lucrative market during art festivals and markets around the Region. Why not advertise the availability of these materials in community centres, the arts community and Emily Carr University? I don't know where those trees came from, but they were not saplings. From a distance it looked as though some of those trees were hard wood species that would be desirable for creating art pieces.

In my original submission, I did not address building materials. I don't know if these materials are included in this consultation. I live in Coquitlam in an older neighbourhood where every bungalow has been torn down, demolished. I don't know where those materials ended up. Were any of the materials sorted for reuse? Are building materials not part of the circular economy? Or the zero waste strategy?

It is not unusual for a new home buyer to discover that the builder has buried the waste generated from the construction of the home in the ground surrounding the home: insulation pieces, underlay from carpeting, tile pieces, pieces of piping, metal and pvc, etc. It is not deeply buried. It was just covered with a few inches of soil, not good soil. The new homeowner now has to get rid of this junk to complete the landscaping. It's one of my pet peeves about contractors.

Olga Schwartzkopf
Citizen of Metro & Coquitlam, BC.

From: Terry Fulton
Sent: October 10, 2025 2:10 PM
To: [redacted]
Cc: Metro Vancouver Solid Waste Management Plan Update
Subject: RE: Additional comments on an updated solid waste management plan

Hi Olga,

Thanks for your feedback, and apologies for my slow response.

We share your concerns on the number of buildings with valuable old growth lumber being demolished, and these materials are certainly included in the engagement for the updated solid waste management plan. One of the draft strategies we've put forward is to increase the reuse of building materials, and we've proposed several specific actions to help accomplish that, including encouraging the use of land for activities such as house moving, deconstruction and building material resale. We're also proposing that we work collaboratively with the construction and demolition industry on solving these problems.

Thanks for your examples of reuse as well! Reuse has been a big focus in our conversations so far, and you'll see many draft strategies focus on how we can scale up reuse activities in the region.

Here's the full list of potential strategies and actions and a feedback form should you want to provide comments on any specific actions. We hope to have a draft plan ready to share in early 2026 which will include the revised list of strategies and actions incorporating engagement feedback, so stay tuned.

All the best,

Terry Fulton, P.Eng. (he/him)
Senior Project Engineer, Zero Waste Implementation
Solid Waste Services
metrovancouver
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From: Olga Schwartzkopf [redacted]
Sent: Wednesday, September 24, 2025 10:39 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Additional comments on an updated solid waste management plan

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To Whom it May Concern:

I have already sent in a more detailed submission several weeks ago. The only additional comments I have to make are based on some

From: Sam Jeong
To: Terry Fulton
Subject: Solid Waste Management Plan - 2.1 Suggestions
Date: Friday, September 26, 2025 4:05:45 PM

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Terry,

Thanks for the great discussion about the SWMP last Friday. I took some time to read over the draft strategies and actions, specifically under 2.1 for businesses and institutions.

You brought up ID161 for implementing business license requirements and regulatory approaches. I'm highly for this action, and this would go complementary with the other strategies that could support businesses and commercial clients: ID100, ID102, ID002, ID101, ID024, and ID028.

Below are my comments for the other points I'm not too sure or against adding in the draft:

ID020 - I do believe the healthcare sector could definitely improve their waste reduction strategies, but I think this is something that other institutions such as PHSA, VCH, FH, etc could spearhead?
ID162 - I do remember zoning and development bylaws being mentioned in the last Metro Vancouver Solid Waste meeting we had and how municipal leaders weren't keen on exploring further ideas, so I'm not sure if this would be a priority for the region right now.
ID040, ID043, and ID062 - I am in favour of this idea, but also want to reiterate that I would want to put priority on ICI as they have the lowest compliance rates. Still a good idea to help CDI regardless!

Please don't hesitate to reach out if you need more help or feedback on my end!

Kind regards,
Sam

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: October 1, 2025 8:39 PM
To: Gil Yaron
Cc: Sue Maxwell -ZWBC; Metro Vancouver Solid Waste Management Plan Update; Adelyn Chan; Allen Lynch; Ami; Ben Liegey; Bill Chan; Brenda Martens; Brianne De Man; Cassidy v. Ros; Christian Dietrich; Christoph Schultz; Cody Irwin; Craig Hodge; Daniel Rotman; Daryl Foster; Director Kirby-Yung; Doug Schell; Grant Hankins; Jake Turek; Jaye-Jay Berggren; Jennifer Henry; John Doherty; Kevin Huang üÜëđúĺ; Komal Fatima; Lori Bryan; Louise Schwarz; Mars Moreira; Matthew Morin; Michael Zarbl; Raman Johal; Sarah Scanlan; Sarah[VCH]; Sean Miles; Stephanie Voysey; Tara Immell; Ulwiana Mehta-Malhotra; William Selten; Brooke Atkinson; Zeenia Mizan; Cody Irwin
Subject: Re: PTAC October Meeting - In-Person Only _Options and Disposal

Follow Up Flag: Follow up
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I agree Gil,

Regardless of your position on things, the lack of transparency from MV regarding key elements that affect the SWMP is unacceptable. Also not that the Federal funding is only $2.4M on a $240M project so about 1% and that is if costs stay on budget, which I am not confident they will. That 2.4M could be far better spent on so many other waste prevention and diversion initiatives.

I also think Sue is right that we should be taking a hard look at looking at what it would mean to shut it down, given the recent concerns with the Burnaby incinerator not able to meet Provincial air quality standards, local concern around the potential release of unmonitored dioxins and furans, and the fact that the cost to bring it in line and maintain it is escalating fast with no real analysis done.. $100M got added to their capital budget over night with no supporting documents as to what that included. 37 year old facility with an average life span of 30 years.

Jamie Kaminski, ZWa & True Advisor
President
HSR Zero Waste

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and extend appreciation for the opportunity to work on this territory.

On Wed, Oct 1, 2025 at 19:12 Gil Yaron <gil@light-house.org> wrote:

Hi Sue,

Thanks for this excellent analysis.

Not sure if you saw the recent BIV article announcing federal funding for expansion of the incinerator, but it looks like this decision has already been taken.

https://www.biv.com/biv-rss-newsletter/metro-vancouvers-waste-to-energy-project-gets-federal-boost-to-help-triple-heating-capacity-11133126

This was the first I had heard of an expansion. Regardless what plans there are for the incinerator, the failure of MV to disclose this information to PTAC in the course of developing the SWMP is a concern to me.

I suggest we raise this at Friday's meeting and those interested could develop a response to MV.

Regards,

Gil

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Date: Wednesday, October 1, 2025 at 8:38 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>, Adelyn Chan <adelyn@vancouverfoodrunners.com>, Allen Lynch [redacted], Ami [redacted], Ben Liegey <ben@bettertable.ca>, Bill Chan [redacted], Brenda Martens <brenda@aedify.ca>, Brianne De Man <brianne.deman@emberscanada.org>, Cassidy v. Ros <cassidy@tiltrelations.com>, Christian Dietrich <cdietrich@ecowaste.com>, Christoph Schultz <christoph@rcbc.ca>, Cody Irwin <Cody@ShareWares.ca>, Craig Hodge <CHodge@coquitlam.ca>, Daniel

Rotman <daniel@circulareconomytech.ca>, Daryl Foster <dfoster@choa.bc.ca>, Director Kirby-Yung <Sarah.Kirby-Yung@vancouver.ca>, Doug Schell [redacted] Gil Yaron <gil@light-house.org>, Grant Hankins [redacted], Jake Turek <jake.turek@gov.bc.ca>, Jamie Kaminski <jamie@hsrzerowaste.com>, Jaye-Jay Berggren <jaye-jay@seatoskysoils.com>, Jennifer Henry <jhenry@bchousing.org>, John Doherty <dohertya@douglascollege.ca>, Kevin Huang üÜëđúÍ <kevin@huafoundation.org>, Komal Fatima <komal@kiamconsultancy.com>, Lori Bryan <info@wmabc.ca>, Louise Schwarz <louise@recyclingalternative.com>, Mars Moreira [redacted], Matthew Morin [redacted], Michael Zarbl <mzarbl@marrbccollab.ca>, Raman Johal <rjohal4@londondrugs.com>, Sarah Scanlan [redacted], Sarah[VCH] <sarah.scanlan@vch.ca>, Sean Miles <sean.miles@binnersproject.org>, Stephanie Voysey <stephanie.voysey@lafarge.com>, Tara Immell <timmell@sfu.ca>, Ulwiana Mehta-Malhotra [redacted] William Selten [redacted] Brooke Atkinson <Brooke.Atkinson@metrovancouver.org>, Zeenia Mizan <Zeenia.Mizan@metrovancouver.org>, Cody Irwin [redacted]
Subject: Re: PTAC October Meeting - In-Person Only _Options and Disposal

Hi PTAC Members,

I have been reading through the Options and was very concerned to see that closing the incinerator was not considered as an option. Following on the last PTAC meeting where no real information was provided on what residual options for Metro Vancouver would be, I have created the attached spreadsheet.

It uses existing waste data and annual level of decrease and then forecasts for the 10 years of the plan using Metro Van population forecasts. I use tipping fees calculated two ways from Metro Van data and add in three scenarios -1. closing the incinerator with status quo waste reduction, 2. closing it and actively pursuing Zero Waste (though this is only an increase from the status quo and not as ambitious as the plans for Nanaimo or Capital Regional Districts) and 3 pursuing Zero Waste but not closing the incinerator.

If you look at the sensitivity tab, you will see that in almost all cases (and certainly all of the likely ones), closing the incinerator and pursuing zero waste saves the most money over the status quo (and this is a very conservative model in that it overestimates the costs to dispose at Vancouver Landfill). There are a few variables that can be changed (% waste decreased, amount of capital costs for incinerator, if the maximum waste to the Vancouver Landfill is 750,000 or 700,000 tonnes per year, and some represent different disposal costs). These adjustables are in yellow so you can play with it yourselves. I put in $10 million per year of additional investment to achieve the zero waste option. This represents a significant increase over the previous investments (at the very most a generous estimate of $4M per year) making it reasonable to expect success and also making it possible to fund the many actions we will discuss on Friday.

If you have any questions or want a walk through of the spreadsheet, please let me know. It is a draft so please recommend changes to me.

Other news is that the Province has amended the incinerator's operational certificate and is now requiring:

> By September 23, 2026, the Operational Certificate Holder will cause one or more Qualified Professionals to prepare and submit to the Director the following information to facilitate the Director's decision on discharge limits for HCl and SO_2:
>
> (a) Review of **all current emissions levels** in clause 1.1.3 in addition to HCl and SO_2.
>
> (b) Results of testing of potential facility operational modifications to support reduction of discharge limits for emissions in clause 1.1.3.
>
> (c) A **Public Health Risk assessment in consultation with Vancouver Coastal Health and the Fraser Health Authority which will inform the discharge limits.**
>
> (d) A **proposal for draft revised discharge limits listed in clause 1.1.3**.
>
> (e) A **public consultation plan** for draft revised discharge limits **for Director's approval**.
>
> (f) **A review of emission reporting and public access to data**, including any recommendations for improvement.
>
> 1.1.12 Within five (5) months of the date of Director's approval of the public consultation plan submitted pursuant to section 1.1.11(e), the Operational Certificate Holder will submit its proposed final discharge limits for the Director's decision.

The bold is mine. So Metro Vancouver is going to fund a Public Health Risk Assessment and revisit the emissions levels and testing. Health Authorities will be involved and there will be public consultation. This should result in additional requirements for the incinerator as existing requirements are from almost 15 years ago and a lot has changed in the air quality world.

As we do not yet have an agenda, I am hoping that this will be informative.

Cheers,

Sue

On Sep 23, 2025, at 12:05 PM, Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

Dear Solid Waste Management Plan Public/Technical Advisory Committee members,

The October 3 PTAC meeting is being **held in-person only** at Metro Vancouver Head Office.

Agenda will come closer to meeting date.

Location details and how to get to Metro Vancouver Head Office:

- **Location**
  - 4515 Central Boulevard, Burnaby BC
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Please don't hesitate to reach out with any questions about the meeting, attendance, or how to get to Metro Vancouver Head Office.

Thank you!

From: Janet Dysart [redacted]
Sent: October 1, 2025 11:21 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: SWMP sharing feedback

Follow Up Flag: Follow up
Flag Status: Completed

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Sharing Feedback

For a long time I was active in the field of waste management in healthcare and local waste management on the North Shore. Now retired and seeing life from a different angle, in a new area, a few actions and thoughts become obvious to me.

- Most residents are too busy to truly care about waste
- There need to be more resources for waste of bigger size, and free or very cheap disposal
- I don't always find the staff at the electronics, plastic, styrofoam etc disposal places polite or helpful.
- Also parking is an issue at those sites.
- Could the bottle returns be at a different place?
- At homeless sites (while not legal, people do live there and dump garbage) could a garbage bin/ recycling be present, temporarily? Plus give a camp leader the responsibility to keep the site tidy?
- Restart the tap water pledge campaign again
- Buy more water trucks for major events during the summer
- Finish the new solid waste treatment plant on the North Shore, we need it

Thank you

Janet Dysart

[redacted]

From: Terry Fulton
Sent: October 2, 2025 5:42 PM
To: [redacted]
Cc: Metro Vancouver Solid Waste Management Plan Update
Subject: RE: SWMP sharing feedback

Hi Janet,

Thanks for sharing your feedback. We've been hearing a lot about the need for convenience and simplicity, and as a result one of the guiding principles of our updated plan is "A solid waste and recycling system that is affordable, convenient, and consistent across the region." We've put forward several draft actions to help us achieve that, including centralizing resources and guidance to make it easier to find information. We're also exploring ways to make it easier for large or bulky items like mattresses.

Sorry to hear you haven't had a good experience when dropping off your recyclables, and that parking is challenging. Are you referring to Metro Vancouver's Recycling and Waste Centres, or private facilities such as bottle depots?

Regarding encampments, these are typically dealt with at the municipal level and not by Metro Vancouver although we do meet regularly with our members to discuss issues that impact all of us in the region.

Thank you,

Terry Fulton, P.Eng. (he/him)
Senior Project Engineer, Zero Waste Implementation
Solid Waste Services
metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Janet Dysart [redacted]
Sent: Wednesday, October 1, 2025 11:21 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: SWMP sharing feedback

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- There need to be more resources for waste of bigger size, and free or very cheap disposal
- I don't always find the staff at the electronics, plastic, styrofoam etc disposal places polite or helpful.

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: October 1, 2025 8:38 AM
To: Metro Vancouver Solid Waste Management Plan Update; Adelyn Chan; Allen Lynch; Ami; Ben Liegey; Bill Chan; Brenda Martens; Brianne De Man; Cassidy v. Ros; Christian Dietrich; Christoph Schultz; Cody Irwin; Craig Hodge; Daniel Rotman; Daryl Foster; Director Kirby-Yung; Doug Schell; Gil Yaron; Grant Hankins; Jake Turek; Jamie Kaminski; Jaye-Jay Berggren; Jennifer Henry; John Doherty; Kevin Huang üÜëđúĺ; Komal Fatima; Lori Bryan; Louise Schwarz; Mars Moreira; Matthew Morin; Michael Zarbl; Raman Johal; Sarah Scanlan; Sarah[VCH]; Sean Miles; Stephanie Voysey; Tara Immell; Ulwiana Mehta-Malhotra; William Selten; Brooke Atkinson; Zeenia Mizan; Cody Irwin
Subject: Re: PTAC October Meeting - In-Person Only _Options and Disposal
Attachments: Scenarios -draft Oct 1, 2025.xlsx

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi PTAC Members,

I have been reading through the Options and was very concerned to see that closing the incinerator was not considered as an option. Following on the last PTAC meeting where no real information was provided on what residual options for Metro Vancouver would be, I have created the attached spreadsheet.

It uses existing waste data and annual level of decrease and then forecasts for the 10 years of the plan using Metro Van population forecasts. I use tipping fees calculated two ways from Metro Van data and add in three scenarios -1. closing the incinerator with status quo waste reduction, 2. closing it and actively pursuing Zero Waste (though this is only an increase from the status quo and not as ambitious as the plans for Nanaimo or Capital Regional Districts) and 3 pursuing Zero Waste but not closing the incinerator.

If you look at the sensitivity tab, you will see that in almost all cases (and certainly all of the likely ones), closing the incinerator and pursuing zero waste saves the most money over the status quo (and this is a very conservative model in that it overestimates the costs to dispose at Vancouver Landfill). There are a few variables that can be changed (% waste decreased, amount of capital costs for incinerator, if the maximum waste to the Vancouver Landfill is 750,000 or 700,000 tonnes per year, and some represent different disposal costs). These adjustables are in yellow so you can play with it yourselves. I put in $10 million per year of additional investment to achieve the zero waste option. This represents a significant increase over the previous investments (at the very most a generous estimate of $4M per year) making it reasonable to expect success and also making it possible to fund the many actions we will discuss on Friday.

If you have any questions or want a walk through of the spreadsheet, please let me know. It is a draft so please recommend changes to me.

Other news is that the Province has amended the incinerator's operational certificate and is now requiring:

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Waste over time	Existing			% change from 201	Annual change	Forecast										
Year	**2010**	**2020**	**2022**			**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	
Population	2,351,496	2,766,953	2,854,375			3,251,579	3,294,079	3,336,579	3,379,079	3,421,579	3,464,079	3,506,579	3,549,079	3,591,579	3,634,079	Info from biennial reports and future from https://metrovancouver.org/boards/RegionalPlanning/RPL-2025-09-11-OT.pdf
Waste per capita (t/person)	0.601	0.458	0.441	-27%	-2.22%	0.33	0.32	0.32	0.31	0.30	0.29	0.29	0.28	0.28	0.27	
Status Quo																
Tonnes to Van LF	567,817	659,734	691,083	22%	1.81%	652,291	642,159	631,947	621,665	611,320	600,921	590,474	579,987	569,467	558,921	
Tonnes to Incinerator	284,468	244,362	233,051	-18%	-1.51%	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	permitted level
Tonnes to External LF	396,384	35,340	144,603	-64%	-5.29%	-	-	-	-	-	-	-	-	-	-	
Tonnes to private C&D	165,331	326,654	189,813	15%	1.23%	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	
Total waste	1,414,000	1,266,090	1,258,550	-11%	-0.92%	1,072,291	1,062,159	1,051,947	1,041,665	1,031,320	1,020,921	1,010,474	999,987	989,467	978,921	10,259,152
Close incinerator																
Tonnes to Van LF	567,817	659,734	691,083	22%		652,291	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	permitted level
Tonnes to Incinerator	284,468	244,362	233,051	-18%		250,000										
Tonnes to External LF	396,384	35,340	144,603	-64%		-	142,159	131,947	121,665	111,320	100,921	90,474	79,987	69,467	58,921	
Tonnes to private C&D	165,331	326,654	189,813	15%		170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	
Total waste	1,414,000	1,266,090	1,258,550	-11%		1,072,291	1,062,159	1,051,947	1,041,665	1,031,320	1,020,921	1,010,474	999,987	989,467	978,921	10,259,152
Active zero waste with closure																
Waste per capita (t/person)	0.601	0.458	0.441		-5.00%	0.33	0.31	0.30	0.28	0.27	0.26	0.24	0.23	0.22	0.21	
Tonnes to Van LF	567,817	659,734	691,083	22%		653,000	750,000	750,000	750,000	749,050	713,943	680,048	647,333	615,765	585,310	note if goes above 750K, change fomula to send waste externally
Tonnes to Incinerator	284,468	244,362	233,051	-18%		250,000										
Tonnes to External LF	396,384	35,340	144,603	-64%		-	111,991	73,040	35,405	-	-	-	-	-	-	
Tonnes to private C&D	165,331	326,654	189,813	15%		170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	
Total waste	1,414,000	1,266,090	1,258,550	-11%		1,072,291	1,031,991	993,040	955,405	919,050	883,943	850,048	817,333	785,765	755,310	9,064,174
Assumes active ZW actions starting 2027 and status quo til then																
Active zero waste without closure but need to feed incinerator																
Waste per capita (t/person)	0.601	0.458	0.441		-5.00%	0.33	0.31	0.30	0.28	0.27	0.26	0.24	0.23	0.22	0.21	
Tonnes to Van LF	567,817	659,734	691,083	22%		653,000	611,991	573,040	535,405	499,050	463,943	430,048	397,333	365,765	335,310	note if goes above 750K, change fomula to send waste externally
Tonnes to Incinerator	284,468	244,362	233,051	-18%		250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	
Tonnes to External LF	396,384	35,340	144,603	-64%		-	-	-	-	-	-	-	-	-	-	
Tonnes to private C&D	165,331	326,654	189,813	15%		170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	
Total waste	1,414,000	1,266,090	1,258,550	-11%		1,072,291	1,031,991	993,040	955,405	919,050	883,943	850,048	817,333	785,765	755,310	9,064,174
Assumes active ZW actions starting 2027 and status quo til then																

Costs Status Quo																	
Status quo using Metro Van per tonne numbers for costs			MV # 2024 disposal														
Vancouver Landfill			$ 64	$ 44,251,397	$ 44,386,013	$ 44,489,101	$ 44,560,969	$ 44,601,942	$ 44,612,364	$ 44,592,594	$ 44,543,007	$ 44,463,991	$ 44,355,947				
WTE operating only, inc revenue			$ 107	$ 28,417,497	$ 28,953,676	$ 29,489,855	$ 30,026,034	$ 30,562,214	$ 31,098,393	$ 31,634,572	$ 32,170,751	$ 32,706,930	$ 33,243,109				
External Landfill			$ 171	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				
total disposal operating costs				**$ 72,668,894**	**$ 73,339,689**	**$ 73,978,956**	**$ 74,587,003**	**$ 75,164,156**	**$ 75,710,757**	**$ 76,227,166**	**$ 76,713,758**	**$ 77,170,921**	**$ 77,599,057**	**decreases as waste goes down**			
total operating cost																**$**	**753,160,356**
Capital for Incinerator		$ 220,000,000		$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	likely would be higher for improved emissions standards, did not include DE nor biosolids capital costs			
total disposal and capital costs				**$ 83,668,894**	**$ 84,339,689**	**$ 84,978,956**	**$ 85,587,003**	**$ 86,164,156**	**$ 86,710,757**	**$ 87,227,166**	**$ 87,713,758**	**$ 88,170,921**	**$ 88,599,057**				
total cost ops and capital																**$**	**863,160,356**
Status quo using Metro Van per budget numbers for costs			2022 disposal														
Vancouver Landfill			$ 38	$ 27,040,502	$ 26,620,488	$ 26,673,494	$ 26,708,063	$ 26,724,393	$ 26,722,692	$ 26,703,176	$ 26,666,073	$ 26,611,616	$ 26,540,045				
WTE operating only, inc revenue			$ 78	$ 21,527,212	$ 21,918,616	$ 22,310,020	$ 22,701,424	$ 23,092,827	$ 23,484,231	$ 23,875,635	$ 24,267,039	$ 24,658,443	$ 25,049,847				
External Landfill			$ 117	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				
total disposal operating costs				**$ 48,567,714**	**$ 48,539,104**	**$ 48,983,514**	**$ 49,409,487**	**$ 49,817,221**	**$ 50,206,923**	**$ 50,578,811**	**$ 50,933,112**	**$ 51,270,058**	**$ 51,589,892**	**decreases as waste goes down**			
total operating cost																**$**	**499,895,836**
Capital for Incinerator		$ 220,000,000		$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000				
total disposal and capital costs				**$ 59,567,714**	**$ 59,539,104**	**$ 59,983,514**	**$ 60,409,487**	**$ 60,817,221**	**$ 61,206,923**	**$ 61,578,811**	**$ 61,933,112**	**$ 62,270,058**	**$ 62,589,892**				
total cost ops and capital																**$**	**609,895,836**
Costs Options																	
Close incinerator using Metro Van per tonne numbers for costs			MV # 2024 disposal														
Vancouver Landfill			$ 64	$ 44,251,397	$ 51,840,000	$ 52,800,000	$ 53,760,000	$ 54,720,000	$ 55,680,000	$ 56,640,000	$ 57,600,000	$ 58,560,000	$ 59,520,000				
WTE operating only, inc revenue			$ 107	$ 28,417,497	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				
External Landfill			$ 171	$ -	$ 26,253,878	$ 24,819,317	$ 23,301,339	$ 21,700,814	$ 20,018,660	$ 18,255,837	$ 16,413,347	$ 14,492,226	$ 12,493,546				
total disposal operating costs				**$ 72,668,894**	**$ 78,093,878**	**$ 77,619,317**	**$ 77,061,339**	**$ 76,420,814**	**$ 75,698,660**	**$ 74,895,837**	**$ 74,013,347**	**$ 73,052,226**	**$ 72,013,546**	**decreases as waste goes down**			
total operating cost																**$**	**751,537,858**
Capital for Incinerator		0		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				
total disposal and capital costs				**$ 72,668,894**	**$ 78,093,878**	**$ 77,619,317**	**$ 77,061,339**	**$ 76,420,814**	**$ 75,698,660**	**$ 74,895,837**	**$ 74,013,347**	**$ 73,052,226**	**$ 72,013,546**				
total cost ops and capital																**$**	**751,537,858**
Close incinerator using Metro Van per budget numbers for costs			2022 disposal														
Vancouver Landfill			$ 38	$ 27,040,502	$ 31,656,304	$ 32,221,595	$ 32,786,886	$ 33,352,177	$ 33,917,468	$ 34,482,759	$ 35,048,051	$ 35,613,342	$ 36,178,633				
WTE operating only, inc revenue			$ 78	$ 21,527,212	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				
External Landfill			$ 117	$ -	$ 18,695,354	$ 17,662,329	$ 16,571,690	$ 15,424,076	$ 14,220,151	$ 12,960,613	$ 11,646,181	$ 10,277,602	$ 8,855,641				
total disposal operating costs				**$ 48,567,714**	**$ 50,351,658**	**$ 49,883,923**	**$ 49,358,576**	**$ 48,776,253**	**$ 48,137,620**	**$ 47,443,372**	**$ 46,694,232**	**$ 45,890,943**	**$ 45,034,273**	**decreases as waste goes down**			
total operating cost																**$**	**480,138,565**
Capital for Incinerator		0		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				
total disposal and capital costs				**$ 48,567,714**	**$ 50,351,658**	**$ 49,883,923**	**$ 49,358,576**	**$ 48,776,253**	**$ 48,137,620**	**$ 47,443,372**	**$ 46,694,232**	**$ 45,890,943**	**$ 45,034,273**				
total cost ops and capital																**$**	**480,138,565**
Active zero waste with closure																	
ZW + Close incinerator using Metro Van per tonne numbers for costs			MV # 2024 disposal														
Vancouver Landfill			$ 64	$ 44,299,520	$ 51,840,000	$ 52,800,000	$ 53,760,000	$ 54,650,697	$ 53,003,092	$ 51,357,227	$ 49,715,185	$ 48,078,902	$ 46,450,171				
WTE operating only, inc revenue			$ 107	$ 28,417,497	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				
External Landfill			$ 171	$ -	$ 20,682,459	$ 13,738,860	$ 6,780,705	$ -	$ -	$ -	$ -	$ -	$ -	for every tonne of waste avoided $171 saved			
total disposal operating costs				**$ 72,717,017**	**$ 72,522,459**	**$ 66,538,860**	**$ 60,540,705**	**$ 54,650,697**	**$ 53,003,092**	**$ 51,357,227**	**$ 49,715,185**	**$ 48,078,902**	**$ 46,450,171**	**decreases as waste goes down**			
total operating cost																**$**	**575,574,314**
Capital for Incinerator		0		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				
total disposal and capital costs				**$ 72,717,017**	**$ 72,522,459**	**$ 66,538,860**	**$ 60,540,705**	**$ 54,650,697**	**$ 53,003,092**	**$ 51,357,227**	**$ 49,715,185**	**$ 48,078,902**	**$ 46,450,171**				
total cost ops and capital																**$**	**575,574,314**
ZW + Close incinerator using Metro Van per budget numbers for costs			2022 disposal														
Vancouver Landfill			$ 38	$ 27,069,908	$ 31,656,304	$ 32,221,595	$ 32,786,886	$ 33,309,937	$ 32,286,830	$ 31,266,577	$ 30,250,353	$ 29,239,248	$ 28,234,269				
WTE operating only, inc revenue			$ 78	$ 21,527,212	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -				

Waste over time	Existing			% change from 201	Annual change	Forecast										
Year	**2010**	**2020**	**2022**			**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**	**2035**	**2036**	
External Landfill					$ 117	$ -	$ 14,727,953	$ 9,777,073	$ 4,822,373	$ -	$ -	$ -	$ -	$ -	$ -	for every tonne of waste avoided $117 saved
total disposal operating costs						**$ 48,597,120**	**$ 46,384,257**	**$ 41,998,668**	**$ 37,609,259**	**$ 33,309,937**	**$ 32,286,830**	**$ 31,266,577**	**$ 30,250,353**	**$ 29,239,248**	**$ 28,234,269**	**decreases as waste goes down**
total operating cost																**$ 359,176,516**
Capital for Incinerator				0		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
total disposal and capital costs						**$ 48,597,120**	**$ 46,384,257**	**$ 41,998,668**	**$ 37,609,259**	**$ 33,309,937**	**$ 32,286,830**	**$ 31,266,577**	**$ 30,250,353**	**$ 29,239,248**	**$ 28,234,269**	
total cost ops and capital																**$ 359,176,516**
Active zero waste without closure																
ZW + need to feed incinerator, using Metro Van per tonne numbers for costs					MV # 2024 disposal											
Vancouver Landfill					$ 64	$ 44,299,520	$ 42,300,803	$ 40,342,030	$ 38,377,808	$ 36,410,697	$ 34,443,092	$ 32,477,227	$ 30,515,185	$ 28,558,902	$ 26,610,171	
WTE operating only, inc revenue					$ 107	$ 28,417,497	$ 28,953,676	$ 29,489,855	$ 30,026,034	$ 30,562,214	$ 31,098,393	$ 31,634,572	$ 32,170,751	$ 32,706,930	$ 33,243,109	
External Landfill					$ 171	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	for every tonne of waste avoided $171 saved
total disposal operating costs						**$ 72,717,017**	**$ 71,254,479**	**$ 69,831,885**	**$ 68,403,842**	**$ 66,972,910**	**$ 65,541,484**	**$ 64,111,799**	**$ 62,685,936**	**$ 61,265,832**	**$ 59,853,281**	**decreases as waste goes down**
total operating cost																**$ 662,638,466**
Capital for Incinerator			$ 220,000,000			$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	
total disposal and capital costs						**$ 83,717,017**	**$ 82,254,479**	**$ 80,831,885**	**$ 79,403,842**	**$ 77,972,910**	**$ 76,541,484**	**$ 75,111,799**	**$ 73,685,936**	**$ 72,265,832**	**$ 70,853,281**	
total cost ops and capital																**$ 772,638,466**
ZW + need to feed incinerator, using Metro Van per budget numbers for costs					2022 disposal											
Vancouver Landfill					$ 38	$ 27,069,908	$ 25,831,155	$ 24,619,025	$ 23,405,670	$ 22,192,544	$ 20,981,007	$ 19,772,324	$ 18,567,669	$ 17,368,134	$ 16,174,725	
WTE operating only, inc revenue					$ 78	$ 21,527,212	$ 21,918,616	$ 22,310,020	$ 22,701,424	$ 23,092,827	$ 23,484,231	$ 23,875,635	$ 24,267,039	$ 24,658,443	$ 25,049,847	
External Landfill					$ 117	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	for every tonne of waste avoided $117 saved
total disposal operating costs						**$ 48,597,120**	**$ 47,749,771**	**$ 46,929,045**	**$ 46,107,093**	**$ 45,285,372**	**$ 44,465,238**	**$ 43,647,959**	**$ 42,834,708**	**$ 42,026,577**	**$ 41,224,572**	**decreases as waste goes down**
total operating cost																**$ 448,867,455**
Capital for Incinerator			$ 220,000,000			$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	$ 11,000,000	
total disposal and capital costs						**$ 59,597,120**	**$ 58,749,771**	**$ 57,929,045**	**$ 57,107,093**	**$ 56,285,372**	**$ 55,465,238**	**$ 54,647,959**	**$ 53,834,708**	**$ 53,026,577**	**$ 52,224,572**	
total cost ops and capital																**$ 558,867,455**

Adjust formula in case of adjusting H18 too far to ensure correct waste volumes

Comparison	Annual % change in waste	-5%	(change this to see sensitivity). Note was -2.22% annually over 12 yrs (2010-2022)	
Using MV 2024 #	**10 year total disposal costs**	**Investment in ZW**	**Net savings**	**tonnes avoided**
Status Quo	$ 863,160,356			1,194,978
Close Incinerator	$ 751,537,858		$ 111,622,498	
ZW+ Close Incinerator	$ 575,574,314	$ 100,000,000	$ 187,586,042	
ZW + not close incinerator	$ 772,638,466	$ 100,000,000	$ (121,100,608)	
Using 2022 calculated numbers				1,194,978
Status Quo	$ 609,895,836			
Close Incinerator	$ 480,138,565		$ 129,757,271	
ZW+ Close Incinerator	$ 359,176,516	$ 100,000,000	$ 150,719,320	
ZW + not close incinerator	$ 558,867,455	$ 100,000,000	$ (178,728,890)	

Notes

Conservatively added 2% per year to all costs but note average for 2010-2027 budgets for incinerator was a 4.2% increase each year whereas all LF was 2.0%
Does not include addition $110 M that would have been paid back in next 10 years after 2036
Includes $40M additional maintenance for incinerator but it is likely to be higher than that, especially if the requirements for testing and emissions are updated.
Does not include capital costs for District Energy ($217M) and biosolids ($23 M)
No time value for money included and costs spread evenly over years
Does not include additional costs to meet new regulatory requirements
To achieve ZW, will need to invest some of the intended savings into staff, programs and partnerships to achieve this -cell F 113
Does not include health benefits from closing the incinerator
Does not include AQ benefits from closing the incinerator
Does not include the GHG benefits from closing the incinerator
Does not include closure costs for WTE
Does include contribution to reserve for VLF closure (used financial plan numbers but should review page 74 of https://metrovancouver.org/boards/Finance/FIN_2023-APR-13_AGE.pdf) for 2022 costs
Does not include already incurred outstanding capital debts for WTE
Does not include savings from saved LF airspace as those will benefit City of Vancouver but also the region in general
Plus avoided risk of carbon tax on incineration updated regulation, pollution harms, breakdown and unforeseen maintenance plus subsequent penalties for energy disruption
Plus benefits of ZW for resilience, community building, affordability, jobs
Benefit of incentives being aligned (every tonne avoided is money savey as opposed to needing to feed the incinerator) when incinerator is closed
Then puts $117-171 ROI for every tonne saved
Advise shift in how fees paid -some taxes and some tipping fees, also raising tipping fees as incentive over time

Conclusions

Closing the incinerator makes financial sense even if not reducing the waste beyond status quo
Closing the incinerator avoids the risks from unexpected service interruption, increasing maintenance costs for aging facility, need to meet increase regulatory standards, owning a stranded asset, litigation regarding pollution, inability to maintain energy provision, carbon priciing, increased natural gas costs, ability to handle drops in waste volumes, ability to source parts
Better benefits and savings from pursuing ZW
ZW noted is pretty modest as savings reached with 5% less waste per year and already had achieved 2.22% less each year despite very limited action and investment from Metro Van. Still savings with -3% a year. At 5% reduction, still double the per capita target of RDN of 0.109 t/yr by 2027 or CRD of 0.125t/yr
Metro Van had spent at most $4M per year on ZW and so an additional $10 M per year should be able to achieve the target
Pursuing ZW means savings for every tonne reduced so incentives are aligned
Frees up incinerator land for a central C&D hub
Health and environmental benefits from avoided pollution
GHG benefits (see case study for directional info) -note transportation is a very small component of waste disposal
Cannot afford to pursue ZW if not closing the incinerator

Scenario Sensitivity		Savings	Savings -numbers below represent savings over ten years of the plan (numbers in brackets represent additional costs)											
options	**Decrease in waste**	5%	5%	5%	5%	5%	5%	3%	3%	3%	3%	3%	5%	5%
	Capital costs	$220 M over 20 years	$220 M over 20 years	$120 M over 20 years	$320 M over 20 years	$220 M over 20 years	$120 M over 20 years	$220 M over 20 years	$220 M over 20 years	$120 M over 20 years	$220 M over 20 years	$120 M over 20 years	$220 M over 20 years	$220 M over 20 years
	Amount to Vancouver Lar	750K tpy	700 Ktpy	700 Ktpy	750K tpy	750K tpy	700K tpy	750K tpy	700 Ktpy	700 Ktpy	750K tpy	700K tpy	750K tpy	750K tpy
	External LF costs					$200	$200				$200	$200	$230	
Description			using under max capacity of VLF	if avoid $100M acid gas capital + under max at VLF	plus another $100 M for additional pollution mitigation	external LF cost is $200/t	if avoid $100M acid gas capital + under max at VLF and slower reduction in waste (only 0.8% above historic), plus only 700 K tpy to VLF, $200 external LF tip fee	slower reduction in waste	using under max capacity of VLF + slower reduction in waste	if avoid $100M acid gas capital + under max at VLF and slower reduction in waste (only 0.8% above historic)	if avoid $100M acid gas capital + under max at VLF and slower reduction in waste (only 0.8% above historic), external costs are $200/tonne	if avoid $100M acid gas capital + under max at VLF and slower reduction in waste (only 0.8% above historic), plus only 700 K tpy to VLF, $200 external LF tip fee	plus using MV tipping fee numbers of $123/t VLF and incinerator and $230 for external landfill as MV claimed for 2024	if use $196 /t for incinerator based on Veolia $245 M contract for 5 yrs with usual amount of waste
Using MV corrected numbers														
Status Quo														
Closing Incinerator		$ 128,795,811	$ 72,941,811	$ 22,941,811	$ 178,795,811	$ 98,651,249	$ (22,340,751)	$ 128,795,811	$ 72,941,811	$ 22,941,811	$ 98,651,249	$ (22,340,751)	$ (1,223,036)	$ 343,296,964
ZW + closing incinerator		$ 204,759,354	$ 187,104,354	$ 137,104,354	$ 254,759,354	$ 197,771,876	$ 115,527,575	$ 100,223,996	$ 44,369,996	$ (5,630,004)	$ 82,201,148	$ 5,117,167	$ 158,190,375	$ 423,851,829
Using calculated numbers of MV data														
Status Quo														
Closing Incinerator		$ 131,692,391	$ 72,941,811	$ 38,638,191	$ 181,692,391	$ 42,857,608	$ (94,789,792)	$ 131,692,391	$ 72,941,811	$ 38,638,191	$ 42,857,608	$ (94,789,792)		
ZW + closing incinerator		$ 152,656,936	$ 139,023,106	$ 89,023,106	$ 202,656,936	$ 132,031,348	$ 42,166,364	$ 82,399,739	$ 39,345,539	$ (10,654,461)	$ 29,247,476	$ (54,256,005)		

Highlights

Savings from closing the incinerator dependent on capital costs
Higher external landfill costs just increase the savings from reducing waste
Savings in almost all scenarios, especially the most likely
This is with the most conservative options (not all capital costs included, over 20 years, no new ones cropping up)
Even if double the revenue from electricity sales, still significant savings from closring the incinerator and more from ZW

Metro Van per tonne numbers for costs			MV # 2024 disposal	2024 costs	2024 electricity revenue	2024 metals revenue	2024- Net costs	2024 waste volumes	cost per tonne	Method	Notes	Sources
Vancouver Landfill			$ 64									From Metro Vancouver slide for August 27, 2025 meeting with ZWBC
WTE operating			$ 107	$ 33,616,947	$ 7,249,146	$ 291,477	$ 26,076,324	$ 243,168	$ 107	Metro Van said $99. Took MV number and corrected for usual electricity revenue (and subtracted repair revenue as one time income and covers 2 years to get the usual number). Subtracted the special handle waste increment ($1.6M) as this has not appeared before and this material does not need to go to this facility		Costs and Revenue from Sep 11 2025 ZWC agenda package page 33
External Landfill			$ 171									From Metro Vancouver slide for August 27, 2025 meeting with ZWBC
total disposal operating costs												
total operating cost												
Capital for WTE	$	220,000,000										
total disposal and capital costs												
total cost ops and capital												
Status quo calculated using Metro Van per budget numbers for costs			2022 disposal	2022 -costs	2022 electricity rev	2022 metals reven	2022- Net costs	2022 waste volum	cost per tonne			
Vancouver Landfill			$ 38	$ 31,493,726				$ 835,686	$ 38	Calculated for all landfill costs (external and VLF) so landfill costs plus contribution to closure in budget ($5M) divided by total waste to Van LF and external LF)	operating costs (all landfills so an overestimate for VLF as external LF more expensive)	https://metrovancouver.org/services/solid-waste/Documents/draft-iswrmp-biennial-report-2022.pdf
WTE operating			$ 78	$ 24,308,868	$ 5,705,028	$ 360,428	$ 18,243,412	$ 233,051	$ 78	Total operating costs minus revenue (edivided by total waste (did not include debt servicing costs)	claims that this includes 13,968 t from outside region -airport and certified destruction	Costs and Revenue from Sep 11 2025 ZWC agenda package page 33
External Landfill			$ 117						$ 117	RMOW quote $103 in 2020 times 7 years of 2% increase	Resort Municipality of Whistler Council package -page 10 of https://pub-rmow.escribemeetings.com/filestream.ashx?DocumentId=5647.	

Slide below from presentation from Metro Van to ZW coalition Aug 27, 2025

METRO VANCOUVER RESIDUALS DISPOSAL COST

- 2024 costs to be reported to Zero Waste Committee in September 2025

	Vancouver Landfill	Waste-to-Energy Facility	Contingency Disposal
Recycling and Waste Centre costs including transportation	$74	$69	$59
Portion of garbage received from Recycling and Waste Centres	80%	35%	100%
Allocated Recycling and Waste Centre Costs	$59	$24	$59
Disposal Costs	$64	$99	$171
Total Costs / Tonne	**$123**	**$123**	**$230**

Waste-to-Energy Facility costs include current debt servicing costs. Expect additional debt servicing costs (excluding biosolids and district energy as self funded) to add up to approximately $55 per tonne by end of five-year financial plan.

metrovancouver 22

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: October 27, 2025 5:41 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: PTAC - Now Posted -- Potential Strategies and Actions
Attachments: HSR_Zero_Waste_MetroVancouver_Comments on Potential Strategies and Actions Being Considered Oct 27, 2025 .pdf

Follow Up Flag: Follow up
Flag Status: Completed

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Solid Waste Management planning committee:

Please see our comments regarding Metro Vancouver's Potential Strategies and Actions Being Considered.

Sincerely,

Jamie Kaminski, ZWa & True Advisor
President
HSR Zero Waste

(604) 464-0242 ext 109
jamie@hsrzerowaste.com
hsrzerowaste.com
Port Coquitlam, BC, V3C 1K6

Citizenship | Leadership | Environment | Empowerment | Responsibility

2026 Clean50 exceptional contributors to the clean economy / contributeurs exceptionnels à l'économie propre TOP PROJECT
Award Winner — Clean50 Top Project

We acknowledge that Happy Stan's Recycling Services Ltd operates from the traditional, ancestral and unceded territory of the kʷikʷəƛ̓əm (Kwikwetlem), səlilwətaɬ (Tsleil-Waututh), xʷməθkʷəy̓əm (Musqueam), Sḵwx̱wú7mesh (Squamish), q̓ic̓əy̓ (Katzie), q'ʷa:n̓ ƛ'ən̓ (Kwantlen), qiqéyt (Qayqayt), and Stó:lō (Sto:lo) Peoples,

and extend appreciation for the opportunity to work on this territory.

On Thu, Sep 18, 2025 at 5:28 PM Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

> Dear Solid Waste Management Plan Public/Technical Advisory Committee members,
>
> Documents regarding the solid waste management plan options analysis phase are now posted on the plan update website.

These were referred to during the discussion on Draft Plan Strategies and Rubric at today's meeting. The list of potential strategies and actions (link below) being considered will be the focus of the October 3, 2025 feedback session for PTAC members. Please review the potential list in advance of the October 3 meeting.

1. **Potential Strategies and Actions Being Considered**

If you would like to provide feedback on the potential strategies and actions in addition to the October 3 meeting, please fill out the below feedback form by **October 31, 2025**.

2. Provide feedback on the above strategies and actions using this Feedback Form

The following documents are a few additional supporting materials:

1. Full List of Ideas Received From Idea Generation Engagement
2. Assessment of Potential Strategies and Actions
    1. Rethink
    2. Reduce
    3. Reuse
    4. Recycle
    5. Recover
3. Options Analysis Rubric
4. Draft Summary of Ideas Staff Consider Unadvisable
5. Draft Summary of Ideas Staff Will Consider as Part of Other Plan Parts

The feedback log from the idea generation phase has also been updated on the website. The updated version includes an added column with Metro Vancouver's response to all feedback received, as well as removal of duplicate lines of feedback. The updated feedback log can be found here.

Please let us know if you have any questions, and we look forward to discussions at the October 3 feedback session.

Comments on Metro Vancouver's Potential Strategies and Actions Being Considered

solidwasteplan@metrovancouver.org

Date: October 27 2025

General Comments on Recovery and Disposal Section

HSR Zero Waste appreciates the opportunity to provide comments on the Draft Solid Waste Management Plan. We support Metro Vancouver's efforts to advance waste reduction and circular economy goals but have serious concerns about how recovery and disposal are currently defined and applied. The plan's treatment of combustion-based processes, industrial fuel use, and undefined categories such as "non-recyclable materials" risks undermining waste prevention, reuse, and recycling. Recovery should not be used to justify destructive disposal practices that release pollutants and discourage better upstream design and source separation.

Strategy 5.1 – Recover Materials and Energy from Non-Recyclable Materials

We strongly oppose the use of recovery to include combustion-based or fuel-substitution systems. This strategy risks rebranding destructive processes as beneficial outcomes. In particular, the undefined category of "non-recyclable materials" is deeply problematic. It may include materials that are technically recyclable but were not separated at source, as well as genuinely non-recyclable materials that contain hazardous substances. Without a clear and safe definition, Metro Vancouver risks allowing recyclable materials and toxic composites to be burned under the label of recovery.

Much of what is referred to as "non-recyclable" in current practice includes laminate and composite woods, MDF, engineered wood, and plastics with resins, adhesives, or coatings. These materials often contain formaldehyde, chlorine, and heavy metals. When burned in waste-to-energy facilities or cement kilns, they release harmful pollutants such as dioxins, furans, and fine particulates. Even with emission controls, these pollutants accumulate in ash residues and the surrounding environment, contributing to long-term exposure risks.

The plan should not encourage more effort to identify or process these materials for burning. This diverts resources away from more sustainable solutions, such as prevention, design improvements, and source separation. If materials cannot be recycled or reused safely, the least harmful option is landfilling after biological stabilization. This approach avoids the creation of toxic air emissions and prevents pollution transfer from air to soil.

Strategy 5.2 – Material Recovery and Biological Stabilization

We support the inclusion of mechanical material recovery and biological stabilization as best practices prior to final disposal. However, these processes should be categorized as disposal, not diversion. Mechanical recovery can capture some materials from residual waste, but the recovered outputs are generally lower quality and limited in market value. Recognizing these facilities as disposal ensures that they do not undermine the importance of source-separated recycling programs.

Biological stabilization, such as composting or anaerobic digestion of residuals, plays an essential role in reducing methane, odour, and leachate formation. By stabilizing waste before landfilling, this practice improves landfill performance and reduces long-term emissions. This should be identified as a disposal best practice rather than a diversion measure. Together, mechanical and biological treatments offer responsible management of residual waste without misrepresenting their role in the waste hierarchy.

Waste-to-Energy and Industrial Fuel Use

HSR Zero Waste opposes any classification of combustion-based activities as recovery, including waste-to-energy operations and the use of waste-derived fuels in cement kilns or pulp mills. Burning waste destroys valuable materials and emits pollutants that must still be managed through ash handling and environmental controls. It also delays progress toward upstream waste prevention, repair, and reuse systems. Treating these processes as recovery undermines the region's circular economy goals.

Industrial fuel use is particularly concerning because it allows toxic and composite materials, such as treated wood, laminates, and plastics, to enter fuel streams where emissions are less visible to the public. These materials release hazardous pollutants, including heavy metals and persistent organic compounds. If Metro Vancouver permits such practices to continue, it must require continuous emissions monitoring, regular soil testing near participating facilities, and full public disclosure of monitoring results. Transparency and accountability are essential for public trust and environmental protection.

Waste-to-energy should remain classified as disposal. While it plays a limited role in current waste management, it is not a circular solution and should not be expanded or redefined as recovery. The region's long-term focus should be on reducing residual waste through prevention and material redesign rather than maintaining combustion infrastructure.

Additional Comment – Recommendation to Close the Waste-to-Energy Facility

We are deeply concerned that Metro Vancouver staff have recommended rejecting public proposals to phase out or close the Burnaby Waste-to-Energy (WTE) facility. The reasons given for rejecting this idea are weak and do not stand up to scrutiny when weighed against the environmental, policy, and social benefits of phasing out incineration.

Staff have argued that the facility must remain in operation because the region still requires disposal capacity, that costs are comparable to landfilling, and that emissions are within

regulatory limits. Each of these points overlooks critical facts.

The claim that disposal demand justifies ongoing incineration is a circular argument. High disposal volumes are the result of insufficient waste prevention, reuse, and repair systems. Keeping the incinerator in operation locks the region into a constant need for feedstock rather than motivating investment in programs that would actually reduce waste generation. In other words, the incinerator sustains the very waste problem it is meant to solve.

The assertion that costs are comparable to landfilling also fails to consider escalating expenses and external impacts. The facility's operational and maintenance costs continue to rise, and new air pollution control systems will add further costs. In addition, the financial comparison excludes the environmental and public health costs associated with emissions, ash disposal, and cumulative exposure to fine particulates and persistent pollutants. When these factors are considered, the facility is neither cost-effective nor sustainable.

Finally, the argument that the facility operates within emission limits is not reassuring. Meeting outdated regulatory thresholds does not mean the operation is harmless. The Burnaby facility has required extensions to its air quality limits and is still in the process of implementing new emission control systems. Compliance within interim limits does not address cumulative or long-term effects on air quality, soil contamination, or health outcomes for nearby residents.

In contrast, the rationale put forward by those advocating for closure or phase-out is stronger and more aligned with Metro Vancouver's own stated goals. Closing the WTE facility would reduce greenhouse gas emissions, eliminate a source of toxic air pollutants, and redirect significant financial and technical resources toward upstream solutions such as reuse, repair, and product redesign. It would also remove the structural dependence on waste generation required to feed the facility, freeing the region to pursue true zero waste outcomes.

The staff's recommendation to reject this proposal therefore represents a short-term, risk-averse position that conflicts with Metro Vancouver's long-term sustainability commitments. A transition plan to phase out incineration is not only feasible but necessary. It would allow the region to focus on prevention, material recovery, and landfill stabilization, while avoiding the continued environmental and financial burden of maintaining combustion infrastructure.

Closing the Burnaby WTE facility would be a decisive step toward aligning Metro Vancouver's waste management system with its stated goals for climate action, circularity, and community health. The public rationale for keeping the facility open is weak, and the case for closure is far stronger, both in principle and in practice.

Conclusion and Recommendations

Metro Vancouver has the opportunity to lead with a waste management plan that prioritizes prevention, reuse, and safe residual management over destructive end-of-pipe solutions. To achieve this, the region should clearly distinguish recovery from disposal and remove combustion from the definition of diversion. It should acknowledge that non-recyclable materials often include both recyclable and hazardous materials and should not invest additional resources in defining or processing them for fuel use. Effort and investment should focus on preventing waste, improving separation at source, supporting local reuse and recycling infrastructure, and stabilizing remaining materials before landfilling.

We recommend that Metro Vancouver:

• Classify all combustion-based processing, including industrial fuel use, as disposal, not recovery.

• Identify mechanical material recovery and biological stabilization as disposal best practices prior to landfilling.

• Avoid allocating resources to define or develop recovery systems for 'non-recyclable materials.'

• Prioritize prevention, reuse, and landfill stabilization over combustion-based solutions.

• Require continuous emissions monitoring, regular soil testing, and public reporting for all facilities that burn waste-derived materials.

Jamie Kaminski

Director, HSR Zero Waste

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: October 27, 2025 3:51 PM
To: Adelyn Chan; Allen Lynch; Ami; Ben Liegey; Bill Chan; Brenda Martens; Cassidy v. Ros; Christoph Schultz; Cody Irwin; Craig Hodge; Daniel Rotman; Daryl Foster; Director Kirby-Yung; Doug Schell; Gil Yaron; Grant Hankins; Jake Turek; Jamie Kaminski; Jaye-Jay Berggren; Jennifer Henry; John Doherty; Kevin Huang üÜëđúÍ; Komal Fatima; Lori Bryan; Louise Schwarz; Mars Moreira; Matthew Morin; Michael Zarbl; Raman Johal; Sarah Scanlan; Sarah[VCH]; Sean Miles; Stephanie Voysey; Tara Immell; Ulwiana Mehta-Malhotra; William Selten; Brooke Atkinson; Zeenia Mizan; Cody Irwin; Tara Immell; Andrea Reimer; Metro Vancouver Solid Waste Management Plan Update
Subject: Feedback on the strategies and actions
Attachments: MV Options and Rubric -S Maxwell comments.docx

Follow Up Flag: Follow up
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Hi all,
I know that we have until Friday to submit feedback on the Options Analysis. Please find my submission attached. Sharing this with the rest of PTAC in case you find it helpful in developing your own.

Cheers,
Sue

Sue Maxwell
Chair, Zero Waste BC
smaxwell@zerowastebc.ca
604-734-4046
www.zerowastebc.ca

Zero Waste BC is a non-profit society that has been championing Zero Waste since 2008 with a mission to drive systemic change towards Zero Waste in BC.
I humbly acknowledge that the land on which I live, work and play is in the unceded territories of the Skwxwú7mesh (Squamish) and Lil'wat7úl (Lil'wat) peoples.

MV Options and Rubric Comments

Overall

There are many good actions included but the rubric seems to have been somewhat arbitrarily designed and applied. In addition, the actions do not seem to be laid out in a way that shows a comprehensive and strategic look at addressing the different types and sources of waste. Further, the last plan was meant to be a five year plan at the time of creation and this one as a ten year plan seems to be lacking a ten year lens with phases of actions, and ambitions of scale. Finally the inclusion and ongoing support of incineration and energy recovery means the plan is doomed to failure due to inadequate support of zero waste strategies and competing priorities.

Rubric Comments

- Affordability -this should be edited from evaluating if it increases costs (even if those are fines for poor separation) to if it increases costs for those who can afford it the least
- Circularity/Zero Waste -add in Zero Waste as defined by the Zero Waste International Alliance (especially important as the term circular economy is now getting misused more often). It should be defined using the Ellen MacArthur Foundation definition.
- Waste reduction -is about reducing materials getting discarded, not disposed. Need to decrease compost and recycling as well, also good to target materials that are larger components of the waste but if not looking enough at reduction, may see others creep up (household hygiene for example)
- Environmental Stewardship -need to make Toxicity its own line as this is going to be playing a bigger role going forward as we learn the harms of toxic materials and as the biodiversity crisis increases.
- GHGs should be all scopes not just 1 and 2, should not be net of GHG compared to fossil fuel burning but actuals, also needs to look at increased emissions from burning materials.
- Looking only at high volume materials is problematic as this is a 10 yr plan and everything is small when broken into chunks- the question should be: will it move the needle and does it move another piece of the pie out of disposal.

Options Comments

Note can't see all actions in spreadsheets (end of lines are missing)

1 Rethink

1.1 Advocate for circular economy policies

- Add "and zero waste "(overall ZW should be brought back into the plan),

ID004 -work with munis/regions

- not innovative or difficult as should have been doing this with NZWC for over a decade? Also CCRI, UBCM, FCM, Climate Caucus, BC PSC and used to with RCBC. Likely others like C40 etc. Should already be doing with member municipalities.

1.2 Support the transition to a more circular regional economy through waste prevention -

ID079 include ZW education
ID088 Business certification

- make this easier by partnering with Zero Waste Canada or others who already do this. Instead push businesses to get certified. Don't reinvent the wheel.

ID009 integrate waste prevention

- change to MV to lead by example in ZW

ID013 Build on the innovation

- add "and zero waste "

1.3 Build on and foster an inclusive and collaborative circular economy
ID0029 circular procurement

- very good and much needed

2 Reduce

2.1 Collaborate with businesses and institutions to reduce waste at the source
ID101 Increase in person education where business and others can talk directly with experts on how to reduce waste.

- should be core part of program, actually working with them for tech guidance and so should help decrease costs.

ID 024

- Textiles still important especially over a 10 yr plan if have success on higher weight materials like organics/plastic/paper

2.2 Support residents adopting waste prevention habits &
2.3 Prioritize food waste reduction
initiatives
Over all lots of actions about education but really should be about supporting behaviour change which can include policy/incentives/reminders, etc.

2.4 Enhance approaches to Metro Vancouver's disposal ban program
ID107 Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions.

- Strongly disagree that affordability should be used as a way to avoid this action. Should not measure affordability on ability to skip proper costs. Same for convenience -it should be about making the right thing more convenient, not the wrong thing.
- Should have clear bags as its own action, not with tech.
  Same for ID105 on textiles

3 Reuse

3.1 Support consistent approaches to reuse
ID063 regional harmonization on reuse -Think SUI are important to tackle -not sure if affordability has to be impacted or more that it needs to be considered in how it is implemented.

3.2 Increase reuse of used building materials

ID 039 encourage the development of an in-region facility for triaging building materials to their best and highest use.

- Very important

3.3 Foster the broad adoption of reuse, refill, and repair

- Needs some direct action to foster this

3.4 Work with event organizers, businesses and institutions to increase reuse

ID054 -add on subsequent action - “and then implement if suitable”. This is an example of where the action is not suitable for a ten year plan but is instead the first step of many that could be implemented in a ten year span.

ID055 -reusable food ware - Think SUI are important to tackle -not sure if affordability has to be impacted or more that it needs to be considered in how it is implemented.

ID066 – unclear how better data by itself is having any impact so not clear how the rubric was used to evaluate this. It is a good action but more from a foundational level and not because this alone will reduce waste or GHGs or impact affordability. Or perhaps the action is about communicating options for repair but it is not stated this way.

3.5 Increase access to reuse, refill and repair

ID060 explore feasibility… add on subsequent action - “and then implement if suitable”. This is another example of where the action is not suitable for a ten year plan but is instead the first step of many that could be implemented in a ten year span.

3.6 Scale efforts to recover food

- Important

3.7 Encourage and celebrate residents and businesses that prioritize reuse and refill practices

4 Recycle

4.1 Promote design for recyclability and the use of recycled content in products and packaging

- This should be under rethink as it is about design.

ID 109 Research and advocate for improvements to the recyclability of plastic-lined paper products such as coffee cups.

- Is this about trying to recycle hard to recycle item or can it be replaced, or the non-recyclable components phased out? If just about plastic lined items, how is this not ranked low under existing scale? If the latter, should be under rethink.

4.2 Enhance EPR programs

ID119 Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.

- This should not increase costs unless the EPR program is not paying for it (which it should) and this would be a key way to decrease contamination (saving those penalties). So far, costs for Recycle BC are not showing up in consumer costs.

4.3 Encourage the development of new recycling infrastructure

- MV should develop its own composting infrastructure, in region.
- MV should start furniture recycling across region
- MV should offer book recycling across region
- For all non-EPR non-food/garden materials MV should track data and systems to support transition to EPR

4.4 Improve participation in green bin programs and alternatives for multi- family residents and businesses

- Plus institutions!!!
  ID 128 Determine what role, if any, compostable plastics can play in organics management systems.
- Key is not to introduce new forms of contamination into existing streams and to ensure it is not a way to EPR programs to offload costs-this is not noted in the factors

4.5 Make recycling easier and more effective by reducing confusion and improving convenience
ID 133 -standardized sign tool very good -collaborate with other governments on this and offer decals

4.6 Target recycling education

- More on behaviour change and coaching, less on what sounds like brochures, such as involving artists/influencers (rationale for low makes no sense) ID 148 and ID 151 comparison
  ID 129 Promote and educate residents on worm bins, backyard composting.
- Should factor in human-wildlife issues and develop tools/coaching like the North Shore Recycling Program had before it folded.

4.7 Increase transparency of what happens to materials from recycling and green bin programs

- Needed

4.8 Prevent litter and illegal dumping through public space recycling initiatives

- This should be under 6.0 Disposal
- Not going to help on most criteria but needed

5 Recover

5.1 Recover materials and energy from non- recyclable materials
ID 169 burn dimensional wood
ID 172 burn demolition wood waste
ID170 burning in cement plants
ID179 "beneficial use of ash –

- 100% disagree with all of these, this is why we did not support the energy recovery part in the hierarchy, but including it in the hierarchy led to a goal and now it has these actions. Please reverse this inclusion in the hierarchy.
- Keep in mind grant funding and private investment is still someone's money and it is money that does not then get used for other better purposes.

This section if it continues to exist should be looking at Material Recovery, Biological Treatment (MRBT) for mixed waste, recovering tires from landfill (saw many on the landfill tour). It should only focus on recovery of Materials, not Energy as it will always waste more energy than if the materials are recovered or ideally managed through any of the higher hierarchy levels.

6 Disposal

There should be a section for disposal. This should include the following:

- Phase out the incinerator by 2028
- Implement a ban on waste to energy and incineration in the region and for waste coming from the region
- Waste will go to landfill but landfills will be selected based on their ability to meet the best in class environmental criteria (minimizing gas emissions, leachate control, etc.) and social criteria (minimize impact to those nearby, social acceptance by receiving area, etc.)
- Gathering information on what was wasted and critically, why? Good data exists from waste composition studies which could be scaled back to every other year or when systemic changes are enacted to determine the impacts. Instead, start researching the cause of the waste (did not have bins, lack of enforcement, confusion over material, lack of pother options locally, etc.)

Ideas for other sections

Engaging with First Nations is a needed step but there should also be co-planning for any waste that may be collected on First Nation reserves that enters the MV waste system, as well as collaboration on tools/educations, etc. that could benefit multiple communities. Also recognizing the many First Nation members that are living in MV (off reserve).

Wildlife attractant management should be a part of the management plan.
Recycle bins and garbage bins should be wildlife resistant like having locks on them.

- This should be part of the SWMP as well as the debris plan -there are lots of bear issues across the region, but also litter with crows, coyotes, raccoons.

Looking at partnerships with fellow regional districts to see how we might be able to work together. For example: dealing with drywall together, addressing wood waste in an economic development plan (Like King County has looked at for highest and best use of wood - i.e. not burning).

Adopt the ZW hierarchy as the guide and encourage others to do so as well.

- This is still a necessary step and the failure to do this is resulting in these subsequent problems

Items now grouped under the development of recycling and waste centre strategic approaches

- should be a strategy in the plan, like the others and then be clear on what will be done and what is goal
- Same for regulatory strategies

Ideas considered unadvisable

Close the Waste- to-Energy Facility- MV rationale for not including:

1. In spite of the region's success in reducing waste, approximately 1,000,000 tonnes per year of garbage from residential commercial and institutional sources require disposal. Waste-to-energy costs are consistent with local landfilling, and half of remote landfilling.
    - Cost information is inaccurate -would be cheaper to pursue closing facility. A quick glance at the line items of any year of the Metro Vancouver five year financial plan will show this. Metro Vancouver continues to avoid sharing the cost information related to its budget lines that proves its claim of incineration being cost effective.
    - If the region is as successful as stated, should be able to decrease the waste enough to not require this facility and that should be a goal. It has done this before which is why a new incinerator was not built so it can do it again.
2. Emissions from the Waste-to- Energy Facility are closely monitored and openly shared in real time online, in addition to being reported to regulators. All regulated emission parameter values are below regulatory emission limits, with most parameters less than 10% of limits.
    - What is more accurate to say is that permitted levels of pollution are out of date. MV is not required to test continuously for the most toxic pollutants as is required in Oregon and for some in the EU. The province is requiring MV to hold a public consultation on updating the pollution levels and testing. Health Authorities are required to be part of developing a public health risk assessment.
    - There is a difference between "meeting parameters" and not causing harm to the environment and health
    - Also similar to findings around newer incinerators, there are dioxins in the close vicinity. There needs to be a thorough testing of the actual levels of pollution and work done to eliminate them.

I fully support the closure of the incinerator and investment in zero waste actions instead.

I am also very concerned that Metro Vancouver has not been more frank with the committee in terms of noting that it is pursuing agreements that can last for up to 50 years and where significant financial penalties could be incurred if the facility does not exist. The most recent one also mentions the possibility of rebuilding the facility, which Metro Vancouver has been indicating they are not considering. Our committee has been in existence since 2022 and yet has not been asked about these important decisions. The process seems to have been designed to have the incinerator locked in before there is any committee decisions or discussion.

Don't send materials to cement kilns and other industries for recovery -MV rationale for not including:

1. Where a feasible alternative exists, Metro Vancouver aims to manage materials according to the highest applicable level of the waste hierarchy (e.g. recycling before recovery). Recovering energy and resources from non-recyclable materials is preferable to disposal according to Metro Vancouver's waste hierarchy, which is consistent with the provincial and federal hierarchies.

- This is not consistent with the ZW hierarchy.
- These facilities are nowhere near the level of pollution control and testing of a provincially regulated facility.
- As noted for some recover actions, this further incents bad design, bad systems and does not decrease waste.
- The guidelines for SWMPs clearly state that the federal and provincial hierarchies do not need to be followed -communities can choose stronger ones, in fact leading jurisdictions have.
- Metro Van to date does not seem to be actively seeking better (reduce/reuse/recycle) options for these materials.

Agree that closing the landfill, adding new incineration (WTE) capacity and privatizing the collection /sorting systems, and single stream collection are all bad ideas. Extending the life of landfills as long as possible through waste reduction is recommended.

- MV should make it explicit in the SWMP that no new waste incineration or WTE facilities will be allowed.

From: Trevor Doré <tdore@westvancouver.ca>
Sent: Wednesday, October 29, 2025 4:25 PM
To: Stephanie Liu <Stephanie.Liu@metrovancouver.org>
Cc: Emily Willobee <ewillobee@westvancouver.ca>; Kristeen DeGobbi <kdegobbi@westvancouver.ca>; Melanie Mewhort <mmewhort@westvancouver.ca>; Heather Keith <hkeith@westvancouver.ca>; Christopher Monaghan <cmonaghan@westvancouver.ca>
Subject: MV Solid Waste Management Plan actions - District of West Vancouver comments

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Hi Stephanie,

Here are a few additional comments from the District of West Vancouver Solid Waste and Climate Action teams.

Thanks for the opportunity. Let us know if you have questions about our comments.

Thanks again,
Trevor

Trevor Doré he, him, his
Policy and Programs Planner
Engineering and Transportation Services | District of West Vancouver
t: 604-921-3498 | c: 604-202-8464 | westvancouver.ca

We acknowledge that we are on the traditional, ancestral, and unceded territory of the Sḵwx̱wú7mesh Úxwumixw (Squamish Nation), səl̓ílwətaɬ (Tsleil-Waututh Nation) and xʷməθkʷəy̓əm (Musqueam Nation). We recognize and respect them as nations in this territory, as well as their historic connection to the lands and waters around us since time immemorial. *Learn more about each of these Nations; click each name to visit their official website.*

1.0 RETHINK

1.1. Advocate for circular economy policies

- ID004 Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
- ID003 Advocate for regulatory approaches that prevent waste through implementation of low carbon, circular design and business models.
- ID090 Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular food systems.
- ID005 Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
- ID001 Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.

1.2. Support the transition to a more circular regional economy through waste prevention

- ID016 Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.
- ID014 Work collaboratively with economic development agencies to implement circular business solutions that support waste prevention innovation and support a prosperous region.
- ID079 Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
- ID015 Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
- ID011 Explore collaborations with entities such as chambers of commerce to equip small and medium-sized enterprises with practical guidance to successfully transition to a circular economy.
- ID012 Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
- ID074 Work with trade schools, industry associations, practitioners, and senior government to identify and implement solutions to fill skills training gaps required to scale a circular food system.

Summary of Comments on Microsoft Word - MASTER - DO NOT PUBLISH Draft Strategies and Action Options - FINAL September 2025

Page: 1

Number: 1 Author: ewillobee Subject: Comment on Text Date: 2025-10-23 8:55:43 AM

General comments from DWV team (solid waste AND climate action:

- Overall supportive of proposed actions, including municipal actions.

- Appreciate flexibility for municipal decision making in municipal and other actions, as municipal direct support will be subject to budget constraints, staffing and enforcement capacity. (Recognize with gratitude how MV took municipal feedback from June 26 REAC-SW workshop to polish these.)

- In a list format, some actions seem quite similar on first read (similar actions under each of sections of the waste reduction hierarchy, or similar actions in more than one goal area). I imagine snazzy graphic design will help better distinguish these in a final version.

- No significant concerns. Some areas will require some sussing out of what the municipal role is, but that's not a reason to exclude these from a 10-year plan.

- ID031 Host events with different sectors to understand the current and potential future abilities to provide circular products and services.
- ID042 Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low waste built environment, such as design for disassembly.
- ID088 Develop circular certification programs for business.
- ID009 Integrate additional waste prevention policies and programs within Metro Vancouver's operations.
- ID010 Share regional learnings in rethinking and preventing waste in Metro Vancouver's operation and delivery of solid waste management and planning.
- ID013 Assess education programs and collaborate with post-secondary institutions and professional development programs across various sectors to enhance circular economy training offered.
- ID041 Identify and work with industry event organizers to include circular built environment success stories, communication, and learning sessions that promote waste prevention in their industry communications and learning sessions.
- *ID007 Member jurisdictions will explore using public space for short-term temporary circular economy events or demonstrations. (See ID031)*
- *ID070 Member jurisdictions will partner with Metro Vancouver in support of waste reduction actions that support a more regional circular economy. (Applies to all actions under Strategy 1.2)*

1.3. Build on and foster an inclusive and collaborative circular economy

- ID021 Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
- ID017 Collaborate with external groups to identify and implement new circular economy initiatives in the community.
- ID098 Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects.
- ID023 Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
- ID029 Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
- *ID160* Develop, test and share low carbon circular built environment procurement approaches, tools and templates.
- ID022 Collaborate with governments, industry, and technology partners to develop digital tools that map how buildings are constructed and what materials they

Page: 2

Number: 1 Author: ewillobee Subject: Comment on Text Date: 2025-10-23 8:26:28 AM

No concerns with this idea, but it seems quite similar and related to ID013.

I do understand these are slightly different focus (circular economy vs low waste built environment).

It may be worthwhile to place ID013 adjacent to ID042 in a final version (I did a double take when reviewing to figure how why evaluate gaps came after working to fill them)

Number: 2 Author: ewillobee Subject: Comment on Text Date: 2025-10-23 8:26:35 AM

see comment above

- ID080 Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.

- ID104 Expand education tools to help residents of multi-family buildings to reduce waste, increase participation, and comply with evolving waste reduction regulations.

2.3. Prioritize food waste reduction initiatives

- ID075 Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
- ID072 Work with business, industry associations, and non-profits to reduce food loss and waste by improving food purchasing, storage, and preparation methods.
- ID073 Share learnings through industry focused web resources for the hospitality and entertainment sectors.
- ID052 Incentivize the commercial and institutional sectors to reduce food waste.

2.4. Enhance approaches to Metro Vancouver's disposal ban program

- ID107 Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions
- ID106 Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
- ID105 Review and expand Metro Vancouver disposal ban program to include new items such as textiles.
- ID108 Increase inspections and enforcement of disposal bans at Metro Vancouver and City of Vancouver solid waste facilities.

3.0 REUSE

3.1. Support consistent approaches to reuse

- ID032 Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
- ID034 Advocate for the adoption of consistent reuse regulations once they are proven successful at the community level.
- ID063 Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.

78992557

Page: 3

Number: 1 Author: Christopher Monaghan Subject: Comment on Text Date: 2025-10-28 12:38:09 PM

When appropriate, align with the policy framework in the Home Demolition Waste Prevention Municipal Action Plan (2025) of the Building Relocation and Deconstruction Association of BC.

For example, Policy 5: Municipal Building Removal Procurement Standards and Policy 6: Adopt Standard Definition of 'Deconstruction'.

From: Gil Yaron <gil@light-house.org>
Sent: Thursday, October 30, 2025 8:57 PM
To: Karen Storry <Karen.Storry@metrovancouver.org>
Subject: SWMP Action Items - submission

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Karen,

Please find attached my comments on the proposed SWMP action items. I am sorry that I was not able to give this the attention needed. Consequently, my comments are quite limited. I just didn't have time to work through them at the level I would have liked.

Please confirm receipt and let me know if you have any questions.

Cheers,

Gil Yaron
Managing Director, Circular Innovation
(604) 677-3126 ext.304 | (778) 668-3675
www.light-house.org

Light House
Bringing Buildings to Life

604 677 3126
info@light-house.org
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450 Marine Dr. SW, 18th Floor
Vancouver, BC V5X 0C3

October 28, 2025

Comments Regarding Metro Vancouver Solid Waste Management Plan Potential Strategies and Actions

Light House Sustainable Building Centre is a Canadian non-profit organization committed to advancing sustainable and low-carbon building practices. Our work focuses on fostering innovation in policy, design, and construction to reduce the environmental impact of the built environment. Light House's Managing Director of Circular Innovation, Gil Yaron, currently sites on Metro Vancouver's Solid Waste Management Plan Public/Technical Advisory Committee.

Light House appreciates the opportunity to provide feedback on potential strategies and actions presented by Metro Vancouver in relation to the development of the region's Solid Waste Management Plan.

While we appreciate the process that Metro Vancouver has followed to receive input on action items and frame the feedback received in the context of the evolved prevention hierarchy, it is our view that the action items fall short generally in several ways:

- The actions detailed are limited concepts that do not address the system-level changes that are required to move towards a circular economy. Actions need to focus on re-engineering existing systems and infrastructure, driving behaviour change and shifting capital to scaling circular economic activities.
- As part of a 10-year plan for managing solid waste in the region, the actions lack SMART targets and outcomes to define the desired outcomes of the region's material management strategy. Without clear outcomes there is no accountability for attaining circular objectives.
- All actions continue to use waste terminology focused on tailpipe solutions and language that devalues materials -- waste prevention and waste reduction -- rather than circular economic terms that highlight the inherent value of material resources, including reducing use of virgin materials and treating excess and salvaged materials as a resource.

We submit that Metro Vancouver's SWMP include a select number of bold and tangible actions directed at systems-level change towards a more circular economy; each action accompanied by SMART targets.

It is not possible to comment on all the actions detailed in the list provided by Metro Vancouver. The following is a reframing of a select number of actions under some of the pollution prevention hierarchy categories for illustrative purposes. We submit that the entire list of actions needs to be reconsidered with reference to the principles stated above. In addition, we endorse the comments made by Jamie Kaminski with HSR Zero Waste and Sue Maxwell of Zero Waste BC.

1. **RETHINK**

Currently, all proposed actions under section 1.1 (Advocate for circular economy policies) focus on advocating for change rather than leading on change through action. Metro Vancouver should set out clear actions that demonstrate leadership and move the region towards a circular economy in a tangible way. For example,

- Develop and implement a circular economic policy framework that addresses all three elements of the circular economy as defined by the Ellen MacArthur Foundation to replace the Solid Waste Management Plan.
- Reframe all regional solid waste policies and programs in terms of circular economy principles and concepts.
- Require that all regional and regionally-funded projects have material diversion targets with reporting that clearly identifies end fates.
- Require that all regional procurement policies prioritize use of reclaimed materials, including minimum reuse requirements.

We support a number of concrete actions under section 1.2 (Support the transition to a more circular regional economy through waste prevention), such as ID088 (develop circular certification programs for business) and ID042. However, most actions fall short of what is required to achieve this desired transition. Accordingly, Metro Vancouver should outline clear and impactful actions, not just support, to transition to a circular regional economy, such as:

- Allocating $X millions to developing and scaling circular initiatives over 5 years.
- Establishing programs in partnership with industry associations and educational institutions to foster awareness about the circular economy amongst, students, SMEs and other community stakeholders.
- Modifying ID009 to specify the exact policies that Metro Vancouver will integrate, including:
    - Allocation of underutilized regional lands for waste diversion programs
    - Reuse requirements in new regional construction or regionally-funded construction
    - Introducing bans on importing materials into the region that do not have a recycling option.

Sincerely,

Gil Yaron
Managing Director, Circular Innovation
Light House
P: 778.668.3675
E: gil@light-house.org

From: Diana Dilworth <diana@havan.ca>
Sent: Friday, October 31, 2025 3:42 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Feedback on Metro Vancouver Proposed Solid Waste Management Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

We thank Metro Vancouver for including the Homebuilders Association Vancouver (HAVAN) in the recent consultation regarding Metro's solid waste management plan.

The notes that the Metro Vancouver representatives prepared after our meeting were very much appreciated and accurately capture the thoughts that we provided. However, we feel it is worth reiterating some of our comments and sharing areas of concern impacting our membership and the residential homebuilding sector at large.

The downturn in the economy and multitude of barriers facing our members equates to a major challenge in affordability.... challenges in building new homes in an efficient and affordable manner and challenges for want-to-be homeowners in securing financing to purchase. Any new program implemented by any level of government needs to acknowledge the burden of costs of a new solid waste management plan and how to minimize that burden, through opt-in participation with incentives (ie: using a carrot approach versus a stick one).

Our members are being inundated with information, policy and legislative change, new programs from all levels of government and one of the better ways to garner buy-in from builders is to ensure that the program is accessible, well-understood and applied consistently in municipalities across the regional district. One unintended consequence of new policy implementation that our members are experiencing is the number of changes that are happening in silos, with the result being potential conflicts with other government initiatives and actions.

A broad communication strategy to advance the knowledge transfer of implementing circular economy practices in our industry is strongly recommended and further detailed suggestions are contained within the notes taken. HAVAN reiterates our offer to partners with Metro Vancouver in sharing information with our membership through builders' breakfast type events, through our various communication channels and through focused webinars.

Again HAVAN appreciates the opportunity to share our thoughts with and for the detailed note-taking that has been recorded as part of the formal consultation process.

Wendy McNeil

Chief Executive Officer

Homebuilders Association Vancouver
direct: 778-373-9784 / cell: 604-831-8620
#1011, 7445 132 Street, Surrey, BC V3W 1J8
www.havan.ca

From: "Kosmak, Monica" <Monica.Kosmak@vancouver.ca>
Date: October 31, 2025 at 4:28:15 PM PDT
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: "McDermott, Jonathan" <Jonathan.McDermott@vancouver.ca>, "Harris, Michelle" <michelle.harris@vancouver.ca>, Lynn Belanger <Lynn.Belanger@vancouver.ca>, Paul Henderson <Paul.Henderson@metrovancouver.org>, Karen Storry <Karen.Storry@metrovancouver.org>
Subject: Solid Waste Management Plan Update - City of Vancouver feedback on draft actions

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Hi Paul,

On Jon's behalf, attached is a letter from the City of Vancouver with written comments.

Many of the proposed actions in the draft SWMP support the City's Zero Waste 2040 goal to reduce waste to landfills and incinerators. The letter respectfully requests three main updates:

1. Actions for member jurisdictions
We support adding a preamble to acknowledge budget pressures facing Metro Vancouver members and updating the actions to say where Metro will collaborate with members (rather than requiring members to participate), as discussed at REAC SWSC on Oct. 30. We also request reducing duplication wherever possible by identifying actions Metro will lead.

2. Extended producer responsibility (EPR) actions
a) Add an EPR action to the Reuse section.
b) Move the streetscape recycling action (ID139) to the EPR section (4.2) and clarify that EPR programs are responsible.

3. Use climate science to inform solid waste policies and progress reports.
a) Assess greenhouse gas emissions associated with managing products and packaging at each level of the waste management hierarchy and use the results to develop or advocate for policies that prioritize decarbonization.
b) Conduct annual Consumption-Based Emission Inventories.

Please let Jon know if you have any questions.

Thanks,
Monica

Monica Kosmak | Senior Project Manager (she/her)
Single-Use Item Reduction Strategy
Engineering Services | City of Vancouver
c. 604.679.3192 | monica.kosmak@vancouver.ca
vancouver.ca/reduce-single-use

The City of Vancouver respectfully acknowledges it is situated on the unceded traditional territories of the xʷməθkʷəy̓əm (Musqueam), Sḵwx̱wú7mesh (Squamish), and səlilwətaɬ (Tsleil-Waututh) Peoples.

October 31, 2025

Paul Henderson, General Manager, Solid Waste Services
Metrotower III, 4515 Central Boulevard
Burnaby, BC, V5H 0C6]
Via email: zerowaste@metrovancouver.org

Dear Paul Henderson:

RE: Feedback on Actions in the Draft Solid Waste Management Plan Update

Thank you for the opportunity to provide feedback on the proposed actions in Metro Vancouver's draft Solid Waste Management Plan (SWMP) update. This letter provides City of Vancouver staff's feedback in addition to the comments we offered at the Regional Engineering Advisory Committee - Solid Waste Subcommittee (REAC SWSC) workshop on October 6 and follow-up meeting on October 30.

Many of the proposed actions in the draft SWMP support the City's Zero Waste 2040 goal to reduce waste to landfills and incinerators. We respectfully request three main updates:

1. Actions for member jurisdictions

We need flexibility to assess staff's capacity to participate in the SWMP actions on a case-by-case basis within the context of annual budget cycles and Council's direction. We support adding a preamble to acknowledge budget pressures facing Metro Vancouver members, and updating the actions to say where Metro will collaborate with members (rather than requiring members to participate), as discussed at REAC SWSC on October 30. We also request reducing duplication wherever possible by identifying actions Metro will lead and invite members to participate. We'll provide further comments once Metro shares the draft preamble and updated actions with REAC SWSC.

2) Extended producer responsibility (EPR) actions

a) **Add an EPR action to the Reuse section**: Even though B.C.'s EPR regulation is called the "Recycling Regulation," and the Province has enforced EPR as recycling programs, it's important to encourage reuse through EPR. The B.C. Recycling Regulation requires producers to manage their collected products and packaging "in the descending order of preference [of the pollution prevention hierarchy], such that pollution prevention is not undertaken at one level unless or until all feasible opportunities for pollution prevention at the higher level have been taken." The hierarchy in the regulation includes four steps above recycling: reducing the environmental impact, redesign, reducing unused portions

of consumable products, and reuse. Examples of existing EPR programs that could expand to reuse include beverage containers (refillable bottles), single-use items (reusable food service ware), other packaging (refillables), electronics, appliances and electrical equipment.

b) **Move the streetscape recycling action (ID139) to the EPR section (4.2) and clarify that EPR programs are responsible,** as shown in Table 1 in the attachment.

2) **Use climate science to inform solid waste policies and progress reports.**

a) **Assess greenhouse gas emissions associated with managing products and packaging** at each level of the waste management hierarchy and use the results to develop or advocate for policies that prioritize decarbonization.

b) **Conduct annual Consumption-Based Emission Inventories** to report on greenhouse gas emissions for targeted waste streams. As you know from the Metro Vancouver Regional Consumption-Based Emissions Inventory, these inventories are calculated to understand the total greenhouse gas (GHG) emissions linked to a region's consumption of goods and services, regardless of where those emissions occurred during resource extraction, manufacturing and transportation phases. This approach complements traditional inventories by revealing the "embodied" carbon emissions from imported goods and is used to identify targeted reduction strategies, and set more comprehensive climate goals.

Sincerely,



Jonathan McDermott, P.Eng.
Director of Solid Waste Management, Engineering Services
604-871-6241 | jonathan.mcdermott@vancouver.ca

Attachment

REQUESTED UPDATES TO DRAFT ACTIONS

Requested updates are shown in tracked changes.

Table 1. EPR actions

Section	Action	Wording
4.5. Make recycling easier and more effective by reducing confusion and improving convenience …but move to: 4.2 Enhance EPR programs	ID139	Member jurisdictions will, where feasible, consider partnering with EPR organizations to implement~~ation of effective streetscape~~public realm reuse and recycling programs, ~~interventions~~such as streetscape recycling ~~where feasible~~.(See ID137)

From: Marie-Lou Leblanc <MLeblanc@slrd.bc.ca>
Sent: October 31, 2025 4:54 PM
To: Stephanie Liu
Cc: Faith Sabourault
Subject: RE: Options Analysis Engagement: Metro Vancouver's Solid Waste Management Plan Update
Attachments: strategies-and-action-options-analysis-2025_SLRD_Whistler_Squamish comments.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

WARNING: This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.

Hi Stephanie,

I am sorry for our late feedback. We, SLRD, Whistler, and Squamish, highlighted the actions that are key and where Metro Vancouver can play a significant role. You will notice that we have added feedback for some actions.

Let me know if you have any questions.

Have a nice weekend.

Marie-Lou Leblanc (she/her) | Resource Recovery Coordinator Environmental Services | Squamish-Lillooet Regional District E: mleblanc@slrd.bc.ca | D: 604-894-6371 x 236
TF: 1-800-298-7753
SLRD

1.0 RETHINK

1.1. Advocate for circular economy policies

- ID004 Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy regulations.
- ID003 Advocate for regulatory approaches that prevent waste through implementation of low carbon, circular design and business models.
- ID090 Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular food systems.
- ID005 Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular built environment solutions.
- ID001 Advocate that federal and provincial governments phase in regulations for the prohibition of the import, export manufacture, and distribution of non-essential, non-recyclable products and packaging.

1.2. Support the transition to a more circular regional economy through waste prevention

- ID016 Identify and encourage scale up of low waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.
- ID014 Work collaboratively with economic development agencies to implement circular business solutions that support waste prevention innovation and support a prosperous region.
- ID079 Improve circular economy education in schools through field trips, hands-on learning, and other innovative school education programs.
- ID015 Advocate for incentives and programs for circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.
- ID011 Explore collaborations with entities such as chambers of commerce to equip small and medium-sized enterprises with practical guidance to successfully transition to a circular economy.
- ID012 Bring together cross-sector ideas and facilitate discussions to create circular economy solutions that accelerate waste prevention.
- ID074 Work with trade schools, industry associations, practitioners, and senior government to identify and implement solutions to fill skills training gaps required to scale a circular food system.

Summary of Comments on Draft Strategies and Actions Options Analysis 2025

Page: 1

Number: 1 Author: LebMar Subject: Sticky Note Date: 2025-10-31 3:54:13 PM
Metro Vancouver has, in general, more impact in terms of advocacy, and the SLRD would support in terms of writing letters, but BC needs the Metro Vancouver to lead the advocacy.

Number: 2 Author: Date: Indeterminate

Number: 3 Author: swhite Subject: Highlight Date: 2025-10-31 1:54:59 PM
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Number: 4 Author: swhite Subject: Highlight Date: 2025-10-31 1:54:49 PM
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Number: 5 Author: swhite Subject: Highlight Date: 2025-10-31 1:51:15 PM
•

Number: 6 Author: ATucker Subject: Highlight Date: 2025-10-31 7:48:47 AM
Metro Van would have a louder voice than the SLRD when requesting that the province and federal governments need to make policy changes reducing the amounts of waste generated each year.

Number: 7 Author: swhite Subject: Highlight Date: 2025-10-31 1:54:34 PM
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Number: 8 Author: swhite Subject: Highlight Date: 2025-10-31 1:51:21 PM
•

Number: 9 Author: ATucker Subject: Highlight Date: 2025-10-30 3:16:08 PM

Number: 10 Author: swhite Subject: Highlight Date: 2025-10-31 1:54:56 PM
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Number: 11 Author: ATucker Subject: Highlight Date: 2025-10-30 3:16:12 PM

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:03 PM
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Number: 13 Author: ATucker Subject: Highlight Date: 2025-10-30 3:16:36 PM

Number: 14 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:07 PM
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Number: 15 Author: ATucker Subject: Highlight Date: 2025-10-30 3:18:33 PM

Number: 16 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:10 PM
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Number: 17 Author: ATucker Subject: Highlight Date: 2025-10-30 3:18:43 PM

Number: 18 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:12 PM
•

Number: 19 Author: LebMar Subject: Sticky Note Date: 2025-10-31 3:58:27 PM
The SLRD has school program related to waste diversion and we would definitly like to incorporate more circular economy education.

Number: 20 Author: ATucker Subject: Highlight Date: 2025-10-31 7:53:36 AM
We can utilize educational materials Metro Van develops

Number: 21 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:16 PM
•

Comments from page 1 continued on next page

1.0 RETHINK

1.1. Advocate for circular economy policies

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Number: 22 Author: ATucker Subject: Highlight Date: 2025-10-30 3:19:06 PM

Number: 23 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:20 PM

Number: 24 Author: ATucker Subject: Highlight Date: 2025-10-30 3:19:25 PM

Number: 25 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:22 PM

Number: 26 Author: ATucker Subject: Highlight Date: 2025-10-30 3:20:01 PM

Number: 27 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:24 PM

Number: 28 Author: ATucker Subject: Highlight Date: 2025-10-30 3:20:23 PM

Number: 29 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:32 PM

Number: 30 Author: swhite Subject: Highlight Date: 2025-10-31 1:54:20 PM

Number: 31 Author: swhite Subject: Highlight Date: 2025-10-31 1:53:58 PM

- ID031 Host events with different sectors to understand the current and potential future abilities to provide circular products and services.
- ID042 Work with trade schools, industry associations, practitioners and senior government to identify and implement solutions to fill skills training gaps required to scale rethink approaches to a low waste built environment, such as design for disassembly.
- ID088 Develop circular certification programs for business.
- ID009 Integrate additional waste prevention policies and programs within Metro Vancouver's operations.
- ID010 Share regional learnings in rethinking and preventing waste in Metro Vancouver's operation and delivery of solid waste management and planning.
- ID013 Assess education programs and collaborate with post-secondary institutions and professional development programs across various sectors to enhance circular economy training offered.
- ID041 Identify and work with industry event organizers to include circular built environment success stories, communication, and learning sessions that promote waste prevention in their industry communications and learning sessions.

1.3. Build on and foster an inclusive and collaborative circular economy

- ID021 Work on collaborative research projects to further advance waste reduction and a circular economy, and share the findings broadly.
- ID017 Collaborate with external groups to identify and implement new circular economy initiatives in the community.
- ID098 Develop collaborative programs that integrate Indigenous practices into urban sustainability initiatives, such as community composting gardens or permaculture projects.
- ID023 Continue working with textile waste reduction organizations to develop tools for the fashion industry to design low waste, circular clothing.
- ID029 Lead a working group to support member jurisdictions on the development and implementation of circular procurement policies and practices.
- *ID160* Develop, test and share low carbon circular built environment procurement approaches, tools and templates.
- ID022 Collaborate with governments, industry, and technology partners to develop digital tools that map how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials for reuse.
- ID026 Collaborate with regional economic development agencies and others to educate business on the benefits of circular business models, invite industry to share their ideas on how to accelerate adoption of circular business models and update existing circular economy resources.

Page: 2

Number: 1 Author: LebMar Subject: Sticky Note Date: 2025-10-31 3:59:55 PM
The SLRD would definitly benefits from those events and the information learned from those.

Number: 2 Author: ATucker Subject: Highlight Date: 2025-10-31 7:54:24 AM
this might provide insight into what the SLRD can do with their plan development.

Number: 3 Author: swhite Subject: Highlight Date: 2025-10-31 1:54:13 PM
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Number: 4 Author: ATucker Subject: Highlight Date: 2025-10-31 7:55:43 AM
This would benefit all build environment sectors improving design principals minimizing waste generation

Number: 5 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:38 PM
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Number: 6 Author: ATucker Subject: Highlight Date: 2025-10-31 7:55:51 AM

Number: 7 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:42 PM
•

Number: 8 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:01:53 PM
SLRD can learn and integrate/adapt the policies and programs developed by Metro Vancouver.

Same idea for ID010

Number: 9 Author: ATucker Subject: Highlight Date: 2025-10-31 7:56:53 AM
although Metro Van has different challenges compared to the SLRD they will learn things that could be used to create new policy in S2S

Number: 10 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:47 PM
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Number: 11 Author: ATucker Subject: Highlight Date: 2025-10-30 3:21:06 PM

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:51 PM
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Number: 13 Author: ATucker Subject: Highlight Date: 2025-10-30 3:21:19 PM

Number: 14 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:56 PM
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Number: 15 Author: ATucker Subject: Highlight Date: 2025-10-30 3:21:34 PM

Number: 16 Author: swhite Subject: Highlight Date: 2025-10-31 1:55:59 PM
•

Number: 17 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:02:38 PM
ID021 and ID017 great opportunities to collaborate

Number: 18 Author: Date: 2025-10-31 7:57:29 AM
another opportunity to collaborate

Number: 19 Author: swhite Subject: Highlight Date: 2025-10-31 1:56:06 PM
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Number: 20 Author: Date: Indeterminate

Number: 21 Author: swhite Subject: Highlight Date: 2025-10-31 1:56:17 PM
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Number: 22 Author: swhite Subject: Highlight Date: 2025-10-31 1:56:25 PM
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Number: 23 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:03:20 PM

Comments from page 2 continued on next page

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78992557

Textile reduction is important for the SLRD

Number: 24 Author: swhite Subject: Highlight Date: 2025-10-31 1:56:29 PM

Number: 25 Author: Date: Indeterminate

Number: 26 Author: swhite Subject: Highlight Date: 2025-10-31 1:56:34 PM

Number: 27 Author: Date: Indeterminate

Number: 28 Author: ATucker Subject: Highlight Date: 2025-10-30 3:21:58 PM

Number: 29 Author: swhite Subject: Highlight Date: 2025-10-31 1:56:49 PM

Number: 30 Author: swhite Subject: Highlight Date: 2025-10-31 1:56:52 PM

Number: 31 Author: Date: Indeterminate

Number: 32 Author: ATucker Subject: Highlight Date: 2025-10-30 3:22:12 PM

Number: 33 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:00 PM

- ID018 Continue to learn from circular economy and waste prevention leaders.
- ID027 Investigate how to maximize low barrier employment opportunities in roles that support a circular economy.
- ID099 Continue and build on existing industry collaborations such as national scale organizations to reduce plastics and other priority waste streams.
- ID019 Continue to facilitate sharing with member jurisdictions through regularly scheduled advisory committee meetings. Through these committees, host workshops and learning sessions with member jurisdiction staff on priority topics.

1.4. Collect and enhance data to track progress toward a circular economy

- ID093 Research and pilot ways to measure success of collaborations.
- ID091 Develop methods for estimating and reporting environmental benefits for waste prevention actions, such as reduction of GHG emissions (including embodied carbon), water use, and life-cycle impacts.
- ID092 Continue to develop and improve region wide key performance indicators to track progress on circular economy through rethinking and reducing waste.
- ID097 Work towards reporting by material type on all levels of the waste hierarchy starting with organics, wood, and textiles.
- ID095 Explore new technology that could help with data collection.
- ID094 Strengthen waste composition data to improve actionable insights.
- ID096 Look at ways to include diversity, equity and inclusion data in solid waste data.

2.0 REDUCE

2.1. Collaborate with businesses and institutions to reduce waste at the source

- ID020 Host workshops with specialty sectors such as healthcare to co-develop waste reduction solutions.
- ID100 Develop education tools for businesses to help them reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations.
- ID161 Host workshops aimed at sharing and implementing approaches to reduce commercial/institutional disposal such as business license requirements or other regulatory approaches.
- ID102 Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to businesses how they are doing.
- ID002 Continue working collaboratively with national plastics waste reduction organizations, businesses, non-profits and member jurisdictions to reduce plastic waste and identify additional hard to recycle plastics for elimination.

Page: 3

Number: 1 Author: ATucker Subject: Highlight Date: 2025-10-30 3:22:22 PM

Number: 2 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:08 PM

Number: 3 Author: ATucker Subject: Highlight Date: 2025-10-31 7:59:36 AM
with increasing labour costs lower barrier employment opportunities may make sense if the infrastructure is available to support the work and that workers are readily available to fill available positions

Number: 4 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:12 PM

Number: 5 Author: ATucker Subject: Highlight Date: 2025-10-30 3:22:49 PM

Number: 6 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:17 PM

Number: 7 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:22 PM

Number: 8 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:12:34 PM
Tracking data is very important but as well very challenging; learning from metro Van would help with data tracking as well as filling gaps

Number: 9 Author: ATucker Subject: Highlight Date: 2025-10-30 3:23:13 PM

Number: 10 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:31 PM

Number: 11 Author: ATucker Subject: Highlight Date: 2025-10-30 3:23:23 PM

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:34 PM

Number: 13 Author: ATucker Subject: Highlight Date: 2025-10-30 3:23:33 PM

Number: 14 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:38 PM

Number: 15 Author: ATucker Subject: Sticky Note Date: 2025-10-30 3:24:36 PM
we can learn how Metro Van tracks KPI's and use those learnings on developing local KPI measurements.

Number: 16 Author: ATucker Subject: Highlight Date: 2025-10-30 3:26:51 PM

Number: 17 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:44 PM

Number: 18 Author: ATucker Subject: Sticky Note Date: 2025-10-30 3:27:27 PM
understanding how Metro Van fills data gaps would be important.

Number: 19 Author: ATucker Subject: Highlight Date: 2025-10-31 8:00:44 AM
This could create a new and local software/tech market for tracking waste

Number: 20 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:47 PM

Number: 21 Author: ATucker Subject: Highlight Date: 2025-10-30 3:27:41 PM

Number: 22 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:50 PM

Number: 23 Author: swhite Subject: Highlight Date: 2025-10-31 1:57:54 PM

Comments from page 3 continued on next page

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78992557

Number: 24 Author: ATucker Subject: Sticky Note Date: 2025-10-30 3:28:37 PM
DEI is important but I'm not sure how this fits with solid waste data.

Number: 25 Author: swhite Subject: Highlight Date: 2025-10-31 1:58:06 PM
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Number: 26 Author: ATucker Subject: Highlight Date: 2025-10-30 3:29:18 PM

Number: 27 Author: swhite Subject: Highlight Date: 2025-10-31 1:58:12 PM
•

Number: 28 Author: ATucker Subject: Sticky Note Date: 2025-10-30 3:29:51 PM
Metro Van develops great toolkits that can be useful to others

Number: 29 Author: ATucker Subject: Highlight Date: 2025-10-30 3:30:05 PM

Number: 30 Author: swhite Subject: Highlight Date: 2025-10-31 1:58:21 PM
•

Number: 31 Author: ATucker Subject: Sticky Note Date: 2025-10-30 3:30:24 PM
We would be interested in knowing how they would do that.

Number: 32 Author: ATucker Subject: Highlight Date: 2025-10-30 3:30:39 PM

Number: 33 Author: swhite Subject: Highlight Date: 2025-10-31 1:58:34 PM
•

Number: 34 Author: ATucker Subject: Sticky Note Date: 2025-10-30 3:31:20 PM
If Metro Van develops a estimate that could be useful for others

Number: 35 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:19:33 PM
Metro Van is very important in plastic waste reduction

Number: 36 Author: ATucker Subject: Highlight Date: 2025-10-30 3:31:31 PM

Number: 37 Author: swhite Subject: Highlight Date: 2025-10-31 1:58:27 PM
•

ID101 Increase in person education where business and others can talk directly with experts on how to reduce waste.

ID024 Connect with member jurisdictions and the clothing sector to develop solutions for clothing waste reduction that can be implemented at the regional level.

ID162 Host workshops and meetings aimed at sharing and implementing updates to definitions and provisions in zoning and development bylaws which better clarify and facilitate the possible locations for waste reduction and recycling businesses.

- ID028 Work with different sectors such as the promotional products industry to develop and promote procurement tools and templates for Metro Vancouver and other organizations to buy more sustainable goods.

ID040 Co-host events such as "builders' breakfasts" with the construction industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reducing waste in the built environment sector.

ID043 Update and maintain the Metro Vancouver Construction and Demolition Waste Reduction Toolkit starting with updated case studies that follow a case study template developed collaboratively with industry and member jurisdictions.

ID062 Report on challenges and opportunities to reduce construction waste in the Metro Vancouver region.

2.2. Support residents adopting waste prevention habits

- ID081 Increase in-person education where residents can talk directly with experts on how to reduce waste.

ID080 Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.

ID104 Expand education tools to help residents of multi-family buildings to reduce waste, increase participation, and comply with evolving waste reduction regulations.

2.3. Prioritize food waste reduction initiatives

ID075 Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.

ID072 Work with business, industry associations, and non-profits to reduce food loss and waste by improving food purchasing, storage, and preparation methods.

ID073 Share learnings through industry focused web resources for the hospitality and entertainment sectors.

- ID052 Incentivize the commercial and institutional sectors to reduce food waste.

2.4. Enhance approaches to Metro Vancouver's disposal ban

Page: 4

Number: 1 Author: ATucker Subject: Highlight Date: 2025-10-31 8:01:29 AM
expand the wastewizard search engine

Number: 2 Author: swhite Subject: Highlight Date: 2025-10-31 2:01:57 PM
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Number: 3 Author: ATucker Subject: Highlight Date: 2025-10-30 3:31:50 PM

Number: 4 Author: swhite Subject: Highlight Date: 2025-10-31 2:02:02 PM
•

Number: 5 Author: swhite Subject: Highlight Date: 2025-10-31 2:02:28 PM
•

Number: 6 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:21:29 PM
There is no such events at the SLRD, but we would be interested to hear what the industry has to say

Number: 7 Author: ATucker Subject: Highlight Date: 2025-10-31 8:01:55 AM
this is currently happening in the RMOW

Number: 8 Author: swhite Subject: Highlight Date: 2025-10-31 2:02:34 PM
•

Number: 9 Author: swhite Subject: Highlight Date: 2025-10-31 2:02:41 PM
•

Number: 10 Author: ATucker Subject: Sticky Note Date: 2025-10-30 3:33:29 PM
Deconstruction material generated by a Metro Van building may have more value that RMOW because they are older constructed with better materials.

Number: 11 Author: ATucker Subject: Highlight Date: 2025-10-30 3:33:38 PM

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 2:02:45 PM
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Number: 13 Author: ATucker Subject: Highlight Date: 2025-10-31 8:02:21 AM

Number: 14 Author: ATucker Subject: Highlight Date: 2025-10-30 3:34:01 PM

Number: 15 Author: swhite Subject: Highlight Date: 2025-10-31 2:03:13 PM
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Number: 16 Author: ATucker Subject: Highlight Date: 2025-10-30 3:34:09 PM

Number: 17 Author: swhite Subject: Highlight Date: 2025-10-31 2:03:18 PM
•

Number: 18 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:25:28 PM
in addition to Andrew in Whistler, there is a need of support from the federal and the provincial for food waste / organics diversion for small areas where operation cost is significantly high and makes it hard to divert food waste.

Number: 19 Author: ATucker Subject: Highlight Date: 2025-10-31 8:03:52 AM
A serious look is required for processing organics so that we have the infrastructure and business cases in place to allow for compost markets to develop resulting in more organics to be diverted and composted.

Number: 20 Author: swhite Subject: Highlight Date: 2025-10-31 2:03:24 PM
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Number: 21 Author: swhite Subject: Highlight Date: 2025-10-31 2:03:47 PM
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Number: 22 Author: ATucker Subject: Highlight Date: 2025-10-30 3:34:44 PM

Comments from page 4 continued on next page

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2.2. Support residents adopting waste prevention habits

- ID081 Increase in-person education where residents can talk directly with experts on how to reduce waste.
- ID080 Develop methods to estimate the waste reduction impacts of everyday actions and communicate back to residents how they are doing. Celebrate high performers.
- ID104 Expand education tools to help residents of multi-family buildings to reduce waste, increase participation, and comply with evolving waste reduction regulations.

2.3. Prioritize food waste reduction initiatives

- ID075 Advocate for the federal and provincial governments to provide funding and incentive programs for businesses to scale up food reuse, food recovery, gleaning on farms and food remanufacturing.
- ID072 Work with business, industry associations, and non-profits to reduce food loss and waste by improving food purchasing, storage, and preparation methods.
- ID073 Share learnings through industry focused web resources for the hospitality and entertainment sectors.
- ID052 Incentivize the commercial and institutional sectors to reduce food waste.

2.4. Enhance approaches to Metro Vancouver's disposal ban

Number: 23 Author: swhite Subject: Highlight Date: 2025-10-31 2:03:40 PM

Number: 24 Author: ATucker Subject: Sticky Note Date: 2025-10-30 3:35:24 PM

we do this now through differential tip fee rates keeping organics at a lower rate than other wastes

program

- ID107 Explore options to enhance disposal ban inspection efficacy such as the use of clear bags or innovative technology solutions
- ID106 Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.
- ID105 Review and expand Metro Vancouver disposal ban program to include new items such as textiles.

3.0 REUSE

3.1. Support consistent approaches to reuse

- ID032 Develop consistent tools and reporting requirements to improve administrative efficiency of house relocation and deconstruction bylaws for contractors and municipalities.
- ID034 Advocate for the adoption of consistent reuse regulations once they are proven successful at the community level.
- ID063 Update the regionally harmonized approach for single-use item reduction bylaws to include reuse requirements.

3.2. Increase reuse of used building materials

- ID039 Encourage the development of an in-region facility for triaging building materials to their best and highest use.
- ID045 Advocate that provincial and federal governments develop an incentive program to increase the use of used building materials in new projects.
- ID046 Work collaboratively with industry, municipalities and the federal and provincial government to better understand storage and land use requirements for the construction and demolition sector and find innovative solutions to meet land use needs for key waste reduction activities such as house moving, deconstruction and building material resale.
- ID038 Explore options for implementing an online marketplace for construction and demolition materials.
- ID037 Foster further development of secondhand building material markets.
- ID035 Work collaboratively with industry and member jurisdictions to increase reuse in the construction and demolition sector.
- ID036 Encourage residents to incorporate more used building materials into their home renovation projects.

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Page: 5

Number: 1 Author: ATucker Subject: Highlight Date: 2025-10-30 3:36:07 PM

Number: 2 Author: swhite Subject: Highlight Date: 2025-10-31 2:03:53 PM

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Number: 3 Author: ATucker Subject: Highlight Date: 2025-10-31 8:05:09 AM

I think a better thing Metro Van can do is to advocate to lower fast fashion textile waste

Number: 4 Author: swhite Subject: Highlight Date: 2025-10-31 2:04:02 PM

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Number: 5 Author: ATucker Subject: Highlight Date: 2025-10-31 8:05:59 AM

not a lot of opportunity to move homes in Whistler but perhaps there are opportunities in other SLRD areas.

Number: 6 Author: swhite Subject: Highlight Date: 2025-10-31 2:05:01 PM

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Number: 7 Author: ATucker Subject: Highlight Date: 2025-10-30 3:36:56 PM

Number: 8 Author: swhite Subject: Highlight Date: 2025-10-31 2:05:19 PM

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Number: 9 Author: ATucker Subject: Sticky Note Date: 2025-10-30 3:37:23 PM

this may help develop a reuse market for areas around Metro Van

Number: 10 Author: swhite Subject: Highlight Date: 2025-10-31 2:05:23 PM

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Number: 11 Author: ATucker Subject: Highlight Date: 2025-10-31 8:07:05 AM

developing a marketplace requires networking and infrastructure to support material storage until it can be sold.

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 2:05:59 PM

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Number: 13 Author: ATucker Subject: Highlight Date: 2025-10-30 3:37:52 PM

Number: 14 Author: swhite Subject: Highlight Date: 2025-10-31 2:06:04 PM

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Number: 15 Author: ATucker Subject: Highlight Date: 2025-10-30 3:38:20 PM

Number: 16 Author: swhite Subject: Highlight Date: 2025-10-31 2:06:27 PM

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Number: 17 Author: ATucker Subject: Highlight Date: 2025-10-30 3:38:28 PM

Number: 18 Author: swhite Subject: Highlight Date: 2025-10-31 2:06:29 PM

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Number: 19 Author: ATucker Subject: Highlight Date: 2025-10-30 3:38:33 PM

Number: 20 Author: swhite Subject: Highlight Date: 2025-10-31 2:06:30 PM

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Number: 21 Author: ATucker Subject: Highlight Date: 2025-10-30 3:38:45 PM

Number: 22 Author: swhite Subject: Highlight Date: 2025-10-31 2:06:32 PM

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Number: 23 Author: ATucker Subject: Highlight Date: 2025-10-30 3:38:54 PM

3.3. Foster the broad adoption of reuse, refill, and repair

- ID066 Consider spatial mapping of repair and other ways to better quantify reuse and repair in the region. Prioritize open data approaches so that data can be universally accessed.
- ID047 Advocate that the federal and provincial government develop funding programs to support the expansion and development of reuse and repair infrastructure such as “thing borrowing” at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.
- ID083 Work collaboratively with food recovery and reuse organizations and non-profits to develop a where to reuse/refill/repair data set.
- ID167 Work with industry associations, practitioners and senior government to identify and fill skills training gaps required to scale reuse, refill and repair.
- ID164 Share best practices for incorporating reuse, refill, and repair programs into communities.
- ID025 Encourage brands to take back garments from consumers for reuse and repair.

3.4. Work with event organizers, businesses and institutions to increase reuse

- ID055 Evaluate the feasibility of a regional-scale reusable food service ware system.
- ID056 Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres across the region.
- ID084 Incentivize the commercial and institutional sector to implement refill/reuse systems.
- ID053 Co-develop measures to improve the reuse experience for consumers with national plastics waste reduction organizations and retailers.
- ID165 Develop a regional approach to events prioritizing surplus food redistribution, reusable food service ware, and litter reduction.
- ID050 Work with event organizers, event venues, schools, and universities to implement reusable food service ware, bags reuse programs, and food recovery.
- ID054 Evaluate the feasibility of a 'reuse mall' model.
- ID051 Support libraries to send surplus books for reuse and recycling through education.

3.5. Increase access to reuse, refill and repair

- ID060 Explore the feasibility of a small business grant program to support the transition to reuse, refill, and waste reduction.
- ID065 Research and trial additional ways to scale reuse and repair.

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Page: 6

Number: 1 Author: ATucker Subject: Highlight Date: 2025-10-31 8:08:27 AM
these programs would need to see subsidies to allow the market to develop. Tool development to support this marketplace development should also be developed

Number: 2 Author: ATucker Subject: Highlight Date: 2025-10-30 3:39:59 PM

Number: 3 Author: swhite Subject: Highlight Date: 2025-10-31 2:07:19 PM
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Number: 4 Author: ATucker Subject: Highlight Date: 2025-10-30 3:41:13 PM
Metro Van learning can be used to develop SLRD program(s)

Number: 5 Author: swhite Subject: Highlight Date: 2025-10-31 2:07:26 PM
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Number: 6 Author: ATucker Subject: Highlight Date: 2025-10-30 3:41:48 PM

Number: 7 Author: swhite Subject: Highlight Date: 2025-10-31 2:07:34 PM
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Number: 8 Author: ATucker Subject: Highlight Date: 2025-10-30 3:41:57 PM

Number: 9 Author: swhite Subject: Highlight Date: 2025-10-31 2:07:40 PM
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Number: 10 Author: ATucker Subject: Highlight Date: 2025-10-30 3:42:02 PM

Number: 11 Author: swhite Subject: Highlight Date: 2025-10-31 2:07:42 PM
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Number: 12 Author: ATucker Subject: Highlight Date: 2025-10-31 8:09:28 AM
The larger the programs are in Metro Van is the more competition there could be reducing potential costs to less urban areas.

Number: 13 Author: swhite Subject: Highlight Date: 2025-10-31 2:07:51 PM
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Number: 14 Author: ATucker Subject: Highlight Date: 2025-10-30 3:42:38 PM

Number: 15 Author: swhite Subject: Highlight Date: 2025-10-31 2:08:33 PM
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Number: 16 Author: ATucker Subject: Highlight Date: 2025-10-30 3:42:54 PM

Number: 17 Author: swhite Subject: Highlight Date: 2025-10-31 2:08:53 PM
•

Number: 18 Author: ATucker Subject: Highlight Date: 2025-10-31 8:10:02 AM
This could be expanded to less urban areas

Number: 19 Author: swhite Subject: Highlight Date: 2025-10-31 2:08:57 PM
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Number: 20 Author: swhite Subject: Highlight Date: 2025-10-31 2:09:01 PM
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Number: 21 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:29:25 PM
there is definitively a need for more recycling opportunities

Number: 22 Author: ATucker Subject: Highlight Date: 2025-10-31 8:10:54 AM
there needs to be more book recycling opportunities for this to work.

Number: 23 Author: swhite Subject: Highlight Date: 2025-10-31 2:09:06 PM
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Comments from page 6 continued on next page

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Number: 24 Author: swhite Subject: Note Date: 2025-10-31 2:10:07 PM

Not 100% clear on what ID051 means - "through education"? Is the action educating libraries? Or is it setting up a reuse/recycling system (which would probably be more effective)

Number: 25 Author: ATucker Subject: Highlight Date: 2025-10-30 3:43:33 PM

Number: 26 Author: swhite Subject: Highlight Date: 2025-10-31 2:10:18 PM

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Number: 27 Author: ATucker Subject: Highlight Date: 2025-10-30 3:43:39 PM

Number: 28 Author: swhite Subject: Highlight Date: 2025-10-31 2:10:22 PM

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- ID059 Support community-based waste reduction and reuse programs for schools, non-profit organizations, and community groups.
- ID166 Support increasing the size, number and frequency of repair and reuse events around the region.
- ID058 Facilitate more community-based solutions like buy-nothing groups and shared fridges.
- ID086 Work with multi-family buildings to increase donation collection options for reusable streams such as clothing and books.
- ID061 Foster the development of a network that connects independently operated, non-profit and community based reuse and repair initiatives.

3.6. Scale efforts to recover food

- ID067 Maintain and scale the regional food recovery network.
- ID068 Continue to share results of food recovery initiatives across Metro Vancouver and look at ways to foster cross-department collaboration on food security.
- ID069 Further map out food recovery assets/food waste solutions per stage of the food supply chain, including a focus on clarifying what foods can be donated to people and animals.
- ID087 Work with industry experts and food related sectors to develop a practical guide to measuring and reporting food waste reduction efforts to facilitate development of a complete set of food recovery data for the region.
- ID071 Work toward getting a complete set of food recovery data for the region, and consider incentives to encourage reporting.

3.7. Encourage and celebrate residents and businesses that prioritize reuse and refill practices

- ID078 Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.
- ID076 Provide education for residents on affordable actions they can take to prevent waste through everyday activities.
- ID077 Promote bring your own cups and bags and other reusable items, including fun new elements and co-developed messaging that resonates with residents with a diversity of cultures and values.
- ID089 Develop and implement an annual recognition program to celebrate businesses in the region for reuse, refill, and repair programs and initiatives.

4.0 RECYCLE

Page: 7

Number: 1 Author: ATucker Subject: Highlight Date: 2025-10-30 4:56:58 PM
develops waste awareness or future waste managers

Number: 2 Author: swhite Subject: Highlight Date: 2025-10-31 2:11:03 PM
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Number: 3 Author: ATucker Subject: Highlight Date: 2025-10-30 4:58:57 PM

Number: 4 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:31:42 PM
definitely a good way to prevent items going to landfill and to teach repairing. There is also a need to advocate for items to be build to be easily repair and not be made to be landfilled

Number: 5 Author: swhite Subject: Highlight Date: 2025-10-31 2:11:06 PM
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Number: 6 Author: ATucker Subject: Highlight Date: 2025-10-30 4:59:19 PM

Number: 7 Author: swhite Subject: Highlight Date: 2025-10-31 2:11:41 PM
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Number: 8 Author: swhite Subject: Highlight Date: 2025-10-31 2:11:51 PM
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Number: 9 Author: ATucker Subject: Highlight Date: 2025-10-31 8:12:27 AM
steps they take could be applied in the SLRD although reduced population density within the SLRD may limit the same opportunities

Number: 10 Author: swhite Subject: Highlight Date: 2025-10-31 2:11:56 PM
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Number: 11 Author: ATucker Subject: Highlight Date: 2025-10-31 8:13:35 AM
this may help connect farmers with social service groups. Is this working already within the SLRD or could it be made better through improved mapping?

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 2:12:04 PM
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Number: 13 Author: ATucker Subject: Highlight Date: 2025-10-30 4:59:56 PM

Number: 14 Author: swhite Subject: Highlight Date: 2025-10-31 2:13:13 PM
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Number: 15 Author: ATucker Subject: Highlight Date: 2025-10-30 5:00:03 PM

Number: 16 Author: swhite Subject: Highlight Date: 2025-10-31 2:13:17 PM
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Number: 17 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:35:36 PM
with the amount of residents moving and visiting Metro Van and the SLRD this is definitely important

Number: 18 Author: ATucker Subject: Highlight Date: 2025-10-31 8:14:18 AM
This could be helpful for resort communities.

Number: 19 Author: swhite Subject: Highlight Date: 2025-10-31 2:13:29 PM
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Number: 20 Author: ATucker Subject: Highlight Date: 2025-10-30 5:00:25 PM

Number: 21 Author: ATucker Subject: Highlight Date: 2025-10-31 8:14:32 AM

Number: 22 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:36:39 PM
this is great; the SLRD hasn't been able to do it, but we would like to learn from metro Van on the path to do it

Comments from page 7 continued on next page

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4.0 RECYCLE

Number: 23 Author: ATucker Subject: Highlight Date: 2025-10-30 5:00:37 PM

Number: 24 Author: swhite Subject: Highlight Date: 2025-10-31 2:13:48 PM

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4.1. Promote design for recyclability and the use of recycled content in products and packaging

- ID112 Enhance partnerships with the provincial government, industry, academia, and community groups to research and develop solutions to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.
- ID113 Work with national plastics waste reduction organizations and others to understand and address barriers to increased recycled content in plastic products and packaging.
- ID109 Research and advocate for improvements to the recyclability of plastic-lined paper products such as coffee cups.
- ID111 Support recycling markets by purchasing recycled products including compost.
- ID110 Continue to work with engineering design and construction organizations to update concrete and asphalt specifications to include recycled content and educate engineers and road builders on how to successfully increase recycled content.

4.2. Enhance EPR programs

- ID116 Identify and advocate for additional materials to be added to extended producer responsibility programs such as non-residential packaging without readily available markets, and challenging materials such as mattresses.
- ID118 Advocate for full funding of producer responsibility programs and the expansion of residential-only programs to small businesses.
- ID119 Advocate for accelerated deployment of direct collection of an expanded suite of materials including film plastic and foam.
- ID121 Advocate for expanded recycling drop-off options for materials such as household hazardous waste, considering mobile options to improve convenience and accessibility.
- ID120 Advocate for consistency in extended producer responsibility programs, labelling requirements, and enforcement of greenwashing regulations to reduce “what goes where” confusion.
- ID064 Encourage collection programs which reduce barriers for recycling large items.
- ID117 Continue to participate in BC product steward engagements and provide feedback on potential improvements to existing programs and the development of new programs.

4.3. Encourage the development of new recycling infrastructure

- ID044 Advocate for federal and provincial government funding programs to scale recycling infrastructure and innovation for challenging materials such as food for

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Number: 1 Author: ATucker Subject: Highlight Date: 2025-10-30 5:01:41 PM

Number: 2 Author: swhite Subject: Highlight Date: 2025-10-31 2:15:40 PM

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Number: 3 Author: ATucker Subject: Highlight Date: 2025-10-30 5:02:27 PM

higher recycled content means recyclables have higher value relative to virgin material

Number: 4 Author: swhite Subject: Highlight Date: 2025-10-31 2:15:44 PM

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Number: 5 Author: ATucker Subject: Highlight Date: 2025-10-31 8:15:33 AM

they should push more reusable cup usage

Number: 6 Author: ATucker Subject: Highlight Date: 2025-10-30 5:03:03 PM

creates a market for recycled products that may not exist today.

Number: 7 Author: swhite Subject: Highlight Date: 2025-10-31 2:15:57 PM

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Number: 8 Author: ATucker Subject: Highlight Date: 2025-10-30 5:03:38 PM

This is happening now but the science could be expanded on.

Number: 9 Author: swhite Subject: Highlight Date: 2025-10-31 2:16:03 PM

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Number: 10 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:43:40 PM

EPR programs are the key to get the materials being properly recycled, and so across BC. Advocacy is very important and advocating for small business to be part of those programs is crucial to improve recycling

Number: 11 Author: ATucker Subject: Highlight Date: 2025-10-30 5:05:05 PM

markets will evolve if a constant predicable amount of material is recovered for recycling

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 2:16:14 PM

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Number: 13 Author: ATucker Subject: Highlight Date: 2025-10-30 5:05:40 PM

This reduces cost burdens to LG's

Number: 14 Author: swhite Subject: Highlight Date: 2025-10-31 2:16:21 PM

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Number: 15 Author: ATucker Subject: Highlight Date: 2025-10-30 5:06:38 PM

We need the Province to eliminate these materials or create a recovery program that is not funded by LG's

Number: 16 Author: swhite Subject: Highlight Date: 2025-10-31 2:16:27 PM

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Number: 17 Author: ATucker Subject: Highlight Date: 2025-10-30 5:07:19 PM

This would reduce the risk of pollutants being released into the environment and would reduce the risk of fire at collection points.

Number: 18 Author: swhite Subject: Highlight Date: 2025-10-31 2:16:35 PM

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Number: 19 Author: swhite Subject: Note Date: 2025-10-31 2:17:32 PM

I would add that this should include advocacy for HHW Events to be covered by EPR organizations, or subsidized by someone other than local governments.

Number: 20 Author: ATucker Subject: Highlight Date: 2025-10-30 5:10:17 PM

Number: 21 Author: swhite Subject: Highlight Date: 2025-10-31 2:16:46 PM

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Number: 22 Author: ATucker Subject: Highlight Date: 2025-10-30 5:10:25 PM

Number: 23 Author: swhite Subject: Highlight Date: 2025-10-31 2:17:56 PM

Comments from page 8 continued on next page

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Number: 24 Author: ATucker Subject: Highlight Date: 2025-10-30 5:10:33 PM

Number: 25 Author: swhite Subject: Highlight Date: 2025-10-31 2:17:50 PM

Number: 26 Author: ATucker Subject: Highlight Date: 2025-10-30 5:10:50 PM

Number: 27 Author: swhite Subject: Highlight Date: 2025-10-31 2:18:01 PM

remanufacturing, anaerobic digestion feedstock, wood waste, carpet, and plastic-lined paper products.

- ID122 Identify gaps in organics collections programs and work collaboratively to implement or improve existing collection and processing programs.
- ID123 Explore opportunities to facilitate the siting of private sector recycling activities.
- ID124 Convene recycling industry and member jurisdictions to get their perspective on how to continue to maintain and increase recycling infrastructure that services the region.

4.4. Improve participation in green bin programs and alternatives for multi-family residents and businesses

- ID126 Identify and implement pilots and technology research that could advance and improve organics recycling in the commercial/institutional sector.
- ID125 Review provision of green bins for non-residential properties and work collaboratively to increase participation in non-residential organics programs.
- ID128 Determine what role, if any, compostable plastics can play in organics management systems.
- ID127 Continue to provide tools and tips to residents to reduce odours and "yuck factor" with green bins.

4.5. Make recycling easier and more effective by reducing confusion and improving convenience

- ID142 Facilitate development of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.
- ID131 Improve access to textile donation and recycling collection services.
- ID140 Support knowledge sharing of space and access requirements for multi-plex units (six units or less).
- ID133 Explore the development of a signage standard and customizable tool to help reduce confusion about what goes in each bin, based on the most common items collected.
- ID132 Recognize and reward those who recycle well so others are inspired to follow their example.
- ID135 Provide clear, consistent guidelines on what can and cannot be recycled.
- ID138 Review multi-family residential waste and recycling container space and access guidelines, including determining if the guidance needs to account for increased amounts of material or additional types of materials.
- ID134 Centralize information sources to make it consistent and easier for the public to find information and look for resources.

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Number: 1 Author: ATucker Subject: Highlight Date: 2025-10-30 5:11:27 PM
need more quality compost facilities

Number: 2 Author: swhite Subject: Highlight Date: 2025-10-31 2:18:12 PM
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Number: 3 Author: ATucker Subject: Highlight Date: 2025-10-30 5:11:58 PM

Number: 4 Author: swhite Subject: Highlight Date: 2025-10-31 2:18:23 PM
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Number: 5 Author: ATucker Subject: Highlight Date: 2025-10-30 5:12:27 PM

Number: 6 Author: swhite Subject: Highlight Date: 2025-10-31 2:18:34 PM
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Number: 7 Author: ATucker Subject: Highlight Date: 2025-10-30 5:13:23 PM
Food related packaging that composts would reduce the amount of water used to rinse out container for recycling.

Number: 8 Author: ATucker Subject: Sticky Note Date: 2025-10-30 5:13:59 PM
lots of great info exists today.

Number: 9 Author: ATucker Subject: Highlight Date: 2025-10-31 8:16:31 AM
Metro Van could develop a system then advocate for its use within BC

Number: 10 Author: swhite Subject: Highlight Date: 2025-10-31 2:19:01 PM
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Number: 11 Author: ATucker Subject: Highlight Date: 2025-10-31 8:16:53 AM
along with advocacy

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 2:19:04 PM
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Number: 13 Author: swhite Subject: Highlight Date: 2025-10-31 2:19:14 PM
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Number: 14 Author: swhite Subject: Highlight Date: 2025-10-31 2:19:21 PM
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Number: 15 Author: swhite Subject: Highlight Date: 2025-10-31 2:19:20 PM

Number: 16 Author: ATucker Subject: Highlight Date: 2025-10-31 8:17:05 AM

Number: 17 Author: LebMar Subject: Highlight Date: 2025-10-31 4:44:50 PM

Number: 18 Author: swhite Subject: Highlight Date: 2025-10-31 2:19:35 PM
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Number: 19 Author: ATucker Subject: Highlight Date: 2025-10-31 8:17:22 AM

Number: 20 Author: swhite Subject: Highlight Date: 2025-10-31 2:20:10 PM
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- ID136 Work with businesses and recycling depots across the region to work towards streamlining the types of materials accepted where practical.
- ID137 Study sorting and disposal habits in busy public spaces and test different interventions to reduce contamination and litter.

4.6. Target recycling education

- ID144 Develop educational resources for businesses, including large waste generators, small and medium sized enterprises, and ethnocultural businesses.
- ID146 Develop educational resources for people to reduce waste when they are hosting a large gathering.
- ID145 Explore collaborations with non-profits organizations to support better education and sorting in apartment buildings.
- ID147 Improve awareness and access to existing environmental advisors that provide regional waste reduction information services.
- ID148 Expand appeal of recycling messaging by working with artists and community influencers to develop messaging to inspire and motivate people to recycle.
- ID151 Gamify recycling and reduction education.
- ID152 Collaborate on the development of how to recycle videos to improve community pride and accuracy of recycling.
- ID143 Work with producer responsibility organizations, industry groups and member jurisdictions to better educate residents on options for emerging and challenging materials.
- ID150 Research and target the most confusing items for residents that are often incorrectly sorted.
- ID129 Promote and educate residents on worm bins and backyard composting.
- ID154 Work with member jurisdictions and other recycling collectors to pilot technologies such as optical AI contamination detection systems to provide education on proper waste sorting requirements.
- ID149 Host industry specific dialogues to better understand and co-solve recycling and waste prevention challenges.
- ID103 Develop and deploy improved education for multi-family residents.
- ID153 Work on understanding recycling data and challenges in specific commercial sectors such as events, film, tourism, food service, and health care.

4.7. Increase transparency of what happens to materials from recycling and green bin programs

- ID157 Facilitate public tours of recycling facilities so that residents can see what happens to their materials.

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Number: 1 Author: ATucker Subject: Highlight Date: 2025-10-31 8:17:31 AM

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Number: 3 Author: ATucker Subject: Highlight Date: 2025-10-30 5:15:37 PM

Number: 4 Author: swhite Subject: Highlight Date: 2025-10-31 2:20:30 PM

Number: 5 Author: ATucker Subject: Highlight Date: 2025-10-31 8:17:42 AM

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along with determining collection space requirements

Number: 8 Author: swhite Subject: Highlight Date: 2025-10-31 2:22:50 PM

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make it more fun.

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 2:23:00 PM

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Number: 15 Author: ATucker Subject: Highlight Date: 2025-10-30 5:17:35 PM

Number: 16 Author: swhite Subject: Highlight Date: 2025-10-31 2:23:15 PM

Number: 17 Author: ATucker Subject: Highlight Date: 2025-10-31 8:18:38 AM

Number: 18 Author: swhite Subject: Highlight Date: 2025-10-31 2:23:22 PM

Number: 19 Author: swhite Subject: Highlight Date: 2025-10-31 2:23:34 PM

Number: 20 Author: ATucker Subject: Highlight Date: 2025-10-30 5:17:59 PM

Number: 21 Author: swhite Subject: Highlight Date: 2025-10-31 2:23:41 PM

Number: 22 Author: ATucker Subject: Highlight Date: 2025-10-30 5:18:08 PM

Number: 23 Author: swhite Subject: Highlight Date: 2025-10-31 2:24:00 PM

Comments from page 10 continued on next page

- ID156 Increase transparency of which organizations are handling which materials.
- ID159 Show where waste goes and how it's processed to provide more transparency in the recycling system.
- ID158 Facilitate adding what happens to material in recycling option databases.

4.8. Prevent litter and illegal dumping through public space recycling initiatives

- ID175 Explore more community waste, recycling and reuse drop-off events.
- ID176 Support community clean-up initiatives.
- ID174 Enhance litter and illegal dumping data.
- ID178 Review approaches in other jurisdictions to reduce illegal dumping
- ID177 Research the impacts of improperly managed waste on wildlife.

5.0 RECOVER

5.1. Recover materials and energy from non-recyclable materials

- ID169 Collect dimensional lumber not suitable for reuse or recycling to process into fuel to replace fossil fuels in applications such as district energy and other decentralized heating and agricultural/industrial systems.
- ID172 Advocate for and explore the potential for piloting technologies that can convert construction and demolition wood waste into energy and fuel such as: electricity, aviation fuel or hydrogen, biomass/biocoal.
- ID168 Share information with respect to construction and demolition waste characteristics and quantities to support investigations into the potential to recover materials from non-recyclable construction and demolition waste.
- ID171 Continue to pursue processing of small load waste to recover non-recyclable wood and other materials.
- ID170 Encourage diversion of non-recyclable construction and demolition waste to recover recyclables and alternative fuels in facilities with advanced environmental protection systems such as cement plants.
- ID179 Continue to pursue the beneficial use of bottom ash from the Waste-to-Energy Facility in cement plants.

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Number: 1 Author: ATucker Subject: Highlight Date: 2025-10-30 5:18:22 PM

Number: 2 Author: swhite Subject: Highlight Date: 2025-10-31 2:24:08 PM

Number: 3 Author: ATucker Subject: Highlight Date: 2025-10-30 5:18:27 PM

Number: 4 Author: swhite Subject: Highlight Date: 2025-10-31 2:24:11 PM

Number: 5 Author: ATucker Subject: Highlight Date: 2025-10-31 8:19:03 AM

Number: 6 Author: swhite Subject: Highlight Date: 2025-10-31 2:24:16 PM

Number: 7 Author: LebMar Subject: Sticky Note Date: 2025-10-31 4:48:15 PM

Understanding of litter and illegal dumping on wildlife and environment with the advocacy of improving recycling programs is important. Metro Van could advocate to improve resources to CO's as illegal dumping on crown land are very often left due to lack of resources impacting RD's and municipalities surrounding

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Number: 11 Author: ATucker Subject: Highlight Date: 2025-10-30 5:19:11 PM

Number: 12 Author: swhite Subject: Highlight Date: 2025-10-31 2:24:37 PM

Number: 13 Author: ATucker Subject: Highlight Date: 2025-10-30 5:19:23 PM

Number: 14 Author: swhite Subject: Highlight Date: 2025-10-31 2:24:51 PM

Number: 15 Author: swhite Subject: Highlight Date: 2025-10-31 2:24:54 PM

Number: 16 Author: ATucker Subject: Highlight Date: 2025-10-31 7:46:04 AM

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Number: 18 Author: ATucker Subject: Highlight Date: 2025-10-31 7:46:17 AM

Number: 19 Author: swhite Subject: Highlight Date: 2025-10-31 2:25:08 PM

Number: 20 Author: swhite Subject: Highlight Date: 2025-10-31 2:26:09 PM

From: Izzie Abrams <izzie.abrams@wasteconnections.com>
Date: Friday, October 31, 2025 at 9:19 AM
To: zerowaste@metrovan.org <zerowaste@metrovan.org>
Cc: Dimitri Pantazopoulos (dimitri@yorkvillestrategies.com) <dimitri@mapleleafstrategies.com>, Hodge, Craig <CHodge@coquitlam.ca>
Subject: <no subject>

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Re: Metro Vancouver Solid Waste Management Plan (SWMP)

Over the past three years, Waste Connections has been a constructive participant in developing the draft Solid Waste Management Plan. Throughout this process, we have emphasized that the private sector is, and should remain, an essential component of a world-class waste management and recycling system.

Based on the direction given to the Industry Advisory Committee, it appears Metro Vancouver intends to further consolidate waste and recycling operations under direct public control. This approach would impose significant costs and risks on Metro Vancouver ratepayers.

We were disappointed to see that Metro Vancouver staff removed from consideration the proposal to **"Privatize the regional solid waste system."** During committee discussions, numerous participants suggested variations on this idea, including:

1. Allowing private operators to accept waste and pay a discounted generator levy.
2. Permitting off-site or out-of-region processing.
3. Enabling private development of infrastructure under Metro's regulatory oversight.
4. Avoiding public investment in facilities that can be delivered by private capital.
5. Selling Metro Vancouver facilities to qualified private operators.
6. Increasing system capacity by incentivizing new licensed private facilities.

While views may differ on some of these points, none should have been dismissed outright. A transition to a privately operated system, under strong Metro Vancouver and Ministry of Environment regulation, could eliminate the need for over **$340 million in planned capital spending and $295 million in new borrowing over the next five years** (source: GVS&DD Capital Portfolio Budget, p. 23). Moreover, selling existing Metro Vancouver assets—landfills, transfer stations, and other facilities—could generate hundreds of millions in proceeds to reduce debt and strengthen the region's financial position.

Rejecting an option that could materially reduce taxpayer burden without a thorough cost–benefit review is, frankly, irresponsible.

At a recent Industry Advisory Committee meeting, staff stated that privatization was dismissed because no examples of similar systems were provided. In reality, almost every jurisdiction in North America successfully operates under regulated systems with private operators. This includes Washington State and Oregon, where Metro Vancouver has signed "standby contracts" with landfill facilities. The notion that lack of examples justifies dismissal is a red herring—many other proposals advanced for further study have less precedent.

There are several deficiencies in the staff rationale, including:

1. **Absence of cost–benefit analysis.**
   Staff claim that public ownership ensures "reliable and resilient" service but provide no comparative data on system costs, efficiency, or innovation potential. With over $340 million in capital expenditures planned, rejecting privatization without evaluating its potential financial advantages leaves Metro Vancouver ratepayers exposed to unnecessary cost.

2. **Overstated compliance argument.**
   The report suggests that only public ownership can ensure compliance with disposal bans. These standards are already enforceable through bylaws and provincial regulations. Many private operators across Canada comply effectively under regulatory oversight.

3. **Missed innovation and capital leverage.**
   Private operators frequently lead in technology adoption—such as optical sorting, anaerobic digestion, and smart collection routing. In fact, our company is currently implementing large-scale artificial intelligence and robotics to improve efficiency and outcomes. This will result in reduced cost and better management of scarce resources, such as landfill capacity utilization. Metro Vancouver has implemented many of these technologies long after private-sector companies in other jurisdictions did. Excluding private participation foregoes the co-investment and innovation incentives that drive circular-economy advancement.

4. **Unaddressed risk allocation.**
   Public ownership concentrates operational risk—cost overruns, equipment failures, contamination—on taxpayers. A regulated private model would transfer those risks to operators, while maintaining public oversight and accountability.

5. **Institutional bias.**
   The staff position appears to protect existing institutional interests rather than evaluate policy options objectively. Privatization warrants at least equal consideration to the many less practical concepts still under review.

Metro Vancouver's rationale rests on untested assumptions. A regulated private system can deliver the same reliability and environmental compliance while reducing financial exposure and stimulating innovation. We urge Metro Vancouver to reconsider this approach and allow a comprehensive, evidence-based assessment of regulated private delivery models within the Solid Waste Management Plan.

Respectfully,

Izzie Abrams
Vice President, Government & External Affairs

T: 905-532-7532 | F: 905-532-7580 | C: 416-464-4931
Waste Connections of Canada | 6220 Hwy 7, Suite 600 | Woodbridge, Ontario, L4H 4G3
www.WasteConnectionsCanada.com



From: Stephanie Liu
Sent: November 4, 2025 10:52 AM
To: 'Kendall Christiansen'
Subject: RE: Draft SWMP - Comments/Responses

Hi Kendall,

Great to hear from you. The November Zero Waste Committee report is an interim report and only highlights feedback from the two advisory committees (Public/Technical Advisory Committee and Industry Advisory Committee). The rest of feedback from Options Analysis, including the community events, meetings, and collaborative engagement sessions such as the ones you attended, will be included in the more fulsome analysis and engagement summary. With engagement closing just last Friday on October 31, we are currently working through all of the data and feedback.

Hope this helps to clarify. In addition I can include your email below as an email submission as part of this phase's feedback.

Thank you,

Stephanie

Stephanie Liu
Program Manager, Community Engagement
Solid Waste Services
c. 778-938-8932
metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Kendall Christiansen <kendall@gaiastrategies.com>
Sent: Tuesday, November 4, 2025 10:18 AM
To: Stephanie Liu <Stephanie.Liu@metrovancouver.org>
Subject: Draft SWMP - Comments/Responses

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Stephanie

Last week I did manage to participate in one of the two CWMA-sponsored engagement sessions.

This week I just reviewed the ZWC agenda for Thursday, and the links to the additional SWMP-related materials, including the listing of comments and responses to them.

Unless I missed something, I didn't see any explicit reference to the suggestions we offered about the expanded use of in-sink food waste disposers in the region's toolkit, especially for multi-residential buildings – as an important complement to the green-bin system. Of course, we hope it was favorably considered – but also want to make sure it didn't just disappear.

Did I miss something?

I'm working on a comment about the lack of consideration of co-digestion in both the Liquid and Solid Waste Plans. It's a pretty hot topic for water resource recovery facilities – with growing adoption of co-digestion as a means of using excess capacity in existing anaerobic digesters for processing pre-slurried foo waste from both commercial and residential sources.

Attached are presentations from two recent webinars – one produced by the Northeast Recycling Council (NERC) and one by NEBRA (the Northeast Biosolids and Residuals Association); over the past decade an extensive library of technical research and best practice reports about co-digestion has been developed.

I'll forward my comment – and these presentations – to your liquid waste colleagues.

But welcome your insight into whether co-digestion received any attention or not in your inter-departmental planning discussions.

Thanks very much.

Kendall

--
Kendall Christiansen
Gaia Strategies
151 Maple Street
Brooklyn, NY 11225
cell: 917.359.0725
kendall@gaiastrategies.com

From: Sue Maxwell [redacted]
Sent: Wednesday, November 5, 2025 10:51 AM
To: Paul Henderson <Paul.Henderson@metrovancouver.org>
Cc: michael.Wolfe@richmond.ca; clrzhou@vancouver.ca; pietro.calendino@burnaby.ca; Rosemary Wallace <rwallace@langleycity.ca>; Steve Darling <darlings@portcoquitlam.ca>; Craig Hodge <CHodge@coquitlam.ca>; Sarah.Kirby-Yung@vancouver.ca; muril@dnv.org; paul.weverink@anmore.com; sferguson@tol.ca; mayor@surrey.ca; Doug Elford <doug.elford@surrey.ca>
Subject: Regarding the Oct 29th letter title Errors and Misinformation...

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Mr Henderson,
Please find our response attached. I am copying the Zero Waste Committee as I see this is part of their meeting package for tomorrow.

Sincerely,

Sue Maxwell
Chair, Zero Waste BC
smaxwell@zerowastebc.ca
604-734-4046
www.zerowastebc.ca

Zero Waste BC is a non-profit society that has been championing Zero Waste since 2008 with a mission to drive systemic change towards Zero Waste in BC.

I humbly acknowledge that the land on which I live, work and play is in the unceded territories of the Skwxwú7mesh (Squamish) and Lil'wat7úl (Lil'wat) peoples.

Nov 5, 2025

Paul Henderson,
General Manager, Solid Waste Services
Metro Vancouver
Via Email: Paul.Henderson@metrovancouver.org
Cc: Zero Waste Committee, Public Technical Advisory Committee, Independent Engagement Panel

This letter responds to the claims made in the letter from Paul Henderson dated October 29th, 2025. The response below is organized by the sections of that letter with summary information at the end.

1. Disposal tonnage

Metro Vancouver states *" Zero Waste BC assumes that there is additional capacity at the Vancouver Landfill that could accommodate garbage currently managed at the Waste-to-Energy Facility based on unrealistic projections of the amount of waste requiring disposal under all scenarios*."

The purpose of the analysis was to be able to adjust the levels to see what the outcomes would be under different scenarios. The Vancouver Landfill is allowed to accept 750,000 tonnes per year though the highest shown in Metro Vancouver reports in the past years was 699,555 tonnes in 2021. Our scenario calculations used both 750,000 tonnes and 700,000 tonnes as options and show the additional waste going to external landfills (which is costed in two ways - Metro Vancouver disposal costs and using RFP data for another community). The scenarios factor in a level of waste reduction which can also be adjusted.

2. Cost Implications of Additional Contingency Disposal

Metro Vancouver claims "*Zero Waste BC includes in their analysis cost estimates for both the Vancouver Landfill and contingency disposal that are fabricated*". Zero Waste BC has been requesting details regarding how Metro Vancouver is calculating the disposal costs in order to compare it to the actual line items in the publicly available financial plans since 2024, through ongoing emails, at meetings including an August 27th meeting, and again at the Oct 3rd Public Technical Advisory Committee meeting. Though a little more information has been provided, it is inadequate to fully compare the calculation of these numbers in a way that shows transparently where all of the costs come from and how it translates to the financial plan.

We have discussed this analysis with several industry experts and they agree that adding in the costs of the recycling and waste centres when looking at disposal does not make sense when deciding future disposal options for the region as these are required regardless. To determine realistic figures we used disposal costs only and did scenarios with both the less realistic Metro

Vancouver estimates for disposal costs[1] as well as the calculated costs or those seen in public bids. The scenarios show that the higher the external landfill costs are, the better the business case for more rapid advancement of zero waste strategies. The lower they are, the more savings accrue from closing the incinerator.

We agree that economies of scale would reduce the contingency disposal costs and it is this kind of information that we recommend that Metro Vancouver seek (such as through a Request for Quotes) as part of responsible solid waste management planning. In addition there should be a thorough assessment of the maintenance, upgrade and future plans for the waste to energy facility to fully understand the estimated costs to keep this facility running. The recent request to the BC Utilities Commission for an exemption from parts of the *Utilities Commission Act* to connect energy to the City of Burnaby includes language around rebuilding and replacement of the incinerator and a contract length of up to 50 years. For this reason, it is also important to determine the costs and timing if the facility were to be rebuilt and to make this public. Now is the time to provide this information before any further decisions are made that lock Metro Vancouver into continuing with this facility and to ensure elected decision makers have all of the facts.

Regarding costs noted for customers currently using the incinerator for materials not currently suitable for disposal at other solid waste facilities, it is concerning that materials from health care facility waste, international waste, customs seizures, police seizures, and others are going to the incinerator. The incinerator was not designed for hazardous waste nor has the public been asked about a change to burn hazardous materials. These materials should be going to locations designed for managing hazardous wastes (which may or may not include incineration as there are non-burning methods for managing most types of hazardous materials). These higher costs also act as a driver for design change rather than subsidizing poor waste management. It should be clarified that there is no reason for regular waste coming from a health care facility to go to an incinerator and instead should be managed as regular municipal waste. Not requiring it to go to only one location would allow the health authorities to save money on their waste management contracts as haulers can then include facilities in their regular route planning and take it to the most convenient location. Overall, all customers costs can be saved by closing the incinerator and actively pursuing zero waste.

[1] ZWBC could not determine how the "disposal only" costs for the Vancouver Landfill were determined given the numbers in the landfill operating costs budget line and the number of tonnes; the waste to energy disposal costs were artificially low again compared to the WTE operating costs line item or the Veolia contract announcement; the costs of external landfill far exceeded publicly available bid numbers and even those would be high as they did not included economies of scale if bids for higher volumes were used.

ZERO waste
BRITISH COLUMBIA

3. Costs of Waste Reduction

Though Metro Vancouver is not the leader in waste reduction[2], the numbers do show that waste has decreased since the last solid waste management plan was drafted. Our case study used an average of $4 million per year spent on actions that could help zero waste (this assumes that 100% of staff time and work under the line items for Policy and Facility Development, ZW Implementation, Programs and Public Involvement/Community Engagement and the Sustainability Fund (til 2014) was directed only to reducing waste) for the 11 years of 2010-2020 to get a sense of what could be accomplished. If a 2.2 % annual decrease in waste could be accomplished over those years with that funding and also the distraction of trying to build a new incinerator at a cost of at least $2.5 million and a lesser effort at waste reduction then we think that spending $10 million more a year and actually trying to reduce the waste should be able to accomplish more such as the 5% reduction we included in the analysis. However, the financial analysis spreadsheet does allow the option to change the reduction levels to see what the outcomes are as a planning tool, which is what it is intended as. ZWBC is recommending additional funds be spent on reducing waste and the reduced total costs come from the ensuing reduction in garbage. Yes, our case study also showed that costs to reduce waste are far less than costs to dispose of garbage which is why it is so important to actually reduce the waste in order to get the savings.

The Public Technical Advisory Committee has already provided a detailed list of numerous suggestions for how waste can be reduced (in particular from the three working groups looking at plastics, organics and construction and deconstruction waste). Zero Waste BC also provided a list of actions stemming from engagement conducted on behalf of Metro Vancouver in the Ideas Generation phase of planning. Metro Vancouver itself has commissioned at least three consultant's reports (construction and demolition waste reduction potential, how to decrease waste in multifamily buildings, best practices for 3Rs -reduce, reuse, recycle) but has not released the results publicly and it is unclear if it has implemented recommendations or if they influenced the solid waste management planning. Going forward, Metro Vancouver needs to set more aggressive targets on waste reduction and actively work towards them, in partnership with others. Using taxpayer funds to generate reports that appear to be unused nor shared is a waste of money.

4. Metro Vancouver's Investments in Waste Reduction and Recycling

When the Case Study was developed, there was only the budget line items for Policy and Facility Development, ZW Implementation, Programs and Public Involvement/Community Engagement and the Sustainability Fund (until 2014) as noted above and an additional line for the Transfer Station system (which the budget item was renamed the Recycling and Waste

[2] In fact many jurisdictions are progressing far more than Metro Vancouver and have been more ambitious in their goals and actions to reduce waste. In fact at least 5 regional districts in BC are producing less waste per capita (2022 provincial data) including 3 with populations over 100,000. There are stronger goals for the Capital Regional District (CRD) and the Regional District of Nanaimo (RDN) with a per capita target of RDN of 0.109 tonnes/yr by 2027 or CRD of 0.125 tonnes/yr. San Francisco has better zero waste policies, for example.

Centre for 2022 which was after the case study was completed). The purpose of the case study was to look at what had changed since the adoption of the 2011 solid waste management plan. The budget for the Transfer Stations/Recycling and Waste Centres has increased over time but from the publicly released data, it is unclear what portion is related to new programs to reduce waste and what is just the incremental cost changes as the cost of doing business has increased. According to publicly available data the mattress ban started in 2011 and the following year the Transfer Station costs were $2.1 Million more than 2011 but only $0.8 million more than 2010. It is assumed that Metro Vancouver would have started to receive revenue for the recycling costs associated with the Recycle BC program in 2014, which should have further decreased recycling costs. In 2024, we had specifically requested that the costs for all recycling be separated out and Paul Henderson had replied in an email March 24, 2025 that "Recycling is a core element of these facilities and as such excluding the costs from the overall cost of the facilities would not be appropriate. Additionally, many of the materials you note are paid recyclables or generate revenues through product stewards and as such the net cost of these activities is not material compared to the overall cost of operation of the facilities." Further, we were told "You suggest including the cost of waste reduction in Metro Vancouver's annual financial reporting and comparing that to disposal costs. As you are aware, many parties are engaged in waste reduction and recycling sharing benefits and costs. Metro Vancouver does not have information with respect to the cost or benefit to individual entities of reducing waste. .... Metro Vancouver's information with respect to costs and revenues are centred on the costs and revenues related to our facilities and our actions to encourage waste reduction." The case study was intended to show what costs could be seen from the publicly available data and to request that for the solid waste planning process, that Metro Vancouver conduct its own analysis to inform the process.

We appreciate the additional information on waste reduction and recycling costs shown in the Nov 6, 2025 ZWC package. If we subtract the $17.75 million from the Recycling and Waste Centre costs (a portion of the $25 million) and then allocate the costs according to Metro Vancouver's method (with which we disagree), that would make the incinerator more expensive than the Vancouver landfill (and those costs do not include the very significant capital costs for the incinerator). The Nov 6, 2025 ZWC package does not outline the actual revenue generated from the recycling.

Requests for information

In conducting our research, we have repeatedly asked for more transparent information and worked with Metro Vancouver staff to ensure the information was correct. This includes:

- Nov 25, 2022 -Raising questions on the costs of the incinerator at a meeting with Paul Henderson and Brent Kirkpatrick
    - Response Jan 3, 2023 from Paul Henderson noting the disposal costs were being calculated and would be shared with us once completed.
- June 1, 2023 -Email to staff to understand how the total waste tonnages were calculated and what they included stemming from June 1 PTAC meeting

- Response June 2, 2023 from Paul Henderson outlining categories
- Ongoing emails -June 7 from ZWBC, reply from Paul Henderson June 7, reply from ZWBC July 3.

- August 7, 2023 -Email to Paul Henderson regarding offer to discuss tonnages and costs. Sent specific questions regarding disposal data and GHGs in Biennial report, capital costs and operating costs.
  - Response August 7th from Paul Henderson noting he was away and would reply.
  - Response Dec 8, 2023 from staff providing detailed answers on queries regarding waste stats and costs and noting process improvements based on the questions raised.
  - Response from ZWBC Dec 12 with follow up questions and reply from staff the same day noting they would look into it
  - Response from staff Dec 20 providing details on capital expenses
  - Response from ZWBC Dec 21 sharing updated spreadsheet to reflect the input from Metro Vancouver
- December 6, 2023 -Email to Paul Henderson that notes "I am attaching the spreadsheet that I used for the calculations for the presentation on Friday as we would be happy to add in more current data, edit any data that is incorrect or determine why there are discrepancies in reports/reporting systems".
- May 9, 2024 -presented the case study findings to the ZWC.
- Dec 13, 2024 -Meeting with staff to discuss data and changes made to spreadsheet based on staff information.
- Dec 13, 2024 -Email to Metro Vancouver Zero Waste Committee members in response to a report included in the September 2024 Zero Waste Committee agenda on the Waste-to-Energy Facility 2023 Financial Update raising several questions about how the disposal costs were calculated and what additional information would be helpful for decision makers and the public including requesting recycling costs be separated out, flagging the need to show capital costs for the future, asking for costing of zero waste actions, and asking for disposal costs for multiple years.
- Dec 13, 2024 -ZWBC feedback on proposed amended operational certificate for the incinerator regarding pollution levels and monitoring, GHGs, air quality, bottom ash, district energy, zero waste alternatives and costs
  - Response Dec 18 from Jerry Dubrovolny which noted the disposal costs in one line asserting waste to energy as the cheapest method but with no details on how this was determined. It did flag the incineration costs were to escalate by 20% in 5 years.
- January 20, 2025 -letter to Jerry Dobrovolny, in response to Metro Vancouver's response letter dated December 18, 2024 on Metro Vancouver's Waste-to-Energy Facility -reiterating requests for information as noted in the Dec 13 email to the ZWC
  - Response March 24, 2025 -Email from Paul Henderson responding to the Dec 13 and January 20th communications, with statements (but no detailed numbers) on costs. Continuing to assert that the costs per tonne are the same for the

Vancouver Landfill and the incinerator but with no details showing how the budget numbers relate to this assertion.

- March 20, 2025 -Sent an email to the Budget Engagement email (copied to Paul Henderson and the ZWC) requesting clarification on several budget items including how the incinerator management contract costs are reflected in the budget, why the budget line for contribution for closure reserves for landfills had been removed and where these costs were now allocated, and what incinerator capital cost projects had been completed versus what was new now that the details were no longer provided in the budget.
    - July 4, 2025 -Response from Paul Henderson regarding costs which note the contract for incineration management includes some capital costs but no details on how much and how this relates to a comparison of disposal costs. This email also appears to state that the landfill budget line would now cover Vancouver Landfill costs, external landfill costs, expenses for closed landfills and contributions to future landfill closure costs (which is why we acknowledge the disposal costs we calculated for the Vancouver Landfill looking forward are an overestimate due to the inclusion of the closed landfill costs and the combining of both Vancouver landfill and external landfill costs).
- July 7, 2025 Press release regarding findings of dioxins on a rooftop near the incinerator, including items on costs and GHGs.
    - July 11, 2025 -Email from Paul Henderson titled Erroneous Claims Related to the Metro Vancouver Waste-to-Energy Facility" regarding the press release. Regarding costs, the letter states "The Waste-to-Energy Facility is the least expensive option for managing residual waste available to Metro Vancouver. The cost is slightly less than disposal at the Vancouver Landfill, and half the cost of disposal in remote landfills located in central British Columbia, Washington, and Oregon."
    - In response, we added Metro Vancouver's claims to the press release page and pursued the meeting with staff that was offered.
- August 27, 2025 -in response to the last letter, our coalition met with Metro Vancouver staff (both from solid waste and air quality/climate departments). In this meeting, we requested evidence that any of the statements in the press release were not accurate to which we received none at that meeting, just a reassertion of previous statements by Metro Vancouver. Staff noted soil testing had been conducted in the past but it was determined that ongoing testing was not needed. A few additional details (similar to what was shown to the Zero Waste Committee) on the allocation of recycling and waste centre costs were provided but no meaningful details. We requested a spreadsheet connecting the dots from budget line items to how disposal costs were determined (and noted that external landfill costs could be lumped together to avoid sharing any confidential details).
    - October 24, 2025 -Paul Henderson sent the follow up information that was promised at the August 27th meeting. The spreadsheet we requested was not

provided but instead the same table of allocation of recycling and waste centre costs was given and an additional table of disposal costs (for one year) was given but again this did not link to the budget as the disposal costs for the landfills alone (which did not include costs for closed landfills) were almost double the budget line item for landfills while the incinerator was $5 million less. It is also important to note that showing only one year (a year in which an insurance claim boosted the revenue) is not a sound way to help make decisions for the future. Volumes for the Vancouver landfill are also much lower than have been included in previous annual reports suggesting different ways that this data is gathered or used -this is the first time that the volume of material going to the Vancouver Landfill through the Metro Vancouver facilities was shared. It remains unclear how to incorporate the capital costs for the incinerator (which are significant and climbing) into a comparison with landfills (for which there are no capital costs outside of the operating budget -per Metro Vancouver staff).

- The email notes that the Vancouver Landfill is a finite resource with a limited annual capacity but fails to note the same is true of the incinerator which also has a lifespan and fixed annual capacity.
- This email also included reports on soil testing from the early 1990's which showed that testing for dioxins had not been conducted then so the assertions of testing not being needed for dioxins based on strong results in the past would certainly not hold up today, especially now that much more is known about the harmful effects, stronger standards have been introduced, the increase in plastics and chemical additives in products and testing can be done continuously on air emissions with the ability to detect lower levels. It is important to note this information did not include a report to the Board with a staff recommendation to cease testing, only to receive the report. Also of note is that a report titled "Greater Vancouver Regional District Soil and Vegetation Monitoring Program 1990" by Soil Con as a summary of their four years of testing was not shared. This report recommends the following:
  "Based on the 4 years of results it is recommended that:
  (1) the GVRD undertake a detailed evaluation of the ambient (ie., air, dustfall, soil and vegetation) and stack monitoring program results within the context of other influencing factors (ie., meteorology, other local contributing sources of pollution),
  (2) a routine soil and vegetation monitoring schedule be established. (It is important that a sound data base is established during the initial years of the incinerator operation.)
  (3) the appropriate health officials be updated regarding the 1990 agricultural vegetation Cd (ie., 5/spinach), Ni (2/grass), Hg (ie., 5/spinach) and F (ie., 4/blueberry) levels. Several of these elements have been elevated since the pre-operational monitoring program.
  (4) an evaluation be conducted on the merits of PAH "fingerprinting" as a tool to

investigate source(s) of soil PAHs.
(5) a region-wide soils and vegetation monitoring program be established to investigate whether the elevated trace element levels found in the sampling program are an isolated situation or whether they are typical of other areas in Greater Vancouver."

- Oct 9, 2025 -Presented the financial analysis of disposal options to the ZWC and provided the spreadsheet in a follow up email for the committee members to enter their own assumptions.
- October 29, 2025 -Email from Paul Henderson with the letter attached in the November 6th Zero Waste Committee package.

In summary, we have spent significant time working with and requesting data from Metro Vancouver in order to ensure accurate information.

We disagree that the transfer station costs should be allocated to disposal and instead a sound analysis of future disposal costs (including a RFQ on external landfills at different volumes) should be conducted and shared publicly as part of the waste planning process. The disposal costs should link directly to the budget line items to make it transparent. The budget (predicted and actuals) should be made public and break out items into collection, transportation (in and out of region), recycling, disposal (by method) and actual work on waste reduction (zero waste). There should be an analysis looking at future costs as the current five year financial plan shows the incinerator will be driving huge increases.

As requested in our press release, Metro Vancouver should commission a comprehensive study conducted by an independent health organization on the levels and cumulative impacts of pollution from the incinerator, with full transparency on process and results; and halt further work on connecting the incinerator to a district energy system until the facility is proven to be cost-effective and safe for the community and environment.

Our experience

In addition to the correspondence, meetings with staff, delegations to the Zero Waste Committee and reviewing the information provided to the Zero Waste Committee, I have been on the Public Technical Advisory Committee since 2022 attending over 30 meetings, including chairing one of the working groups and participating in the other two. For the analyses ZWBC has worked on, we have vetted the process with industry experts. All of this has been done by professionals who have contributed their time pro bono.

We have always shared the spreadsheets we used on our website and encouraged everyone to report any errors. We prefaced these discussions noting that this is what we saw as the public, encouraging Metro Vancouver to do similar work but with their more detailed knowledge of the system (especially as it is no longer possible to get detailed information that was available prior to 2021 in the biennial and financial reports on energy, waste disposal amounts per

method, capital costs for the incinerator, and in some cases actual expenses instead of just expected budgets). Watching the Industry Advisory Committee meetings show that we are not alone in questioning the methodology for Metro Vancouver's disposal costing.

Most communication from Metro Vancouver states that Metro Vancouver is prioritizing waste prevention and welcomes input into how to accomplish this, however in our experience, the reverse is true. The length of time to get answers, the lack of transparency and the answers not actually addressing the questions or providing evidence of error on the part of ZWBC have been very frustrating. While we have approached this in the spirit of collaboration hoping to help Metro Vancouver work towards its stated goals and to develop the next solid waste management plan in line with its zero waste agenda, it has felt that the ongoing commitment to the incinerator has been a roadblock. The last statement in the letter is as follows: "Metro Vancouver previously requested that Zero Waste BC cease sharing misleading misinformation about the cost and environmental performance of the Waste-to-Energy Facility. Zero Waste BC's recent analysis of solid waste system costs and alternatives contains erroneous and misleading misinformation about the regional solid waste system including the Waste-to-Energy Facility. We request that Zero Waste BC cease sharing this erroneous information." This statement is particularly troubling given the extensive efforts we have made to gather correct information and our requests for evidence of errors.

In response to this, we ask for a retraction or actual data showing the errors. We would be happy to meet with a staff member who has expertise in the data to come to a shared understanding of the Metro Vancouver data.

Sincerely,
Sue Maxwell
Chair, Zero Waste BC
and Public Technical Advisory Committee member

From: Bill Chan [redacted]
Sent: November 10, 2025 7:32 AM
To: Stephanie Liu
Cc: Brooke Atkinson
Subject: Re: Feedback on the Draft Strategies and Actions Options Analysis
Attachments: ptac draft strategies ideas bchan cmt 112025.docx

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Hi Stephanie:

Thank you again for the extension, please find attached my comments to the draft document.

If you require additional information please feel free to contact me.

Regards,

Bill Chan

On Fri, Nov 7, 2025 at 11:53 AM Bill Chan [redacted] wrote:

> Hi Stephanie:
>
> Thank you and much appreciated.
> Will send my responses by Nov. 9
>
> And also, reconfirming my attendance on Nov. 20.
>
> Have a nice weekend.
>
> Regards,
>
> Bill Chan

On Fri, Nov 7, 2025 at 9:07 AM Stephanie Liu <Stephanie.Liu@metrovancouver.org> wrote:

> Hi Bill,
>
> Good to hear from you. Yes, we can accommodate November 9. Thanks for taking the time to provide feedback – we really appreciate it.

The form essentially allowed people to note the action ID number, and then provide comments about that action ID. If possible, when you submit your comments, please include the Action ID (s) that each comment is associated with:

Draft Strategies and Actions Options Analysis 2025

Hope to see you on November 20!

Thanks,

Stephanie

Stephanie Liu
Program Manager, Community Engagement
Solid Waste Services
c. 778-938-8932
metrovancouver
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From: Bill Chan [redacted]
Sent: Thursday, November 6, 2025 10:30 PM
To: Stephanie Liu <Stephanie.Liu@metrovancouver.org>
Subject: Feedback on the Draft Strategies and Actions Options Analysis

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Hi Stephanie:

Unfortunately, I was unable to submit my feedback by Oct. 31 as I was out of town, and afterwards I couldn't locate the email with the link to respond. I finally found it and tried to respond; however the link was no longer available.

Is there a way I can respond and have it completed by this weekend (Nov. 9) (a one-week extension)?

Much appreciated.

Regards,

Bill Chan

PTAC Member

[redacted]

Metro Vancouver Solid Waste Plan
PTAC Comments to the Draft Strategies and Actions Options Analysis 2025
November 8, 2025

Comments via track changes

1.0 RETHINK
1.1. Advocate for circular economy policies

ID090 Advocate that federal and provincial governments develop regulatory programs to improve reporting and implementation of circular economy (including food systems) that provides for standardized terminology, specific metrics and timelines of performance.

New comment
Advance the thought leadership on circular economy by providing support through speaking engagements, venues and learning opportunities for stakeholders.

New comment
Advance the framework and obligation of manufacturers and producers of protecting the environment and protecting the public interest.

4.0 RECYCLE
4.1. Promote design for recyclability and the use of recycled content in products and packaging

• ID112 Enhance partnerships with the provincial government, academia, and community groups where industry provides funding to research and develop solution to overcome barriers to reuse and recycling and opportunities to incorporate recycled content into new products.

Develop support with the provincial government on consumers unclaimed deposits (i.e. beverage containers) that arise from the Recycling Regulation to fund general recycling initiatives of Metro Vancouver.

4.2. Enhance EPR programs

• ID116 Identify and advocate for additional materials to be added to extended producer responsibility programs including non-residential packaging with and without readily available markets, such as mattresses and household furniture.
• ID118 Advocate for full funding of producer responsibility programs and the expansion of residential-only programs to businesses.
• ID119 Advocate for accelerated deployment of direct collection and recycling of an expanded suite of materials including film plastic and foam.

Deleted: industry,
Deleted: such as
Deleted: and challenging materials
Deleted: small

• ID121 Advocate and have a regulated framework for expanded recycling drop-off options funded by the stewards or producers of the product for materials such as household hazardous waste, batteries, and items that are not traditionally recycled through the residential blue box, considering mobile options to improve convenience and accessibility.

• ID117 Continue to participate in BC product steward engagements and provide feedback on their regulatory obligations of EPR, the public interest and improvements to existing programs and the development of new programs

Deleted: potential

4.5. Make recycling easier and more effective by reducing confusion and improving convenience

• ID131 Improve access to textile donation and recycling collection services and advocate for textile producers and retailers to set up infrastructure for recycling.

• ID132 Recognize and reward those who recycle well so others are inspired to follow their example; by creating app

Deleted: .

• ID135 Provide a leadership to standardize national guidelines on what can and cannot be recycled; with standardize symbols and colors

Deleted: clear, consistent

Deleted: .

• ID138 Review multi-family residential waste and recycling container space and access guidelines, including determining if the guidance needs to account for increased amounts of material or additional types of materials.

• ID134 Centralize information sources to make it consistent and easier for the public to find information and look for resources.

78992557

• ID136 Advocate for producers, businesses and recycling depots as a responsible steward to work towards streamlining the types of materials accepted where practical.

Deleted: Work with

Deleted: across the region

5.0 – Targets, Metrics, and Draft Plan Phase

From: William Selten <[redacted]>
Sent: Friday, November 21, 2025 10:40 AM
To: Terry Fulton <Terry.Fulton@metrovancouver.org>; Karen Storry <Karen.Storry@metrovancouver.org>; Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Peel Region MWP Study, Important Reference for MV Residuals Assessment

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Hi Terry and Karen,

It was great speaking with you yesterday at the PTAC meeting. As mentioned, I wanted to follow up on something that came up in our conversation regarding the recent Residual Waste Management Options Analysis.

In reviewing the report, I noticed that Stantec referenced the City of Toronto's Mixed Waste Processing (MWP) study but did not reference the Region of Peel's MWP Feasibility Study (attached), which reaches fundamentally different conclusions. Given the significance of these differences, I think it would be valuable for Metro Vancouver and Stantec to review the Peel report as part of the broader evidence base.

The Peel study is directly relevant because its conclusions are based on a waste system structure, disposal-cost environment, and diversion targets that more closely resemble Metro Vancouver's context than Toronto's does. Incorporating it as a reference could help ensure the full spectrum of MWP performance, especially under conditions similar to ours, is considered in future analyses. I would be very interested in Stantec's opinion on the Peel study's findings and how they compare to Toronto's.

Below is a summary based on my own review of both reports.

1. Metro Vancouver's Waste Composition Is Closer to Peel's Than Toronto's

   - Peel found significant recoverable recyclables and organics in the residual waste stream-enough to justify MWP and achieve *upwards of 40% diversion* from garbage alone.
   - Toronto found very little recoverable material remaining after blue bin and green bin programs, making MWP uneconomical.
   - Metro Vancouver's own waste audits show higher levels of recoverable material in garbage-much more similar to Peel's composition than Toronto's.

Conclusion: When assessing MWP performance, Peel's modeling conditions better match what Metro Vancouver would actually see.

2. Metro Vancouver Has Higher Diversion and Climate Targets than Toronto-More Aligned with Peel

   - Toronto's target: ~70% residential diversion.

- Peel's targets: 75% recycling, 90% total diversion (with low-carbon fuel counted).
- Metro Vancouver's plan:
    - 80% diversion aspirations
    - 45% GHG reduction by 2030 (vs 2010)
    - Carbon-neutral waste system by 2050

Peel's high-diversion, climate-driven approach aligns much more closely with MV's direction and constraints than Toronto's does.

3. Metro Vancouver's Disposal-Cost Structure Mirrors Peel, Not Toronto

- Toronto: Low-cost landfill access MWP adds cost with limited gain.
- Peel: No local landfill, high disposal/export costs diverting from disposal has *major economic benefits.*
- Metro Vancouver:
    - High cost of residual disposal at Vancouver Landfill
    - High cost of transport outside lower mainland
    - Aging/costlyWtE facility requiring replacement planning
    - Limited landfill capacity

This makes the economics of MWP much more favorable here, just as in Peel.

4. Metro Vancouver Requires an Organics Recovery Pathway

- Toronto concluded MSW-derived organics are too contaminated for AD/composting.
- Peel demonstrated that organics from residual waste can be isolated and anaerobically digested to produce beneficial products.
- Metro Vancouver's Climate 2050 plan emphasizes organics capture as a major climate lever. (that's why i asked the questions about organics yesterday)

Since Metro Vancouver is evaluating future options that need organics recovery to meet the climate targets, the Peel study is far more applicable than the Toronto study, which ruled out those options based on its local waste composition.

5. Peel Analyzed Marketability, Regulation, and Product-Quality Risk in Detail

Peel's report directly assessed:

- quality of recovered organics
- biological treatment pathways
- regulatory fit
- market demand for recovered recyclables and RDF/fuel

Toronto did not perform this analysis because MWP was dismissed at the composition stage.

Summary

The Toronto study is valid *for Toronto's conditions,* but those conditions do not reflect Metro Vancouver's system structure, waste composition, disposal costs, or climate/diversion objectives. The Peel study, on the other hand,

evaluates MWP under conditions that are significantly more comparable to Metro Vancouver's, making its findings more relevant for long-term planning.

I believe incorporating the Peel report into the residuals options evidence base, and having Stantec weigh in on its applicability, would provide a more balanced and accurate context for Metro Vancouver's decision-making.

I also want to emphasize that I fully believe source separation is the best and most cost-effective foundation of any waste system. But we all know no system is perfect, and even well-designed collection programs will never capture 100% of recyclables or organics at the curb. That's why, in my view, the most effective system is a staged approach.

Step 1 is strong source separation, supported by education and convenient collection.

Step 2 is processing of the remaining garbage through MRF's incl. a mixed-waste MRF, ensuring that anything missed at the household level, particularly organics, is recovered before disposal. Especially for multi-residential households where in general recycling rates are low.

Step 3 is disposal of true residuals only. With this structure, regions can realistically capture 90-95% of organics and recyclables and significantly increase overall diversion. It also allows much tighter control over what is ultimately disposed, ensuring we are not landfilling organics and recyclables unnecessarily and not burning or discarding materials that still have value.

And Karen, just a quick note that I will follow up in the coming weeks with more detailed information on digestate quality, regulatory classification, and end-use options. That analysis requires a bit more work to pull together properly, but I'll make sure to share once I have it in good shape.

Happy to discuss anytime.

Have a great weekend

William Selten

[redacted]

From: Ami [redacted]
Sent: November 24, 2025 11:43 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: Public/Technical Advisory Committee - November 20 Meeting Agenda and Presentation Posted

Follow Up Flag: Follow up
Flag Status: Completed

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Hi Brooke,

Thank you for sharing the November 20th PTAC meeting resources. Please find my feedback on the metrics and targets update below.

Secondary Metrics:
Most important to track:

- All metrics in the "rethink" category as this will guide strategic direction of private industries in the region
- Recycling: trust/confidence in recycling programs and recycling rate by material / sector

Additional metrics:

- Rethink: track metrics and examples of profitability of circular economy / initiatives in the region
- Reduce: increase waste prevention habits by encouraging municipalities to report metrics on waste diverted at municipal events (requires waste management planning)
- Reduce: tracking *why* items cannot be repaired in addition to # of items repaired at repair events (to inform "rethink" goal and encourage reduction in the production of single use and unrepairable items)

Please let me know if you have any questions. Thank you for considering this feedback.

Warm regards,
Amika

On Tue, Nov 18, 2025 at 10:28 AM Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

> Hi Amika,
>
> Thanks for letting us know you are not able to make the November 20 PTAC meeting. The main discussion for this meeting will be on the solid waste management plan update metrics and targets. There is a presentation on the website here: presentation which has the targets and metrics outlined. If you would like to review this and provide feedback or questions to us, that would be great!

Here is the agenda on the website for your reference as well.

Thanks,

Brooke Atkinson
Senior Engagement Specialist, Community Engagement
Solid Waste Services
t. 604.451.6073

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From: Ami [redacted]
Sent: Monday, November 17, 2025 6:36 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: Public/Technical Advisory Committee - November 20 Meeting Agenda and Presentation Posted

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Hello Metro Van Solid Waste Services Team,

I hope you're doing well.

Unfortunately I am not able to attend the in-person meeting on December 20th. If there are any materials to review or provide feedback on please let me know.

Thank you and please accept my sincere apologies,

Amika

On Fri, Nov 14, 2025 at 14:01 Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

> Dear Solid Waste Management Plan Public/Technical Advisory Committee members,
>
> The agenda for the upcoming November 20, 2025 PTAC meeting is now posted on the meeting website and the presentation.
>
> Just a reminder, the November 20, 2025 meeting will be held in-person at **Metro Vancouver Head Office room 2912 from 1:00 – 3:00 pm**. There will be no livestream or recording of this meeting – please attend in-person if you are able to. The majority of this meeting will be dedicated to discussing the draft metrics and targets for the updated plan.
>
> Thanks all and we look forward to seeing you at the November 20 meeting,
>
> Metro Vancouver Solid Waste Services Team

From: Tobin, Tracey <Tracey.Tobin@burnaby.ca>
Sent: Tuesday, December 9, 2025 1:42 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: Tse, Wendy <wendy.tse@burnaby.ca>; Erica Lay <Erica.Lay@burnaby.ca>
Subject: City of Burnaby - RE: Regional Solid Waste Management Plan - Feedback Request

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Hi Karen,

I was asked to respond to the feedback request that came via the RPAC meeting.

Cheers

Tracey Tobin B.Sc., PBD Env. Sci.
Climate Action and Environment Specialist
Direct: 604-294-7053
She|Her|Hers
City of Burnaby | Planning and Development | Climate Action and Energy
Deer Lake 1 | Suite 101 - 4946 Canada Way | Burnaby, BC V5G 4H7

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THIS MESSAGE SENT TO METRO VANCOUVER REGIONAL PLANNING ADVISORY COMMITTEE (RPAC) MEMBERS
Sent on behalf of Karen Storry, Senior Engineer, Zero Waste Implementation, Solid Waste Services

Dear RPAC Members,

The Solid Waste Group appreciated the opportunity to present at the November 21 RPAC meeting. As part of Metro Vancouver's update to the Regional Solid Waste Management Plan, we are seeking feedback from planning departments on the area's most relevant to your work.

Key Areas for Input:

1. Tracking data on circular activities (e.g., jobs, home removal, deconstruction). We are informally tracking deconstruction and home removal as part of our demolition and construction and demolition waste diversion program.
2. Zoning definitions for circular activities (reuse stores, remanufacturing). I received this feedback from one of our Zoning Planners: in the process of developing more flexible use definitions, creating

fewer zones with a broader range of uses, and removing some old, more restrictive conditions (e.g. our old C1 District has a condition that "goods shall consist primarily of new merchandise"), our new zoning bylaw should be much more supportive of things like food production, reuse stores, smaller-scale local retail, commercial recycling centres, small and large scale manufacturing and food processing, recycling/waste processing facilities, and sustainable energy systems (heat pumps, district energy, solar generation, etc.). We're also introducing a "heritage adaptive use" definition/use to allow a broader range of uses in heritage buildings that should help make retention more viable.

3. Additional priorities for waste prevention and circular economy planning. Streamlining the permitting process for building relocation, working with our Heritage Planner to identify projects to imbed requirements for heritage building adaptive reuse, relocation or deconstruction.

If possible, we encourage you to share this with the appropriate staff on your team for their review and input, and to submit any comments by **December 10, 2025** to zerowaste@metrovancouver.org.

Draft Actions for Review:

1. 1.2 Support the transition to a more circular regional economy through waste prevention.
2. 1.3 Build on and foster an inclusive and collaborative circular economy.
3. ID022 Collaborate with governments, industry, and technology partners to develop digital tools that map building construction and materials for reuse.
4. 1.4 Collect and enhance data to track progress toward a circular economy.
5. ID092 Continue to develop and improve region-wide key performance indicators to track progress on circular economy.
6. 2.1 Collaborate with businesses and institutions to reduce waste at the source.
7. ID162 Host workshops and meetings to share updates to zoning and development bylaws for waste reduction and recycling businesses.
8. ID008 Develop and share definitions and approaches for zoning and development bylaws to clarify siting of waste reduction and recycling businesses.
9. 3.2 Increase reuse of used building materials.
10. ID046 Work collaboratively with industry, municipalities, and other governments to understand storage and land use requirements for construction and demolition sector and find innovative solutions.

A full list of actions can be found though this link: draft-strategies-and-action-options-analysis-2025

Thank you for your continued collaboration.

Karen Storry

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: December 9, 2025 6:29 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: PTAC November 20, 2025 Draft Meeting Notes Posted
Attachments: Comments on target and metrics SM.docx

Follow Up Flag: Follow up
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Thanks for the notes. Could it please be shown that under 7.2 Solid Waste Management Plan Update -Draft Regulatory Strategy that I had asked if this was the only opportunity to comment on the Regulatory strategy. This is because the Notes for the Jun 19, 2025 meeting where this item was originally on the agenda was deferred as "Member commented that it is difficult to comment and provide meaningful feedback on the draft regulatory strategy when the committee has not seen the draft strategies and actions yet. • Staff and committee agreed that a more detailed draft regulatory strategy will be brought back to the committee at a later meeting." Yet at this meeting, staff noted it was similar to what was provided before, did not have discussion time allotted to the agenda item and had not included much more detail. The workplan also noted this action as completed as of June 19th which was not accurate.

Can we please also note that the Stantec report that informed the targets and metrics setting was not shared with the committee until after the meeting. Also note the Stantec report has an old hierarchy version with a focus on energy recovery in figure 3 -did this impact reporting on metrics?

Also, thank you for the reminder that we are all welcome to provide more detailed input on targets and metrics. Please find mine attached.

Sincerely,
Sue Maxwell

On Dec 9, 2025, at 8:55 AM, Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> wrote:

Dear Solid Waste Management Plan Public/Technical Advisory Committee members,

The draft meeting notes for the November 20, 2025 meeting are now posted on the website.

You will have all received the 2026 PTAC meeting calendar invitations, please see the updated meeting dates and times below:

- January 29, 2026 from 1:00 pm – 3:00 pm (online)
- February 19, 2026 from 1:00 pm – 4:00 pm (In-person)
- March 5, 2026 from 1:00 pm – 3:00 pm (online)

Please email zerowaste@metrovancouver.org if you did not receive the calendar invitations.

Comments on Metrics and Targets

4.1 Targets and Metrics

Targets should be in plan timelines including 5 yr and 10 yr targets. Make the starting year more clear

1. **Reduction in per capita generation**

These should be far stronger. The last plan had a 10% reduction in 9 years which was achieved with less effort than the next plan should have so this plan should aim for a 15% reduction by 2036. The District of Squamish has a target of 50% less by 2040 (25% less by 2030).
There should be subtargets for residential, ICI, and C&D as well as for food waste

2. **Increase diversion/recycling**

The proposed target is a failure. The way Metro Van was calculating recycling, there was already an 80% diversion goal by 2020 in the last plan and this version proposes that that existing goal now be met in an additional 30 years. The diversion rate target would only be 72% by 2036 which is less than San Francisco has already achieved. Regional District of Nanaimo has a target of 90% diversion by 2027 and was already at 68% diversion by 2014. The District of Squamish has a target of 0% organics disposed to landfill, waste to energy or incineration by 2040 and 50% less by 2030.

Instead there should be a 90% recycling/composting rate as a target for 2036 with an interim 5 year target. This is entirely possible as MV stats show 80% of existing waste could have already been diverted or avoided and MV claims to be a leader so at least should match RDN.

The current recycling rate should also be shown.

There should be a target to eliminate burning of material (clean wood and mixed waste). There should not be a target to aim for or increase burning of clean wood. Instead there should be targets to reuse and recycle it.

Recovery should not be part of diversion -only recycling and composting so then there could be a cleaner target. There could be a diversion target for recovery that is associated with materials and this would relate to materials that are not source separated but are recovered after disposal (such as if a program was implemented to pull items from the waste such as the several tires that were seen on the landfill tour) but prefer to not include a recovery target as it may send the wrong signals and waste effort on downstream activities, rather than better inspections and enforcement. Note metals recovered from WTE are recovered (not recycled) as they are not source separated but instead are recovered from waste.

Again there should be subtargets for residential, ICI, and C&D as well as for food waste.

In addition, there needs to be very clear definitions for recycling like CSA plastic recycling one; and composting. These should be existing standards rather than Metro Vancouver -created ones.

3. **Disposal reduction per capita**

The District of Squamish has a target of 50kg/capita for 2040 with an interim of 248 kg/capita by 2030. The Regional District of Nanaimo has a per capital disposal goal of 109 kg/year by 2027 and was already at 347 kg/year in 2017, a rate MV would not get to until 2033 with the current target. Even the current

average to date of a decrease of 2.29% a year would be a faster decline in waste than the proposed target so this proposal is a commitment to do less. The province has a goal of 350 kg per capita rate, originally set for 2020 so it seems that if MV is to become a leader a much more aggressive target is needed. It should be 50% less by **2036** or 210 kg/capita and could align with a closure of the incinerator.

4. **Carbon neutral**

There should be a goal to close the incinerator which would save at least 130,000 t CO2e annually (270,000 tonnes if full carbon accounting for biogenic emissions are included) and aim for 0% organics disposed in landfill by 2036.
There should be a strong emphasis on reducing emissions and not a reliance on carbon offsets (the effectiveness of which have been questioned).

There should also be carbon accounting using embodied carbon and setting a separate target for its reduction.

5. **Other targets**

There should be a target for total waste (so if population goes up, there is a need to work harder to meet the goal) as planetary boundaries are finite, regardless of population.

Metrics

Note the metrics should be set once the actual actions in the plan are finalized but here are some suggested additions:

Rethink

- Also # partnerships
- # actions advocated for that have been enacted
- # businesses certified ZW
- # municipalities with CE/ZW purchasing policies
- Growth in zero waste/circular economy (ZW/CE) green jobs and green businesses
- Economic value of circular economy
- Funding and investment available for ZW/CE initiatives

Reduce

- # municipalities enacting dine in requirements
- # municipalities with event permit requirements
- # municipalities with zero waste plan requirements for business licenses
- # engagements to support ICI transitions

Reuse

- # municipalities enacting deconstruction bylaws
- Tonnes reuse for C&D materials (separate)
- # repair options and awareness
- # reuse programs (encourage all groups to register their programs, support new ones, have RCBC share where they are)
- #refilleries -same as above
- Growth in number of share, repair and reuse assets

- Amount of reuse options and awareness
- # repair shops -same as above
- Edible food waste recovered and redistributed

Recycle

- # municipalities with full organics collection
- # municipalities with full curbside collection
- % of MF buildings with full Recycle BC service
- % of MF buildings with organics service
- Organics recycling participation rate
- % of ICI with full three streams collection
- # municipalities with mandatory three stream collection or % of region (when MVRD implements)
- Amounts recycled by ICI, CD, Res SF MF
- Amount composted by same
- % contamination recycling
- % contamination organics

Recover

- what materials are recovered and # actions taken to move from recovery to higher levels
- Do **not include recovery in diversion**
- understand why something was wasted.

Dispose

- understand why something was wasted.
- Remaining incineration capacity (years and tonnes left until a rebuild/major retrofit is required)
- GHG from transport of waste (from collection location to end fate)
- GHG from disposal facility by each facility (include both biogenic and non-biogenic), show % of each.
- GHG reductions associated with solid waste and consumption
- Show energy input and wasted at each facility
- Clear costs of disposal per tonne by disposal methods and not including transfer station costs, only transportation from there to LF or incinerator (which again should be separate)
- Clear costs for incinerator maintenance (capital and anything in the contract)
- Do not show homes powered by incineration as misleading
- % loads enforced -going up to 90% in 10 yrs
- % loads in clear bags
- GHG by disposal option and have transport as subset of each
- GHG consumption based emissions, if showing recovery for fuel, need to show what was lost by burning it.
- Wildlife garbage interaction stats
- Illegal dumping
- waste composition
- Diversion rates (for the whole community and by sector)
- Total waste disposed (for the whole community and by sector)
- Total discards generated (for the whole community and by sector)

Data
Metro Vancouver should aim for transparency -it is a shame that some stats available in previous biennial reports are now not available. The plan should commit to a list of metrics and data that will be made public.

From: Eng, Kevin <KEng@richmond.ca>
Sent: Wednesday, December 17, 2025 3:10 PM
To: Karen Storry <Karen.Storry@metrovancouver.org>; Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: RE: Regional Solid Waste Management Plan - Feedback Request

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Good Afternoon,

Thank you for the opportunity to provide City of Richmond staff comments on Metro Vancouver's update to the Regional Solid Waste Management Plan. My understanding is that City staff from Environmental Programs and Climate and Environment have provided prior input into the development of the plan.

This email provides comments and input from a planning and land use/regulatory perspective and is to be considered as supplementary feedback provided in addition to prior City staff input on the drafted plan.

The City's Official Community Plan and accompanying policies and strategies establish a supportive land use approach that protects and preserves industrial and employment designated and zoned land and also develops initiatives to intensify the usage of these lands. The City's approval of the Industrial Lands Intensification Initiative (ILII) in 2021reinforced the protection of lands designated to support industrial uses and supporting activities along with ensuring zoning regulations allow for increased economic viability and flexible use of these lands and the businesses that utilize them.

Existing zoning regulations contained in the City's Zoning Bylaw support a wide range of activities and businesses necessary to allow for facilities/businesses to operate that support regional waste initiatives outlined in the Regional Solid Waste Management Plan. A majority of these uses are accommodated for in the

City's Industrial Zones (Section 12) with additional allowance in some of the City's Commercial Zones (Section 10). As noted in the above comment about the OCP and accompanying ILII – the City's long term objective for industrial/mixed employment designated land in the OCP is to protect and preserve these areas to support land uses and activities that are aligned with these designations.

Additional initiatives that are being developed are through the Richmond Circular City Strategy, which is a framework that will help to guide Richmond's transition to a circular economy that are also aligned with the many of the developed actions contained within the Regional Solid Waste Management Plan. These initiatives and action items arising from the Richmond Circular City Strategy will support and help to advance the initiatives of Metro Vancouver's Regional Solid Waste Management Plan.

Thanks for the opportunity to provide feedback and please feel free to reach out with any questions.

Regards,
Kevin Eng
Senior Planner, Policy Planning Department, City of Richmond
604-247-4626; keng@richmond.ca; www.richmond.ca

From: Karen Storry <Karen.Storry@metrovancouver.org>
Sent: Friday, December 12, 2025 10:28 AM
To: Eng, Kevin <KEng@richmond.ca>
Cc: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: RE: Regional Solid Waste Management Plan - Feedback Request

City of Richmond Security Warning: This email was sent from an external source outside the City. Please do not click or open attachments unless you recognize the source of this email and the content is safe..

Hi Kevin,

We are happy to receive your comments next week for consideration before finalizing the draft plan in the new year. The planning department perspective is very important.

Thank you for taking the time to provide your thoughts. Let me know if you have any questions.

-Karen

From: Eng, Kevin <KEng@richmond.ca>
Sent: Friday, December 12, 2025 9:00 AM
To: Karen Storry <Karen.Storry@metrovancouver.org>
Subject: RE: Regional Solid Waste Management Plan - Feedback Request

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Karen,

I just wanted to touch base on this with you. I'm working with City staff from other applicable groups (Environmental Programs/Sustainability and Environment) to provide comments.

I believe our Environmental Programs group has already been involved in the review and providing previous comments to MV on the development of this plan.

I'm hoping to have comments (from a planning/land use perspective) over to MV by middle of next week. I know this is a bit past the December 10 2025 deadline initially communicated and wanted to check if next week would work for your project team's schedule.

Thanks and let me know if you have any questions.

Regards,
Kevin Eng
Senior Planner, Policy Planning Department, City of Richmond
604-247-4626; keng@richmond.ca; www.richmond.ca

From: RP - Regional Planning Inbox <RegionalPlanning@metrovancouver.org>
Sent: Thursday, November 27, 2025 2:20 PM
To: RP - Regional Planning Inbox <RegionalPlanning@metrovancouver.org>
Cc: Karen Storry <Karen.Storry@metrovancouver.org>; Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Regional Solid Waste Management Plan - Feedback Request

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THIS MESSAGE SENT TO METRO VANCOUVER REGIONAL PLANNING ADVISORY COMMITTEE (RPAC) MEMBERS
Sent on behalf of Karen Storry, Senior Engineer, Zero Waste Implementation, Solid Waste Services

Dear RPAC Members,

The Solid Waste Group appreciated the opportunity to present at the November 21 RPAC meeting. As part of Metro Vancouver's update to the Regional Solid Waste Management Plan, we are seeking feedback from planning departments on the area's most relevant to your work.

Key Areas for Input:

1. Tracking data on circular activities (e.g., jobs, home removal, deconstruction).
2. Zoning definitions for circular activities (reuse stores, remanufacturing).
3. Additional priorities for waste prevention and circular economy planning.

If possible, we encourage you to share this with the appropriate staff on your team for their review and input, and to submit any comments by **December 10, 2025** to zerowaste@metrovancouver.org.

Draft Actions for Review:

1. 1.2 Support the transition to a more circular regional economy through waste prevention.
2. 1.3 Build on and foster an inclusive and collaborative circular economy.
3. ID022 Collaborate with governments, industry, and technology partners to develop digital tools that map building construction and materials for reuse.
4. 1.4 Collect and enhance data to track progress toward a circular economy.

5. ID092 Continue to develop and improve region-wide key performance indicators to track progress on circular economy.
6. 2.1 Collaborate with businesses and institutions to reduce waste at the source.
7. ID162 Host workshops and meetings to share updates to zoning and development bylaws for waste reduction and recycling businesses.
8. ID008 Develop and share definitions and approaches for zoning and development bylaws to clarify siting of waste reduction and recycling businesses.
9. 3.2 Increase reuse of used building materials.
10. ID046 Work collaboratively with industry, municipalities, and other governments to understand storage and land use requirements for construction and demolition sector and find innovative solutions.

A full list of actions can be found though this link: draft-strategies-and-action-options-analysis-2025

Thank you for your continued collaboration.

Karen Storry

From: Terry Fulton
Sent: Wednesday, January 28, 2026 1:19 PM
To: 'Kosmak, Monica' <Monica.Kosmak@vancouver.ca>; McDermott, Jonathan <Jonathan.McDermott@vancouver.ca>; Harris, Michelle <michelle.harris@vancouver.ca>; Lynn Belanger <Lynn.Belanger@vancouver.ca>
Cc: Paul Henderson <Paul.Henderson@metrovancouver.org>; Chris Underwood <Chris.Underwood@metrovancouver.org>
Subject: RE: MV SWMP update - metrics and targets

Hi Monica and team,

Thanks again for providing feedback on our draft targets and metrics. I've responded to the questions below in red.

In case you haven't yet seen, the initial draft plan has been published. Please provide any comments by February 20th. Note there will be an additional opportunity to comment on a revised draft after the plan goes to the Board.

Thank you,

Terry Fulton, P.Eng. (he/him)
Senior Project Engineer, Zero Waste Implementation
Solid Waste Services
c. 604-313-0839
metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Kosmak, Monica <Monica.Kosmak@vancouver.ca>
Sent: Thursday, December 18, 2025 7:27 PM
To: Terry Fulton <Terry.Fulton@metrovancouver.org>
Cc: Paul Henderson <Paul.Henderson@metrovancouver.org>; McDermott, Jonathan <Jonathan.McDermott@vancouver.ca>; Harris, Michelle <michelle.harris@vancouver.ca>; Lynn Belanger <Lynn.Belanger@vancouver.ca>
Subject: RE: MV SWMP update - metrics and targets

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Terry,

Thanks for giving members the opportunity to provide feedback on the draft Solid Waste Management Plan targets and metrics proposed in the Targets Presentation.

I'm sending these City of Vancouver staff comments on behalf of Jon McDermott. We offer them in the spirit of supporting Metro in finalizing the SWMP.

Understanding the Targets

It's difficult for us to provide feedback on the targets without seeing how the per capita targets translate to total waste generated and disposed, the rationale for diversion assumptions, and the baseline climate impacts of waste.

Could Metro provide the following:

- What are Metro's waste flow projections to 2040 and 2050 for total waste disposed, diverted and generated? (This would help us understand the effects of the per capita disposal and waste generation based on population projections.)

We've added these to the summary, attached.

https://orbit.gvrd.bc.ca/orbit/llisapi.dll/app/nodes/81451844

- What are the assumptions and sources for the line-by-line diversion targets for specific types of waste in the Detailed targets calculations? For example, how do the assumptions factor in Provincial requirements for EPR recovery rates for existing and future designated products, single-use and plastic products, non-residential packaging, etc.?

The calculations assume all actions within the plan have been completed by 2050. 2040 was interpolated based on 2050 values. These assumptions assume advocacy efforts regarding expanding the scope of EPR programs are successful, which would mean including material types that are in some cases beyond what is currently indicated.

- How is carbon neutrality being calculated, and what is the current baseline?

Carbon neutrality is being assessed using Metro Vancouver's regional GHG inventory (Climate 2050), which tracks emissions from the disposal of solid waste generated within the region. Under a status-quo scenario – assuming continuation of existing practices without new actions/interventions – disposal-related emissions are projected to decline by approximately 45% by 2030 relative to 2010 levels, largely due to landfill gas management and operational improvements, with an additional 30% expected by 2050. Remaining emissions would need to be addressed through further strategies and future actions identified in the draft plan.

Updating the targets

Given the targets are for 15 and 25 years from now, is Metro planning to review and potentially update them at the 10-year mark? If that isn't the plan, our suggestion would be to do so and explicitly note that intention in the SWMP. This would be consistent with the planning cycle in the Province's guidance for solid waste management plans. It would also allow for adjustments based on innovation, green jobs, future senior government policies, and emerging science on the climate change impacts of consumption and waste management on each level of the waste hierarchy.

We've added text to the plan describing that we will interpolate 10 year targets based on the targets provided following provincial approval of the updated plan. We will be initiating another solid waste management plan update at the 10 year mark following approval, and the targets will be reassessed at that time.

Secondary Metrics

We generally support the proposed secondary metrics. We suggest adding a few more for completeness:

- **Rethink:** Add a consumption-based emissions inventory (CBEI), done at regular intervals over the course of the plan, to measure the embodied carbon (GHGs from a product's life cycle) in consumables and waste.
    - There is an opportunity to build on the Metro Vancouver Regional Consumption-Based Emissions Inventory and study the consumables and waste category in more detail. If needed, the inventory could begin with targeted waste streams (e.g., food) and gradually expand. This could inform the carbon neutral target and support policies that move waste management higher up the hierarchy.

Action 1.4.3. (Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts.) is meant to position in us in a way to leverage our climate team's regional consumption-based emissions work to start looking at embodied carbon.

- **Reduce**: Add tonnes of C&D waste reduced to disposal.

Although not explicitly stated in the table, this is something that will be measured and reported in the overall suite of performance metrics.

- **Reuse**: Add tonnes (or other applicable units) of reuse through EPR programs. For example:
    - Product Care reuses paint.
    - Reusable packaging and food service ware: The Province has advised that Recycle BC's "next proposed plan should target initiatives to manage program materials at higher levels of the PPH [pollution prevention hierarchy] (e.g., consumer reuse initiatives), including targets to manage higher up the PPH."
- **Recycle**: Tonnes of waste recycled through EPR programs.

We report on this detail in our annual report, although it's not specifically described in the metrics table. We are in the process of updating our reuse methodology to improve the repeatability of our results. In the past we have reported on reuse through EPR and would continue to do so in the future.

References

Key slides from Targets Presentation:

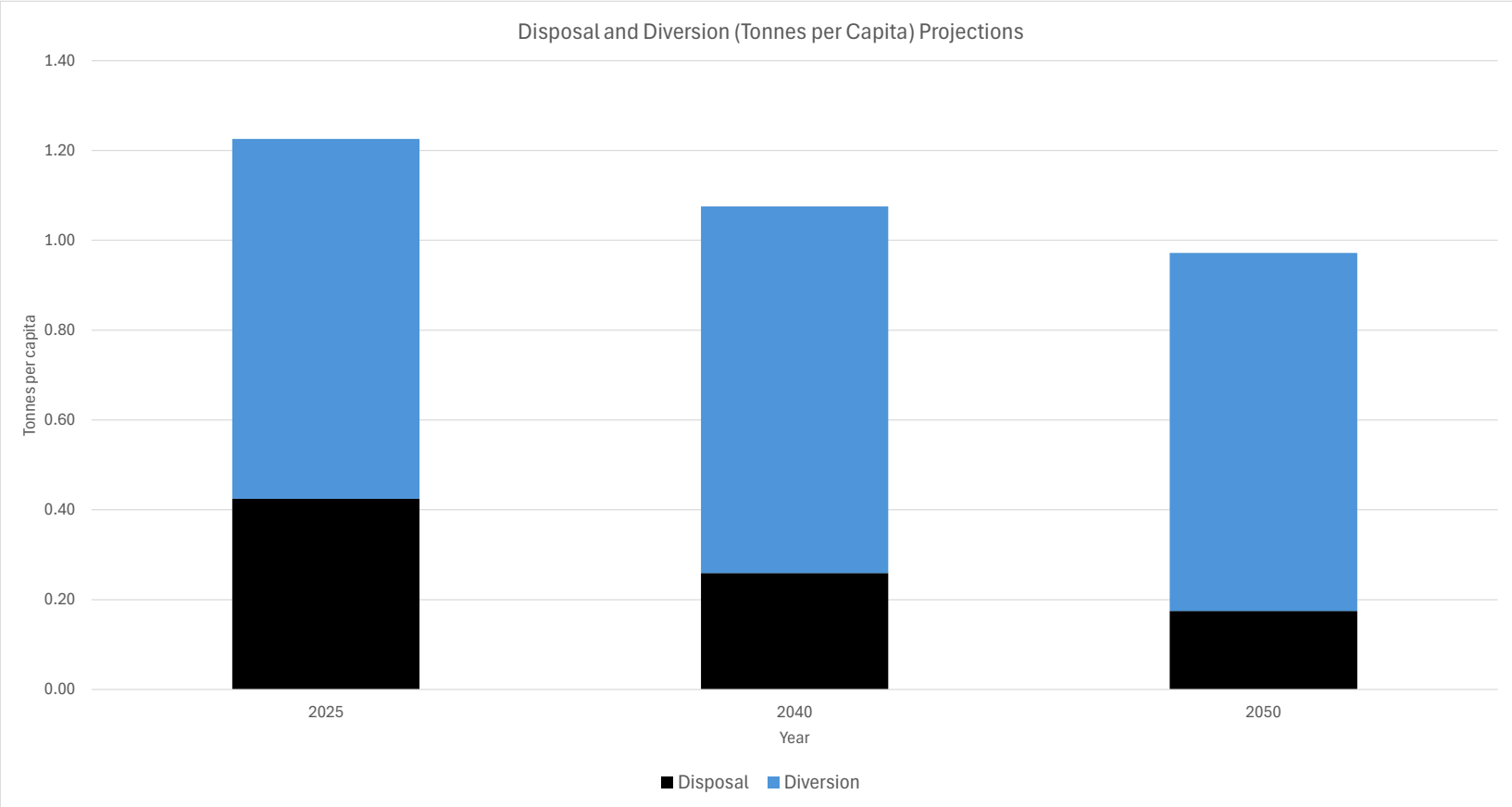
Targets Summary Detail

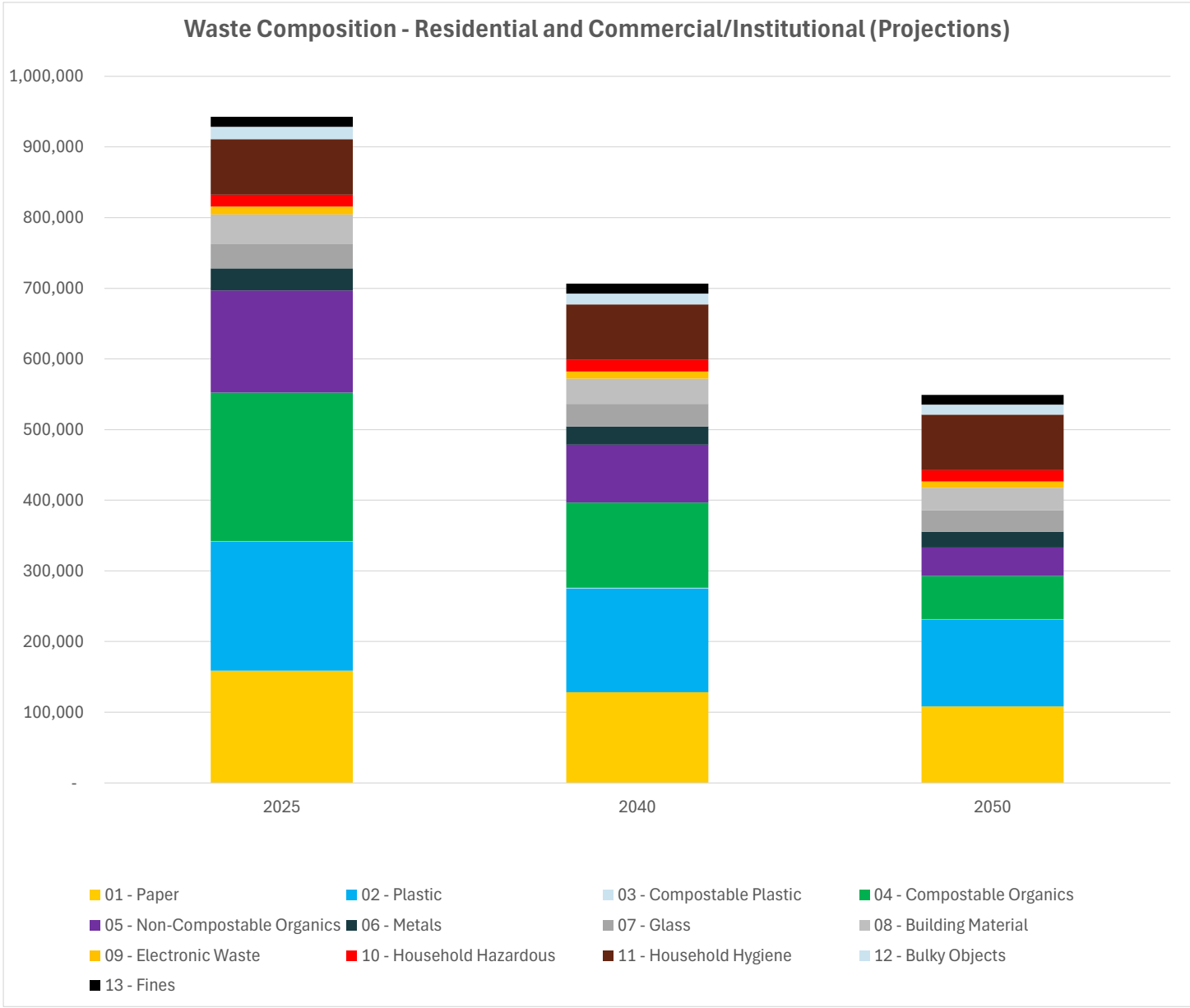
Primary Metric	Interim Target (2040)	Target (2050)
Reduction in Material Generation per capita	10%	20%
Increase in Diversion	75%	80%
Reduction in Disposal per capita	30%	50%

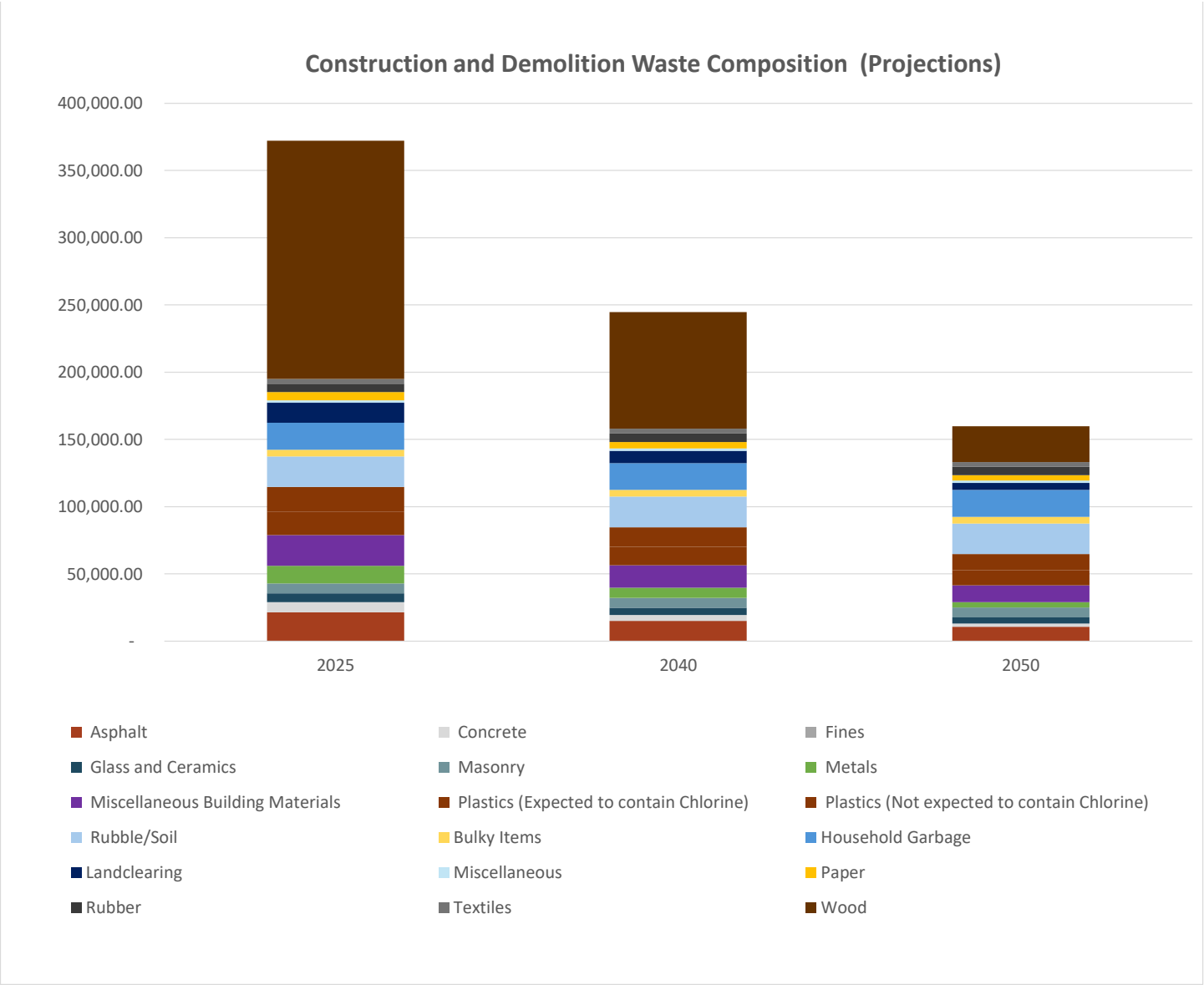
Material	Reduction in Material Generation	Increase in Diversion	Drivers
Recylable Paper	10%	20%	Packaging reduction advocacy; transition to reuse; increased multi-family and commercial recycling
Single-use items	30%	20%	Reuse at dine-in and events; Supplier and restaurant education; Single-use item reduction actions; increased multi-family and commercial recycling
Plastic Film	30%	30%	Reduction in plastic generation through advocacy efforts; improved/expanded extended producer responsibility
Recyclable plastic containers	30%	10%	Reduction in plastic generation through advocacy efforts and improved/expanded extended producer responsibility
Compostable paper	-	40%	Improved education for what goes where, increased participation in commercial/institutional sector
Yard Waste	-	30%	Densification of region and increased education on what goes where; home composting education
Food Waste	40%	30%	Food waste reduction and recovery efforts; increased education; increased participation in the multi-family and commercial/institutional sectors
Construction & Demolition Sector	35%	50%	Strategies focused on deconstruction, home relocation and rethinking the C&D sector, increased diversion of wood
Wood (Residential)	20%	65%	Expanded opportunities for reuse; increased diversion of small loads
Electronics and Household Hazardous Waste	10%	10%	Improved education for what goes where, improved/expanded extended producer responsibility
Household Hazardous Waste	-	10%	Improved education for what goes where, improved/expanded extended producer responsibility
Textiles	30%	-	Rethink, reuse, and repair actions focused on textiles

Generation, Disposal and Diversion Projections

	2025	2040	2050
Disposal (tonnes/capita)	0.42	0.26	0.17
Diversion (tonnes/capita)	0.80	0.82	0.80
Diversion Rate (%)	65%	76%	82%
Generation (tonnes/capita)	1.23	1.08	0.97




Waste Composition - Residential and Commercial/Institutional (Projections)
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
-
2025
2040
2050
01 - Paper
02 - Plastic
03 - Compostable Plastic
04 - Compostable Organics
05 - Non-Compostable Organics
06 - Metals
07 - Glass
08 - Building Material
09 - Electronic Waste
10 - Household Hazardous
11 - Household Hygiene
12 - Bulky Objects
13 - Fines


Construction and Demolition Waste Composition (Projections)
400,000.00
350,000.00
300,000.00
250,000.00
200,000.00
150,000.00
100,000.00
50,000.00
-
2025
2040
2050
Asphalt
Concrete
Fines
Glass and Ceramics
Masonry
Metals
Miscellaneous Building Materials
Plastics (Expected to contain Chlorine)
Plastics (Not expected to contain Chlorine)
Rubble/Soil
Bulky Items
Household Garbage
Landclearing
Miscellaneous
Paper
Rubber
Textiles
Wood

Material	Reduction in Material Generation	Increase in Diversion	Drivers	Alignment with Key Stakeholders/Initiatives
Recylable Paper	10%	20%	Packaging reduction advocacy; transition to reuse; increased multi-family and commercial recycling	RecycleBC
Single-use items	30%	20%	Reuse at dine-in and events; Supplier and restaurant education; Single-use item reduction actions; increased multi-family and commercial recycling	Government of Canada oCCME zero plastic waste •RecycleBC oIntroducing home film collection starting in 2026 oGoal to increase total plastics collection rate (currently 45%) •Government of BC oreviewing non-residential recycling policies •City of Richmond events pilot •Canada Plastics Pact oElimination list oGolden Design Rules for plastic packaging oPRFLEX initiative oReuse working group and reuse accelerator pod •EMF 2030 global plastics commitment to design for recycling, increase reuse, increase recycled content and reduce virgin plastic use.
Plastic Film	30%	30%	Reduction in plastic generation through advocacy efforts; improved/expanded extended producer responsibility	
Recyclable plastic containers	30%	10%	Reduction in plastic generation through advocacy efforts and improved/expanded extended producer responsibility	
Compostable paper	-	40%	Improved education for what goes where, increased participation in commercial/institutional sector	•CleanBC – keeping more organics waste out of landfill •Metro Vancouver Climate 2050 Solid Waste Primer •Government of Canada oHomepage | Global Methane Pledge oMethane regulations for Canadian Landfills
Yard Waste	-	30%	Densification of region and increased education on what goes where; home composting education	
Food Waste	40%	30%	Food waste reduction and recovery efforts; increased education; increased participation in the multi-family and commercial/institutional sectors	
Construction & Demolition Sector	35%	50%	Strategies focused on deconstruction, home relocation and rethinking the C&D sector, increased diversion of wood	•ECCC Working Group on C&D waste •CELC Circular •CSA •FSC recycled content in products •Member bylaws with minimum recycling and salvage •Metro Vancouver C&D toolkit
Wood (Residential)	20%	65%	Expanded opportunities for reuse; increased diversion of small loads	
Electronics and Household Hazardous Waste	10%	10%	Improved education for what goes where, improved/expanded extended producer responsibility	•Repair cafes •Right to Repair •Consumer Production Acts in Quebec and Saskatchewan
Household Hazardous Waste	-	10%	Improved education for what goes where, improved/expanded extended producer responsibility	•New EPR for moderately hazardous prodcuts
Textiles	30%	-	Rethink, reuse, and repair actions focused on textiles	•Canadian Circular Textiles Consortium •Wrap UK Textiles commitment •EMF

FULL-SCALE WASTE COMPOSITION PROJECTIONS

	2025 - Remaining Garbage	Reduction Tonnes in 2040	Diverted Tonnes in 2040	Remaining Garbage 2040
Summary	942,526.00	104,248.65	131,824.52	706,452.83

Reduction Tonnes in 2050	Diverted Tonnes in 2050	Remaining Garbage 2050
173,747.75	219,707.53	549,070.72

Total tonnage in 2024 (disposed) 942,526

		2025				2050				
Primary Category	Tertiary Category	Recyclability	SUI Category	% Composition	Qty of Garbage	Reduction % Required by 2050	Reduction (Tonnes) in 2050	Diversion % at 2	Diverted Tonnes in 2050	Remaining Garbage (2050)
01 - Paper	001 - Junk Mail, Flyers, Unaddressed Mail	Recyclable - Residential Collection		0%	2463.24829	10%	246.324829	20%	492.6496579	1724.273803
01 - Paper	002 - Other Fine Office Paper or Envelopes	Recyclable - Residential Collection		1%	9457.310686	10%	945.7310686	20%	1891.462137	6620.11748
01 - Paper	003 - Newsprint	Recyclable - Residential Collection		0%	786.9174406	10%	78.69174406	20%	157.3834881	550.8422084
01 - Paper	004 - Clean Recyclable OCC	Recyclable - Residential Collection		3%	24593.13954	10%	2459.313954	20%	4918.627907	17215.19768
01 - Paper	005 - Waxed OCC	Non-Recyclable		1%	5350.482326	0%	0	0%	0	5350.482326
01 - Paper	006 - Other Soiled OCC	Recyclable - Residential Collection		0%	2730.966757	10%	273.0966757	20%	546.1933514	1911.67673
01 - Paper	007 - Cereal Boxes and Other Box Packaging	Recyclable - Residential Collection		2%	17528.95456	10%	1752.895456	20%	3505.790912	12270.26819
01 - Paper	008 - Telephone Books	Recyclable - Residential Collection		0%	341.9950557	10%	34.19950557	20%	68.39901114	239.396539
01 - Paper	009 - Magazines	Recyclable - Residential Collection		0%	924.250629	10%	92.4250629	20%	184.8501258	646.9754403
01 - Paper	010 - Books	Recyclable - Depot Drop-off		0%	1851.188185	0%	0	20%	370.2376369	1480.950548
01 - Paper	011 - Dairy or Dairy Substitute	Recyclable - Depot Drop-off		0%	1035.365794	0%	0	20%	207.0731588	828.2926353
01 - Paper	012 - Non-Dairy/Deposit	Recyclable - Depot Drop-off		0%	433.3469728	0%	0	20%	86.66939456	346.6775782
01 - Paper	013 - Plastic-Lined Paper Hot Cups	Recyclable - Residential Collection	Cups	0%	4679.117854	30%	1403.735356	20%	935.8235707	2339.558927
01 - Paper	014 - Plastic-Lined Paper Cold Cups	Recyclable - Residential Collection	Cups	0%	800.1344537	30%	240.0403361	20%	160.0268907	400.0672269
01 - Paper	015 - Plastic-Lined Paper Cups Labeled Compostable	Recyclable - Residential Collection	Cups	0%	209.0323707	30%	62.70971122	0%	0	146.3226595
01 - Paper	016 - Paper Straws	Green Bin	Straws	0%	398.2141651	30%	119.4642495	20%	79.64283302	199.1070826
01 - Paper	017 - Unlined Paper Takeout Containers	Recyclable - Residential Collection	Takeout Containers	0%	2241.336795	30%	672.4010386	20%	448.2673591	1120.668398
01 - Paper	018 - Plastic-Lined Paper Takeout Containers	Recyclable - Residential Collection	Takeout Containers	0%	3369.87759	30%	1010.963277	20%	673.975518	1684.938795
01 - Paper	019 - Plastic-Lined Paper Takeout Containers	Recyclable - Residential Collection	Takeout Containers	0%	1679.909046	30%	503.9727139	20%	335.9818093	839.9545231
01 - Paper	020 - Paper bags	Recyclable - Residential Collection	Retail Bags	1%	7837.357889	30%	2351.207367	20%	1567.471578	3918.678944
01 - Paper	021 - Paper Party Décor	Recyclable - Residential Collection		0%	18.93008959	30%	5.679026876	20%	3.786017917	9.465044793
01 - Paper	022 - Other Recyclable Paper	Recyclable - Residential Collection		0%	4451.042625	10%	445.1042625	20%	890.208525	3115.729837
01 - Paper	023 - Other Compostable Paper	Green Bin		5%	50838.51324	0%	0	40%	20335.4053	30503.10795
01 - Paper	024 - Non-compostable, non-recyclable paper	Non-Recyclable		2%	14677.3164	0%	0	0%	0	14677.3164
02 - Plastic	025 - Re-Used HDPE & LDPE Plastic Bags	Recyclable - Depot Drop-off	Retail Bags	0%	574.3671728	30%	172.3101518	30%	172.3101518	229.7468691
02 - Plastic	026 - Empty HDPE & LDPE Plastic Bags	Recyclable - Depot Drop-off	Retail Bags	0%	439.1813731	30%	131.7544119	30%	131.7544119	175.6725492
02 - Plastic	027 - HDPE & LDPE Consumables Packaging Bags and Film	Recyclable - Depot Drop-off		3%	25105.12825	30%	7531.538474	30%	7531.538474	10042.0513
02 - Plastic	028 - Other Flexible Plastic Packaging (Multi-Layered and Other Flexible Resin)	Recyclable - Depot Drop-off		1%	13104.56614	30%	3931.369842	30%	3931.369842	5241.826456
02 - Plastic	029 - Garbage & Recycling Bags	Non-Recyclable		1%	12093.87538	0%	0	30%	3628.162614	8465.712765
02 - Plastic	030 - Freezer and Sandwich Bags	Recyclable - Depot Drop-off		0%	1991.553712	30%	597.4661135	30%	597.4661135	796.6214846
02 - Plastic	031 - Deposit Beverage Pouches	Recyclable - Depot Drop-off		0%	311.8943432	0%	0	10%	31.18943432	280.7049089
02 - Plastic	032 - Other Plastic Film	Recyclable - Depot Drop-off		1%	5287.503277	30%	1586.250983	30%	1586.250983	2115.001311
02 - Plastic	033 - Clothing and accessories	Recyclable - Specialty		1%	8790.75738	30%	2637.227214	0%	0	6153.530166
02 - Plastic	034 - Household	Recyclable - Specialty		1%	11101.85886	30%	3330.557658	0%	0	7771.301202
02 - Plastic	035 - Reusable bags	Recyclable - Specialty	Bags	0%	1409.754164	0%	0	10%	140.9754164	1268.778748
02 - Plastic	036 - Other	Recyclable - Specialty	Bags	2%	17569.19662	30%	5270.758985		0	12298.43763
02 - Plastic	037 - Deposit Containers - Dairy or Dairy Substitute	Recyclable - Depot Drop-off		0%	1374.154741	30%	412.2464224	10%	137.4154741	824.4928448
02 - Plastic	038 - Deposit Containers – Water	Recyclable - Depot Drop-off		0%	1158.727704	30%	347.6183113	10%	115.8727704	695.2366226
02 - Plastic	039 - Deposit Containers – Other	Recyclable - Depot Drop-off		0%	1915.483898	30%	574.6451694	10%	191.5483898	1149.290339
02 - Plastic	040 - Rigid Plastic Cups	Recyclable - Residential Collection	Cups	0%	1813.850679	30%	544.1552038	20%	362.7701359	906.9253396
02 - Plastic	041 - Other	Non-Recyclable		0%	80.4329817	0%	0	0%	0	80.4329817
02 - Plastic	042 - # 1 PETE – Bottles and Jars	Recyclable - Residential Collection		0%	2068.651609	30%	620.5954826	10%	206.8651609	1241.190965
02 - Plastic	043 - #1 PETE – Other Packaging	Recyclable - Residential Collection		0%	4248.837908	30%	1274.651372	10%	424.8837908	2549.302745
02 - Plastic	044 - #2 HDPE – Bottles and Jugs	Recyclable - Residential Collection		0%	3088.342821	30%	926.5028462	10%	308.8342821	1853.005692

Primary Category	Tertiary Category	Recyclability	SUI Category	% Composition	Qty of Garbage	Reduction % Required by 2050	Reduction (Tonnes) in 2050	Diversion % at 1	Diverted Tonnes in 2050	Remaining Garbage (2050)
02 - Plastic	045 - #2 HDPE – Tubs and Lids	Recyclable - Residential Collection		0%	1072.135433	30%	321.6406298	10%	107.2135433	643.2812596
02 - Plastic	046 - #3 PVC	Recyclable - Specialty		0%	20.55716104	30%	6.167148313	0%	0	14.39001273
02 - Plastic	047 - #4 LDPE	Recyclable - Residential Collection		0%	85.1151979	30%	25.53455937	10%	8.51151979	51.06911874
02 - Plastic	048 - #5 PP	Recyclable - Residential Collection		0%	4232.489872	30%	1269.746962	10%	423.2489872	2539.493923
02 - Plastic	049 - #6 PS – Non-Foam	Recyclable - Residential Collection		0%	1017.886157	30%	305.3658471	10%	101.7886157	610.7316941
02 - Plastic	050 - #6 PS – Packing Foam	Recyclable - Residential Collection		0%	1303.753649	30%	391.1260946	10%	130.3753649	782.2521892
02 - Plastic	051 - Foam Cups	Recyclable - Depot Drop-off	Cups	0%	18.29502717	30%	5.488508152	20%	3.659005435	9.147513587
02 - Plastic	052 - Foam Takeout Containers	Recyclable - Depot Drop-off	Takeout Containers	0%	14.27740651	30%	4.283221954	20%	2.855481303	7.138703256
02 - Plastic	053 - #6 PS – Foam foodware	Recyclable - Depot Drop-off		0%	1409.158145	30%	422.7474435	10%	140.9158145	845.4948871
02 - Plastic	054 - #6 PS – Other PS Foam	Recyclable - Depot Drop-off		0%	1987.905078	30%	596.3715234	10%	198.7905078	1192.743047
02 - Plastic	055 - Other Foam	Recyclable - Depot Drop-off		0%	1304.241697	30%	391.272509	10%	130.4241697	782.545018
02 - Plastic	056 - #7 Mixed Resin Plastic	Recyclable - Residential Collection		0%	197.2936161	30%	59.18808483	10%	19.72936161	118.3761697
02 - Plastic	057 - Uncoded Packaging/Containers	Recyclable - Residential Collection		0%	4272.145105	30%	1281.643531	10%	427.2145105	2563.287063
02 - Plastic	058 - Rigid Plastic takeout Containers	Recyclable - Residential Collection	Takeout Containers	1%	4901.349656	30%	1470.404897	20%	980.2699312	2450.674828
02 - Plastic	059 - Non-durable Plastic Food Containers	Recyclable - Residential Collection		0%	202.9320416	30%	60.87961248	10%	20.29320416	121.759225
02 - Plastic	060 - Durable Plastic Products	Non-Recyclable		5%	42609.84005	0%	0	0%	0	42609.84005
02 - Plastic	061 - Plastic Straws	Recyclable - Residential Collection	Straws	0%	54.28598682	30%	16.28579605	20%	10.85719736	27.14299341
02 - Plastic	062 - Plastic Utensils	Recyclable - Residential Collection	Utensils	0%	556.2188999	30%	166.86567	20%	111.24378	278.10945
02 - Plastic	063 - Coffee Pods	Recyclable - Specialty		0%	2850.392033	15%	427.5588049	0%	0	2422.833228
02 - Plastic	064 - Other/Mixed Plastics	Recyclable - Specialty		0%	1007.156762	15%	151.0735143	0%	0	856.0832475
03 - Compostable Plastic	065 - Rigid Plastic Cups Labeled Compostable	Non-Recyclable	Cups	0%	0	0%	0	0%	0	0
03 - Compostable Plastic	066 - Plastic Takeout Containers Labeled Compostable	Non-Recyclable	Takeout Containers	0%	10.47061121	0%	0	0%	0	10.47061121
03 - Compostable Plastic	067 - Other Foodware Labeled Compostable	Non-Recyclable	Takeout Containers	0%	32.18416434	0%	0	0%	0	32.18416434
03 - Compostable Plastic	068 - #7 Bio Flexible - Plastic Bags Labeled Compostable	Non-Recyclable	Retail Bags	0%	111.1822012	0%	0	0%	0	111.1822012
03 - Compostable Plastic	069 - #7 Bio Flexible - Bags and Liners	Non-Recyclable		0%	412.6290851	0%	0	0%	0	412.6290851
03 - Compostable Plastic	070 - Packaging , Bottles	Non-Recyclable		0%	0	0%	0	0%	0	0
04 - Compostable Organics	071 - Small Yard Waste	Green Bin		1%	4960.531206	0%	0	30%	1488.159362	3472.371844
04 - Compostable Organics	072 - Large Yard Waste	Green Bin		0%	1866.618651	0%	0	30%	559.9855954	1306.633056
04 - Compostable Organics	073 - Unavoidable Food Waste	Green Bin		7%	68603.94147	40%	27441.57659	30%	20581.18244	20581.18244
04 - Compostable Organics	074 - Plate Scrapings, Unfinished Meals	Green Bin		3%	31505.70123	40%	12602.28049	30%	9451.71037	9451.71037
04 - Compostable Organics	075 - Whole Fruits and Vegetables	Green Bin		2%	19391.17579	40%	7756.470315	30%	5817.352737	5817.352737
04 - Compostable Organics	076 - Whole Meats, Fish	Green Bin		1%	8145.885094	40%	3258.354038	30%	2443.765528	2443.765528
04 - Compostable Organics	077 - Full/Unused Ready-Made	Green Bin		0%	3939.714861	40%	1575.885944	30%	1181.914458	1181.914458
04 - Compostable Organics	078 - Baked Goods	Green Bin		1%	9818.49787	40%	3927.399148	30%	2945.549361	2945.549361
04 - Compostable Organics	079 - Dairy	Green Bin		0%	4543.359511	40%	1817.343804	30%	1363.007853	1363.007853
04 - Compostable Organics	080 - Liquids (drinks, oil in package)	Green Bin		1%	6605.573762	40%	2642.229505	30%	1981.672129	1981.672129
04 - Compostable Organics	081 - Candy and snacks	Green Bin		1%	6206.690186	40%	2482.676074	30%	1862.007056	1862.007056
04 - Compostable Organics	082 - Condiments and sauces	Green Bin		1%	6694.849647	40%	2677.939859	30%	2008.454894	2008.454894
04 - Compostable Organics	083 - Pet food	Green Bin		0%	1304.137352	40%	521.6549407	30%	391.2412055	391.2412055
04 - Compostable Organics	084 - Wood Pallets	Recyclable - Depot Drop-off		1%	7826.082435	20%	1565.216487	65%	5086.953583	1173.912365
04 - Compostable Organics	085 - Unfinished Wood Furniture	Recyclable - Depot Drop-off		0%	2429.583686	20%	485.9167372	65%	1579.229396	364.4375529

Primary Category	Tertiary Category	Recyclability	SUI Category	% Composition	Qty of Garbage	Reduction % Required by 2050	Reduction (Tonnes) in 2050	Diversion % at 2	Diverted Tonnes in 2050	Remaining Garbage (2050)
04 - Compostable Organics	086 - Wood Utensils	Green Bin	Utensils	0%	1521.120015	30%	456.3360045	20%	304.224003	760.5600075
04 - Compostable Organics	087 - Other Wood	Recyclable - Depot Drop-off		3%	24945.76213	20%	4989.152425	65%	16214.74538	3741.864319
04 - Compostable Organics	088 - Manure, Slaughterhouse, Animals	Recyclable - Specialty		0%	0	0%	0	0%	0	0
05 - Non-Compostable Organics	089 - Pressure Treated Wood	Non-Recyclable		4%	41471.19334	20%	8294.238668	65%	26956.27567	6220.679001
05 - Non-Compostable Organics	090 - Finished Wood	Non-Recyclable		7%	62219.17095	20%	12443.83419	65%	40442.46112	9332.875642
05 - Non-Compostable Organics	091 - Finished Wood Furniture	Non-Recyclable		1%	12654.11452	20%	2530.822903	65%	8225.174436	1898.117178
05 - Non-Compostable Organics	092 - Natural Fiber Clothing	Recyclable - Specialty		1%	7893.039732	15%	1183.95596	10%	789.3039732	5919.779799
05 - Non-Compostable Organics	093 - Household	Recyclable - Specialty		1%	6057.820095	15%	908.6730143	10%	605.7820095	4543.365072
05 - Non-Compostable Organics	094 - Reusable bags	Recyclable - Specialty	Bags	0%	1737.350084	0%	0	0%	0	1737.350084
05 - Non-Compostable Organics	095 - Other	Recyclable - Specialty		0%	1172.474996	0%	0	0%	0	1172.474996
05 - Non-Compostable Organics	096 - Tires	Recyclable - Depot Drop-off		0%	155.9610694	0%	0	10%	15.59610694	140.3649624
05 - Non-Compostable Organics	097 - Other Rubber	Non-Recyclable		0%	1799.458034	0%	0	0%	0	1799.458034
05 - Non-Compostable Organics	098 - Leather	Non-Recyclable		0%	1175.414997	30%	352.6244991	0%	0	822.7904978
05 - Non-Compostable Organics	100 - Other	Recyclable - Specialty		0%	3592.524818	0%	0	0%	0	3592.524818
06 - Metals	101 - Food Containers	Recyclable - Residential Collection		0%	4014.986777	30%	1204.496033	10%	401.4986777	2408.992066
06 - Metals	102 - Spiral-Wound Containers	Recyclable - Residential Collection		0%	384.6313243	30%	115.3893973	10%	38.46313243	230.7787946
06 - Metals	103 - Other Ferrous	Recyclable - Depot Drop-off		0%	97.02738036	30%	29.10821411	10%	9.702738036	58.21642822
06 - Metals	104 - Food Containers	Recyclable - Residential Collection		0%	237.6528764	30%	71.29586292	10%	23.76528764	142.5917258
06 - Metals	105 - Alcoholic	Recyclable - Depot Drop-off		0%	1130.937909	30%	339.2813728	10%	113.0937909	678.5627455
06 - Metals	106 - Non-Alcoholic	Recyclable - Depot Drop-off		0%	1617.052305	30%	485.1156916	10%	161.7052305	970.2313833
06 - Metals	107 - Food Containers	Recyclable - Residential Collection		0%	229.3831062	30%	68.81493187	10%	22.93831062	137.6298637
06 - Metals	108 - Foil Trays, Wrap	Recyclable - Residential Collection		0%	2783.235069	30%	834.9705208	10%	278.3235069	1669.941042
06 - Metals	109 - Other Non-Ferrous	Recyclable - Residential Collection		0%	270.01352	30%	81.00405601	10%	27.001352	162.008112
06 - Metals	110 - Household	Recyclable - Depot Drop-off		1%	11266.67174	30%	3380.001522	10%	1126.667174	6760.003044
06 - Metals	111 - Machine Parts	Recyclable - Specialty		0%	589.5662549		0	0%	0	589.5662549
06 - Metals	112 - Construction/Industrial	Recyclable - Specialty		1%	8579.767377		0	0%	0	8579.767377
07 - Glass	113 - Beer	Recyclable - Depot Drop-off		0%	828.2721318	30%	248.4816395	10%	82.82721318	496.9632791
07 - Glass	114 - Other Alcohol	Recyclable - Depot Drop-off		0%	3159.555303	30%	947.866591	10%	315.9555303	1895.733182
07 - Glass	115 - Non-Alcoholic & Non-Dairy	Recyclable - Depot Drop-off		0%	1884.435499	30%	565.3306497	10%	188.4435499	1130.661299
07 - Glass	116 - Dairy or Dairy Substitute	Recyclable - Depot Drop-off		0%	0	30%	0	10%	0	0
07 - Glass	117 - Food Containers	Recyclable - Residential Collection		0%	3995.096818	30%	1198.529045	10%	399.5096818	2397.058091
07 - Glass	118 - Other Glass and Ceramics	Non-Recyclable		3%	24183.67011	0%	0	0%	0	24183.67011
07 - Glass	119 - Light bulbs (Non-hazardous)	Recyclable - Depot Drop-off		0%	259.5722501	0%	0	10%	25.95722501	233.6150251
08 - Building Material	120 - Gypsum/Drywall	Recyclable - Specialty		0%	2927.787823	20%	585.5575645	65%	1903.062085	439.1681734
08 - Building Material	121 - Masonry	Recyclable - Specialty		0%	376.9420034	20%	75.38840068	0%	0	301.5536027
08 - Building Material	122 - Rock, Sand, Dirt	Recyclable - Specialty		1%	9327.267072	20%	1865.453414	0%	0	7461.813657
08 - Building Material	123 - Rigid Asphalt	Recyclable - Specialty		0%	0	0%	0	0%	0	0
08 - Building Material	124 - Carpet	Recyclable - Specialty		1%	6413.796366	20%	1282.759273	0%	0	5131.037093
08 - Building Material	125 - Underlay	Recyclable - Specialty		0%	3534.426542	20%	706.8853084	0%	0	2827.541234
08 - Building Material	126 - Other Inorganics	Non-Recyclable		2%	19453.09409	20%	3890.618819	0%	0	15562.47527
09 - Electronic Waste	127 - Desktop Computers	Recyclable - Depot Drop-off		0%	0	10%	0	10%	0	0
09 - Electronic Waste	128 - Notebook Computers	Recyclable - Depot Drop-off		0%	745.3090968	10%	74.53090968	10%	74.53090968	596.2472775
09 - Electronic Waste	129 - Computer Peripherals	Recyclable - Depot Drop-off		0%	353.104664	10%	35.3104664	10%	35.3104664	282.4837312
09 - Electronic Waste	130 - Computer Monitors	Recyclable - Depot Drop-off		0%	0	10%	0	10%	0	0
09 - Electronic Waste	131 - Printers, Scanners	Recyclable - Depot Drop-off		0%	145.4574899	10%	14.54574899	10%	14.54574899	116.365992
09 - Electronic Waste	132 - Televisions	Recyclable - Depot Drop-off		0%	11.24294192	10%	1.124294192	10%	1.124294192	8.994353539
09 - Electronic Waste	133 - Other Audio/Video	Recyclable - Depot Drop-off		0%	389.2902501	10%	38.92902501	10%	38.92902501	311.4322001
09 - Electronic Waste	134 - Mobile Phones & Accessories	Recyclable - Depot Drop-off		0%	164.3143822	10%	16.43143822	10%	16.43143822	131.4515058
09 - Electronic Waste	135 - Other	Recyclable - Depot Drop-off		0%	487.2267153	10%	48.72267153	10%	48.72267153	389.7813722

Primary Category	Tertiary Category	Recyclability	SUI Category	% Composition	Qty of Garbage	Reduction % Required by 2050	Reduction (Tonnes) in 2050	Diversion % at 1	Diverted Tonnes in 2050	Remaining Garbage (2050)
09 - Electronic Waste	136 - Small Appliances & Floor Care Appliances	Recyclable - Depot Drop-off		0%	2074.714264	10%	207.4714264	10%	207.4714264	1659.771411
09 - Electronic Waste	137 - Electronic Toys	Recyclable - Depot Drop-off		0%	681.0882063	10%	68.10882063	10%	68.10882063	544.8705651
09 - Electronic Waste	138 - Smoke Detectors	Recyclable - Depot Drop-off		0%	27.05194892	10%	2.705194892	10%	2.705194892	21.64155913
09 - Electronic Waste	139 - Other Electronics	Recyclable - Depot Drop-off		1%	6288.309158	10%	628.8309158	10%	628.8309158	5030.647326
10 - Household Hazardous	140 - Lead Acid	Recyclable - Specialty		0%	0	0%	0	10%	0	0
10 - Household Hazardous	141 - Household Batteries (Non Lithium-Ion)	Recyclable - Depot Drop-off		0%	513.9808849	0%	0	10%	51.39808849	462.5827964
10 - Household Hazardous	142 - Lithium Ion Batteries	Recyclable - Depot Drop-off		0%	0	0%	0	10%	0	0
10 - Household Hazardous	143 - Sharps	Non-Recyclable		0%	90.30227161	0%	0	0%	0	90.30227161
10 - Household Hazardous	144 - Animal Carcass	Recyclable - Specialty		0%	194.0833292	0%	0	0%	0	194.0833292
10 - Household Hazardous	145 - Other	Non-Recyclable		1%	7460.829075	0%	0	0%	0	7460.829075
10 - Household Hazardous	146 - Stains/Preservatives	Recyclable - Specialty		0%	449.6891647	0%	0	10%	44.96891647	404.7202483
10 - Household Hazardous	147 - Latex Paint	Recyclable - Depot Drop-off		0%	698.2615203	0%	0	10%	69.82615203	628.4353683
10 - Household Hazardous	148 - Oil-Based Paint	Recyclable - Depot Drop-off		0%	612.2346872	0%	0	10%	61.22346872	551.0112185
10 - Household Hazardous	149 - Paint Aerosols	Recyclable - Depot Drop-off		0%	148.1090778	0%	0	10%	14.81090778	133.29817
10 - Household Hazardous	150 - Solvents	Recyclable - Depot Drop-off		0%	2405.138385	0%	0	10%	240.5138385	2164.624547
10 - Household Hazardous	151 - Cleaners, Soaps etc.	Non-Recyclable		0%	875.3659659	0%	0	0%	0	875.3659659
10 - Household Hazardous	152 - Pesticides/Herbicides/Preservatives	Recyclable - Depot Drop-off		0%	61.39515694	0%	0	10%	6.139515694	55.25564124
10 - Household Hazardous	153 - Motor Oil	Recyclable - Depot Drop-off		0%	8.208477336	0%	0	10%	0.820847734	7.387629602
10 - Household Hazardous	154 - Oil Filters	Recyclable - Depot Drop-off		0%	5.235305603	0%	0	10%	0.52353056	4.711775043
10 - Household Hazardous	155 - Antifreeze	Recyclable - Depot Drop-off		0%	0	0%	0	10%	0	0
10 - Household Hazardous	156 - Pharmaceuticals	Recyclable - Specialty		0%	1621.568454	0%	0	10%	162.1568454	1459.411609
10 - Household Hazardous	157 - Other Petroleum Based Products	Recyclable - Specialty		0%	684.9529709	0%	0	10%	68.49529709	616.4576738
10 - Household Hazardous	158 - Other	Recyclable - Specialty		0%	812.5622416	0%	0	10%	81.25622416	731.3060174
10 - Household Hazardous	159 - Thermostats and Switches	Recyclable - Depot Drop-off		0%	0	0%	0	10%	0	0
10 - Household Hazardous	160 - CFLs	Recyclable - Depot Drop-off		0%	0	0%	0	10%	0	0
10 - Household Hazardous	161 - Other HHW or Containers	Recyclable - Specialty		0%	47.16554532	0%	0	10%	4.716554532	42.44899079
11 - Household Hygiene	162 - Diapers	Non-Recyclable		3%	28759.69418	0%	0	0%	0	28759.69418
11 - Household Hygiene	163 - Pet Waste	Recyclable - Specialty		4%	33966.8033	0%	0	0%	0	33966.8033
11 - Household Hygiene	164 - Other (sanitary products, condoms)	Non-Recyclable		1%	6186.038545	0%	0	0%	0	6186.038545
11 - Household Hygiene	165 - Masks	Non-Recyclable	Masks	0%	307.6528362	0%	0	0%	0	307.6528362
11 - Household Hygiene	166 - Gloves	Non-Recyclable	Gloves	0%	3422.325061	0%	0	0%	0	3422.325061
11 - Household Hygiene	167 - Wipes	Non-Recyclable	Wipes	0%	2245.403866	0%	0	0%	0	2245.403866
11 - Household Hygiene	168 - Personal Care	Non-Recyclable		0%	3773.730926	0%	0	0%	0	3773.730926
12 - Bulky Objects	169 - Large Appliances	Recyclable - Depot Drop-off		0%	0	20%	0	10%	0	0
12 - Bulky Objects	170 - Mattresses, Box Springs	Recyclable - Depot Drop-off		0%	734.013799	0%	0	20%	146.8027598	587.2110392
12 - Bulky Objects	171 - Other Upholstered Furniture	Recyclable - Specialty		2%	15203.10245	20%	3040.62049	0%	0	12162.48196
12 - Bulky Objects	172 - Other Furniture	Recyclable - Specialty		0%	1582.993615	20%	316.598723	0%	0	1266.394892
13 - Fines	173 - Fines	Non-Recyclable		1%	13923.35441	0%	0	0%	0	13923.35441
02 - Plastic	174 - Recycle BC Uncoded	Recyclable - Residential Collection		0%	259.7776056	30%	77.93328169	10%	25.97776056	155.8665634
05 - Non-Compostable Organics	99 - Composite Organic Materials (shoes)	Recyclable - Specialty		0%	4412.365805	30%	1323.709742	0%	0	3088.656064

C&D WASTE COMPOSITION PROJECTIONS

	2025 - Remaining	Reduction Tonnes in 2040	Diverted Tonnes in 2040	Remaining Garbage 2040
Summary	371,972.00	55,134.31	72,185.31	244,652.38

Reduction Tonnes in 2050	Diverted Tonnes in 2050	Remaining Garbage 2050
91,890.52	120,308.85	159,772.63

2025			2050				
Primary Category	Tertiary Category	Qty in Garbage	Reduction % Required by 2050	Reduction (Tonnes) in 2050	Diversion % at 2050	Diverted Tonnes in 2050	Remaining Garbage (2050)
Wood	Dimensional Lumber (unpainted, unstained, untreated) [Clean Wood]	18,302.35	35%	6,405.82	50%	9,151.17	2,745.35
Wood	Dimensional Lumber (stained, treated)	42,455.36	35%	14,859.37	50%	21,227.68	6,368.30
Wood	Dimensional Lumber (painted only)	10,372.74	35%	3,630.46	50%	5,186.37	1,555.91
Wood	Pallets (unpainted, unstained, untreated) [Clean Wood]	2,422.45	35%	847.86	50%	1,211.22	363.37
Wood	Pallets (stained, treated)	3,183.48	35%	1,114.22	50%	1,591.74	477.52
Wood	Pallets (painted only)	540.73	35%	189.26	50%	270.36	81.11
Wood	Wood flooring (i.e., hardwood, laminate)	1,880.19	35%	658.07	50%	940.09	282.03
Wood	Wood shakes and shingles	7,829.33	35%	2,740.26	50%	3,914.66	1,174.40
Wood	Composite (plywood)	33,863.48	35%	11,852.22	50%	16,931.74	5,079.52
Wood	Composite (fiberboard)	17,421.50	35%	6,097.53	50%	8,710.75	2,613.23
Wood	Particleboard	20,223.63	35%	7,078.27	50%	10,111.82	3,033.54
Wood	Salvageable Wood Fixtures (i.e. cabinets, shelves, doors)	18,515.65	35%	6,480.48	50%	9,257.82	2,777.35
Landclearing	Large Yard Waste (i.e. branches over 15cm diameter or 1m long)	11,027.19	35%	3,859.52	30%	3,308.16	3,859.52
Landclearing	Small Yard Waste, Green Waste	3,916.75	35%	1,370.86	30%	1,175.02	1,370.86
Paper	Cardboard	2,812.07	35%	984.23		-	1,827.85
Paper	Miscellaneous Paper (Office, Kraft, etc.)	3,356.00	35%	1,174.60		-	2,181.40
Plastics (Not expected to contai	Sheet or Film Plastic	769.10	35%	269.19		-	499.92
Plastics (Not expected to contai	Polystyrene/Styrofoam Packaging	404.21	35%	141.47		-	262.73
Plastics (Not expected to contai	Miscellaneous Plastics (Not expected to contain Chlorine)	17,101.95	35%	5,985.68		-	11,116.27
Plastics (Expected to contain Cl	PVC Pipes, Hoses, Cable Coatings, and Plumbing	8,885.67	35%	3,109.99		-	5,775.69
Plastics (Expected to contain Cl	Window Assemblies	476.22	35%	166.68		-	309.54
Plastics (Expected to contain Cl	Vinyl Siding and Flooring	7,369.47	35%	2,579.31		-	4,790.16
Plastics (Expected to contain Cl	Miscellaneous Plastics (Expected to contain Chlorine)	667.26	35%	233.54		-	433.72
Concrete	Poured with Rebar	751.08		-	70%	525.75	225.32
Concrete	Poured without Rebar	2,012.46		-	70%	1,408.72	603.74
Concrete	Preformed Blocks	3,479.97		-	70%	2,435.98	1,043.99

Primary Category	Tertiary Category	Qty in Garbage	Reduction % Required by 2050	Reduction (Tonnes) in 2050	Diversion % at 2050	Diverted Tonnes in 2050	Remaining Garbage (2050)
Concrete	Residuals	1,349.42		-	70%	944.60	404.83
Metals	Ferrous	2,219.54		-	70%	1,553.68	665.86
Metals	Non-ferrous	7,288.74		-	70%	5,102.12	2,186.62
Metals	Mixed Metals (i.e. Plumbing, Electrical, Flashing, Siding, Furniture)	3,536.02		-	70%	2,475.21	1,060.81
Masonry	Brick	821.29		-		-	821.29
Masonry	Stone	4,957.78		-		-	4,957.78
Masonry	Cinderblocks	899.98		-		-	899.98
Masonry	Marble/Granite Slabs	636.73		-		-	636.73
Asphalt	Pavement	234.72		-		-	234.72
Asphalt	Asphalt Shingles and Tarpaper	7,360.54		-	50%	3,680.27	3,680.27
Asphalt	Tar and Gravel Roofing	13,811.87		-	50%	6,905.93	6,905.93
Miscellaneous Building Material	Carpet	9,616.16	35%	3,365.66	10%	961.62	5,288.89
Miscellaneous Building Material	Underlay	4,611.02	35%	1,613.86	10%	461.10	2,536.06
Miscellaneous Building Material	Linoleum Flooring	2,319.46	35%	811.81	10%	231.95	1,275.70
Miscellaneous Building Material	Drywall	33.26	35%	11.64	10%	3.33	18.30
Miscellaneous Building Material	Lath and Plaster	2,849.15	35%	997.20	10%	284.91	1,567.03
Miscellaneous Building Material	Stucco Wall Finishing	1,505.90	35%	527.07	10%	150.59	828.25
Miscellaneous Building Material	Ceiling Tiles	30.08	35%	10.53	10%	3.01	16.54
Miscellaneous Building Material	Insulation (i.e. Fiberglass, Cellulose, Foam)	381.30	35%	133.46	10%	38.13	209.72
Miscellaneous Building Material	Laminate Flooring	1,533.24	35%	536.63	10%	153.32	843.28
Glass and Ceramics	Glass	723.96		-		-	723.96
Glass and Ceramics	Mirror Glass	82.18		-		-	82.18
Glass and Ceramics	Porcelain (i.e. Bathroom Fixtures)	3,388.38	35%	1,185.93		-	2,202.45
Glass and Ceramics	Indoor Tile (i.e. Wall Finishing, Flooring)	2,074.87	35%	726.21		-	1,348.67
Glass and Ceramics	Outdoor Tile (i.e. Roofing)	404.74	35%	141.66		-	263.08
Rubble/Soil	Rubble/Soil	22,770.08		-		-	22,770.08
Fines	Fines	-		-		-	-
Household Garbage	Household Garbage	19,956.26		-		-	19,956.26
Textiles	Textiles	3,528.61		-		-	3,528.61
Bulky Items	Bulky Items	5,005.49		-		-	5,005.49
Rubber	Tires, Tubing	3,231.17		-		-	3,231.17
Rubber	Rubber Roofing	3,012.69		-		-	3,012.69
Miscellaneous	Miscellaneous	1,757.06		-		-	1,757.06

From: Michelle Reining <Michelle@vancouverfoodrunners.com>
Sent: January 28, 2026 12:22 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: Stephanie Liu
Subject: Re: Reminder: Opportunity to Present to the Independent Consultation and Engagement Panel on the Solid Waste Management Plan Update – Options Analysis Engagement

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2.3.1. Work with businesses, industry associations, and non-profits to reduce food loss and waste by improving distribution, purchasing, storage, and preparation methods.

2.3.2. Share learnings through resources with a particular focus on the hospitality and entertainment sectors.

2.3.3. Develop and provide standardized food waste measurement tools, guidance, and technical support for commercial and institutional food sectors to support food waste prevention and continuous improvement.

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2.3.5. Expand any sector-specific food waste prevention resources and engagement to major institutional food sectors, including post-secondary institutions, healthcare facilities, large-scale catering operations, and food distributors.

STRATEGY 3.6

Scale efforts to recover food

Some businesses and organizations in the region produce surplus food, while others need donations as one way to support those who are experiencing food insecurity. Surplus food can also be turned into food products for human and animal consumption. Developing efficient ways to connect those with surplus food to those that need food can reduce waste and help address food insecurity. Metro Vancouver will strengthen and expand the regional food recovery network to help ensure food is put to its highest best
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3.6.1. Maintain and scale a regional food recovery network.

3.6.1.1. Further map out food recovery assets/food waste solutions for each stage of the food supply chain, including a focus on clarifying what foods can be donated to people and animals.

3.6.1.2. Work toward developing a complete set of food recovery data for the region and consider incentives to encourage reporting.

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236-479-0478

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From: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Sent: Tuesday, January 27, 2026 9:13 AM
To: Michelle Reining <Michelle@vancouverfoodrunners.com>
Cc: Stephanie Liu <Stephanie.Liu@metrovancouver.org>
Subject: RE: Reminder: Opportunity to Present to the Independent Consultation and Engagement Panel on the Solid Waste Management Plan Update – Options Analysis Engagement

Hi Michelle,

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Thanks so much, we always appreciate your input!

Brooke Atkinson
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Solid Waste Services
t. 604.451.6073

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Michelle Reining <Michelle@vancouverfoodrunners.com>
Sent: Tuesday, January 27, 2026 8:51 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: Reminder: Opportunity to Present to the Independent Consultation and Engagement Panel on the Solid Waste Management Plan Update – Options Analysis Engagement

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Sent: January 29, 2026 12:54 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: Stephanie Liu
Subject: Re: Reminder: Opportunity to Present to the Independent Consultation and Engagement Panel on the Solid Waste Management Plan Update – Options Analysis Engagement

Follow Up Flag: Follow up
Flag Status: Flagged

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Hi Stephanie and Brooke,

I had some notes on the Regional Food System Strategy (which I tidied up using Chat GPT), but I wasn't able to add them to the survey form. Here are some thoughts. Funding remains a huge concern for food recovery organizations.

Food Forward aligns well with many of the priorities outlined in the Draft Metro Vancouver Solid Waste Management Plan, particularly around reducing food waste in the commercial and institutional sectors, supporting a shift toward a circular food system, improving data and measurement, and strengthening regional coordination. The focus on sector engagement, practical tools, education, and bringing food system partners together reflects a thoughtful systems approach and recognizes the links between food waste reduction, food recovery, and food insecurity.

The strategy also does a good job recognizing the important role nonprofit organizations and community groups play in rescuing and redistributing surplus food, especially during times of disruption and emergency response. The proposed actions to convene regional Food Alliances, improve data sharing, and better integrate food recovery into regional planning are positive steps toward greater collaboration and efficiency.

That said, a major gap in the strategy is the lack of clear, sustainable funding mechanisms for food recovery operations. While Food Forward highlights the importance of food recovery and circular economy efforts, it tends to frame food recovery mainly as a coordination and data challenge, without fully addressing the real costs of running large-scale recovery systems.

The Vancouver Food Recovery Network — made up of Vancouver Food Runners, CityReach Care Society, Quest Nonprofit Grocery Market, and Food Stash — collectively rescues and redistributes about 5 million pounds of surplus food each year, creating meaningful food security and climate benefits. Despite this impact, less than 5% of the network's combined funding comes from government sources, with most support coming from grants, donations, and volunteers. At the same time, food recovery organizations carry the operational costs of collecting and redistributing surplus food, with no financial support from donating businesses and minimal support from government.

Food Forward would be stronger if it clearly recognized food recovery as essential regional infrastructure — similar to other waste diversion and climate action systems — and explored long-term funding approaches to support ongoing operations and growth. This could include operating funding, diversion incentives tied to greenhouse gas reductions, service agreements within waste management systems, and links to climate and circular economy funding.

Without stable, long-term funding in place, many of the strategy's goals around food waste reduction, circularity, emergency preparedness, and food insecurity will be difficult to achieve at the scale needed across the region.

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Sent: Wednesday, January 28, 2026 12:21 PM
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Thanks!

From: Metro Vancouver - Solid Waste
Sent: February 12, 2026 1:25 PM
To: 'Olga Schwartzkopf'
Subject: RE: Outstanding Questions on updated solid waste plan

Hi Olga,

Our team has responded to your questions – please see below for their responses in red. If you have more to say about the engagement for the soldi waste management plan update or would like to give additional feedback on the initial draft plan, please feel free to reach out through email or request a phone call with one of our staff.

Thanks for your interest in the solid waste management plan update process.

Metro Vancouver Solid Waste team

1, The Vancouver Landfill - I assume that is the one at Burns Bog.

Correct.

When does that contract expire? With whom is the contract?

The Vancouver Landfill operates according to an agreement between Metro Vancouver, the City of Vancouver, and the City of Delta. The agreement expires in approximately 2050.

Is it Delta or the entities who are in control of the decisions being made with respect to Burns Bog?

The Burns Bog Ecological Conservancy Area is co-managed by Metro Vancouver and the City of Delta. Delta, Metro Vancouver, and the provincial and federal government are working together to carry out a 100-year vision for Burns Bog that will preserve and restore the bog ecosystem.

Is the plan to go "Higher or Wider"?

The Vancouver Landfill will continue to operate within the previously agreed upon footprint and height.

Are we approaching capacity in terms of weight on that site?

The agreement expires the earlier of 2050 or filling to capacity based on the historically agreement height and footprint. There is no specific maximum total tonnage specified in the agreement.

Is the methane removal and use for energy still an active pursuit?

The Vancouver Landfill is owned and operated by the City of Vancouver. They continue to collect landfill gas, a portion of which is utilized in renewable natural gas facilities.

I hope that public tours in the landfill are going to continue into the future for public education and promotion of engagement with citizens.

The City of Vancouver offers educational opportunities for schools and the general public. For more information, please contact the City of Vancouver.

2. Where and by what means is the solid waste moved from the cruise ships that come into the Port Authority sites? Including the freighters who also must have to dispose of waste? Is there any expense sharing with the

federal government or whoever is considered to be the owners of our ports? Same issues with BC Ferry Service including the Refit facility near the mouth of the Fraser River?

The Canadian Food Inspection Agency requires that international marine waste (defined as waste from vessels not coming from U.S. ports) be disposed of at the Waste-to-Energy Facility. Other marine waste can be disposed of at any of the regional solid waste facilities.

3. Medical waste - from local hospitals, marine vessels, clinics, research facilities, industrial medical, university laboratories,- is medical waste still being sent south of the border for incineration? Are there any plans to have a biological waste incinerator within our own borders? How is medical waste transported to any incinerator? Plastics are a large part of medical waste, especially in the treatment of cancers using chemotherapy - where does all that go? We have several cancer treatment facilities so this is not a small matter, especially when you see the statistics of the number of people receiving treatment these days, along with waiting lists.

Regular garbage from hospitals in the region is delivered to the Metro Vancouver Waste-to-Energy Facility. Biomedical waste is delivered to private facilities. Metro Vancouver is not working on any plans for disposal of biomedical or other similar waste.

4. The Bird Sanctuary on Westham Island - Bird Flu deaths - how or where were the dead birds buried or tracked for disposal and prevention of the spread of the virus. How long after burial is the soil examined for safety to grow and/or consume plants from those areas? I assume these areas exist within Metro or what used to be the GVRD. Health Canada and Ag Canada must look after the domesticated birds from private farms.

The Bird Sanctuary on Westham Island is not managed by Metro Vancouver. These questions would be better directed to the responsible agencies.

5. The category of Residuals - I assume that includes the flocculants, etc from the Seymour Freshwater Treatment Plant. Do you also count as residuals the waste from the sewage treatment plants? I know there is some application to farmland and sale at some garden centres and maybe some municipalities use it in the parks, in public gardens?

The definition of Residuals in the initial draft of the solid waste plan means the fraction of municipal solid waste that is left after prevention, reuse, and recycling and is destined for disposal. Metro Vancouver also manages residuals from the Seymour Capilano Filtration Plant (Drinking Water Treatment Residuals) and from the region's Wastewater Treatment Plants (biosolids). Drinking Water Treatment Residuals are beneficially used under the Drinking Water Management Plan and the beneficial use of biosolids is mandated under the Liquid Waste Management Plan. For over 35 years, Metro Vancouver has safely and responsibly used biosolids across BC to restore land, create healthy soil and bring vegetation back to life. If you would like to learn more about how Metro Vancouver beneficially uses biosolids please visit www.nutrifor.ca. Liquid waste system residuals that cannot be beneficially used are disposed in accordance with the solid waste management plan.

6. I notice that Value Village and some Thrift stores are receiving materials that are of such poor quality that they are not worth selling or will not have any buyers, are they included in some of your tables as contributors for reuse, recycling or just waste/garbage?

Our solid waste statistics do not include information on the origin of materials for disposal, beyond whether they are residential, commercial, institutional, or construction and demolition. Material that is disposed of

would be counted in our overall garbage estimate. Textile reuse is not included in recycling statistics. We are working on ways to better estimate reuse, which would be considered a separate metric.

7. Incinerators - is there still a contract with the Burnaby Incinerator?

Metro Vancouver continues to own and manage the Waste-to-Energy Facility in Burnaby.

Are you building a new incinerator for energy production for multifamily housing?

these are separate entities, I assume. Is there more information about the differences of which waste categories will be incinerated in each facility? I assume there would be limitations on what you could burn in an energy recovery system for residential properties.

Metro Vancouver has no plans to build an additional Waste-to-Energy facility. Metro Vancouver is developing a district energy system to supply heat and hot water to up to 50,000 homes in Vancouver and Burnaby. This system will utilize energy from the existing Waste-to-Energy facility in Burnaby.

- About Waste-to-Energy Facility | Metro Vancouver
- Waste-to-Energy Facility District Energy System | Metro Vancouver

8. It would be worthwhile to check out how the City of Montreal deals with Building Demolition. I had attended federal workshops on disposal of demolition materials. They had the most solutions, along with rules, among all municipalities represented at the time.

Through the National Zero Waste Council, an initiative of Metro Vancouver, we work collaboratively with jurisdictions across Canada, including the City of Montreal, who is a leader in many circular economy initiatives.

From: Metro Vancouver - Solid Waste
Sent: Wednesday, February 4, 2026 10:24 AM
To: 'Olga Schwartzkopf' [redacted]
Subject: RE: Outstanding Questions on updated solid waste plan

Hi Olga,

Thank you for taking the time to review the draft plan and share your detailed, thoughtful questions and observations. We appreciate the care and experience that went into your comments.

We're working to gather the information needed to address each of your questions. A more detailed response is being prepared and will be sent to you as soon as possible.

Thank you for your engagement and for contributing to solid waste management plan update process.

Sincerely,
Metro Vancouver Solid Waste team

From: Olga Schwartzkopf [redacted]
Sent: Tuesday, January 27, 2026 1:12 PM

To: Metro Vancouver - Solid Waste <solidwasteoperations@metrovancouver.org>
Subject: Outstanding Questions on updated solid waste plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

To Committee or whoever answers questions related to the new plan:

I have reviewed the latest draft plan. It is impressive and comprehensive, very detailed especially the tables and graphs, etc. But some information is missing or not referenced. I am looking for updates on a number of issues which may or may not be embedded in those tables, graphs, etc. They are as follows:

1, The Vancouver Landfill - I assume that is the one at Burns Bog. When does that contract expire? With whom is the contract? Is it Delta or the entities who are in control of the decisions being made with respect to Burns Bog? Is the plan to go "Higher or Wider"? Are we approaching capacity in terms of weight on that site? Is the methane removal and use for energy still an active pursuit? I hope that public tours in the landfill are going to continue into the future for public education and promotion of engagement with citizens.

2. Where and by what means is the solid waste moved from the cruise ships that come into the Port Authority sites? Including the freighters who also must have to dispose of waste? Is there any expense sharing with the federal government or whoever is considered to be the owners of our ports? Same issues with BC Ferry Service including the Refit facility near the mouth of the Fraser River?

3. Medical waste - from local hospitals, marine vessels, clinics, research facilities, industrial medical, university laboratories,- is medical waste still being sent south of the border for incineration? Are there any plans to have a biological waste incinerator within our own borders? How is medical waste transported to any incinerator? Plastics are a large part of medical waste, especially in the treatment of cancers using chemotherapy - where does all that go? We have several cancer treatment facilities so this is not a small matter, especially when you see the statistics of the number of people receiving treatment these days, along with waiting lists.

4. The Bird Sanctuary on Westham Island - Bird Flu deaths - how or where were the dead birds buried or tracked for disposal and prevention of the spread of the virus. How long after burial is the soil examined for safety to grow and/or consume plants from those areas? I assume these areas exist within Metro or what used to be the GVRD. Health Canada and Ag Canada must look after the domesticated birds from private farms.

5. The category of Residuals - I assume that includes the flocculants, etc from the Seymour Freshwater Treatment Plant. Do you also count as residuals the waste from the sewage treatment plants? I know there is some application to farmland and sale at some garden centres and maybe some municipalities use it in the parks, in public gardens?

6. I notice that Value Village and some Thrift stores are receiving materials that are of such poor quality that they are not worth selling or will not have any buyers, are they included in some of your tables as contributors for reuse, recycling or just waste/garbage?

7. Incinerators - is there still a contract with the Burnaby Incinerator? Are you building a new incinerator for energy production for multifamily housing? these are separate entities, I assume. Is there more information about the differences of which waste categories will be incinerated in each facility? I assume there would be limitations on what you could burn in an energy recovery system for residential properties.

8. It would be worthwhile to check out how the City of Montreal deals with Building Demolition. I had attended federal workshops on disposal of demolition materials. They had the most solutions, along with rules, among all municipalities represented at the time.

On the positive side - I am glad to see that you are consulting or talking with the federal government departments, especially agriculture, -- what about connecting with NPRI (Env. Canada), NAESI (AG Canada), CCME (Env. Canada), IISD (Winnipeg office)? I would also recommend checking out the NASEM in Washington DC. They have comprehensive publications on all these issues, along with webinars that are open to the public.

That is all at the moment. I will have some more general comments to add before the 11 of Feb. But I needed an update on outstanding issues. I also need some more time to review the Draft Plan. I do not intend on making a personal presentation since I have serious mobility issues and it would be too difficult to attend such a presentation. But I thank you for the invitation and for widening the consultation pool.

Thank-you. I look forward to your response, at least I hope there will be one forthcoming.

Olga Schwartzkopf
[redacted]

From: Belinda Li [redacted]
Sent: Thursday, February 12, 2026 8:48 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Concerns about Metro Vancouver's Draft Solid Waste Management Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Metro Vancouver Board and Staff,

I am a resident of the City of Vancouver. I have been following the update of the Solid Waste Management Plan and was thoroughly disappointed to read the Draft that was released a few weeks ago. Having been involved in the engagement in the earlier phases of the process, I had some hope that this SWMP would improve our progress towards Zero Waste, not go backwards.

We all know that the highest tiers of the Zero Waste Hierarchy are to redesign, reduce, repair, reuse, and recycle (including composting). I did not see any clear commitments to these tiers except for some weak language to encourage these actions. Metro Vancouver has advertised itself as a leader in Zero Waste and it is time to walk the talk. The targets are not good enough. How is Metro Vancouver a leader when Capital Regional District and the Regional District of Nanaimo are doing better? Targets should be for waste generation reduction and diversion. And diversion does not include burning of material!

Metro Vancouver needs to actually enforce existing bylaws to prevent so many materials from going to landfill or incineration. That doesn't just help with moving us towards a goal of Zero Waste, but saves us so much money by prolonging the lifespan of our disposal infrastructure. As a taxpayer, I don't want to be wasting my money on upgrading an old incinerator that spews toxic pollution when all those billion of dollars could have gone towards preventing things from going into the garbage in the first place. Put funding and staff into real solutions for Zero Waste, like infrastructure for local reuse, repair, recycling, and composting. Imagine all the things we can do with that money that is currently earmarked for the incinerator. Metro Vancouver could be a world leader in Zero Waste. That's what we asked for in the engagement sessions, but it seems like our voices were ignored.

I hope that you take this feedback seriously and substantially revise the SWMP so that we work towards true Zero Waste.

Sincerely,

Belinda Li

[redacted]

From: David Sahlmueller [redacted]
Sent: Thursday, February 12, 2026 8:09 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Feedback on Metro Vancouver's Solid Waste Management Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello,

I am writing to share my feedback on Metro Vancouver's Draft Solid Waste Management Plan. Below are some suggestions to make this plan more aligned with Metro Vancouver's zero-waste vision:

- Adopt the Zero Waste Hierarchy and definition. This clear peer-reviewed definition and waste hierarchy will support progressive action. In addition, prioritize waste reduction over recovery.
- Set ambitious 5 and 10 year targets that are aligned with the Capital Regional District and/or Regional District of Nanaimo. Targets should be for waste generation, reduction, and diversion (recycling and composting, NOT incineration).
- Commit to phasing out the Burnaby incinerator, which is one of the top 25 point sources of GHGs in BC and emits dioxins, mercury, cadmium, lead, acid gases, NOx, and other pollutants. Also, commit to not building or using any new incineration or thermal treatment facilities.
- Invest in zero waste solutions like redesign, reduce, repair, reuse, composting, and recycling and ensure actions are implemented rather than just tested, encouraged, and piloted. Actions should include:
    - Waste Prevention: Eliminate unnecessary packaging and prevent food waste.
    - Reuse and Repair: Make it easier to reuse and repair existing items than buy new ones so usable items do not get thrown out.
    - Recycling and Composting: Enhance programs to be simple and consistent to ensure clean materials are properly captured. Introduce better waste management programs and services

in apartment buildings, businesses, institutions, public places, and industry/construction locations.
    - Reduce Toxicity: Include actions to decrease the use of toxic materials and the emission of toxic pollutants.
    - Enforce and Enhance Existing Bans: Implement more inspections, a requirement for clean bags, and mandatory source separation.
- Measure and work to reduce the climate footprint of materials by including consumption-based emissions with planning and proposed actions.
- Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be realistically implemented.
- Pledge to be transparent by clearly reporting waste performance so the public can see what is working. Do not call waste incineration "recycling" or "diversion," as burning waste creates pollution and ash and should be treated as disposal.
- Spend money wisely and invest in the future by choosing solutions that reduce waste without locking the region into expensive disposal systems.

Thank you for considering this feedback, and I hope you will implement these suggestions.

Best,
David

--
David Sahlmueller (he/him), BSc
[redacted]

I gratefully acknowledge that I live, work, fight for climate action, and strive to make the world a better place on the traditional, ancestral, and unceded territories of the kʷikʷəƛ̓əm (Kwikwetlem), xʷməθkʷəy̓əm (Musqueam), sel̓íl̓witulh (Tsleil-Waututh), and sḵwx̱wú7mesh (Squamish) Nations. As a settler in what we now call British Columbia, I am on an ongoing process of reconciliation through learning from and sharing the teachings of the original inhabitants of this land.
Native-land.ca
How to Acknowledge the Land

From: Christine Cunningham [redacted]
Sent: Friday, February 13, 2026 12:34 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: info@zerowastebc.ca
Subject: Feedback on the Metro Vancouver Solid Waste Management Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Metro Vancouver and the Public Technical Advisory Committee,

I live in Burnaby, BC so my feedback on solid waste management is based on what I see going on around me in my City. I believe that Burnaby focuses too much attention on recovery and residuals management and not enough attention on the basics - reduce, reuse and recycle.

I am a proponent of the Provincial government's hierarchy for solid waste management – that the first line of attack should be to reduce the amount and toxicity of the waste that enters the solid waste management program, followed by reuse, recycle and lastly, recovery and residuals management.

Things that I would like to see happen:

1. That high schools be outfitted with commercial kitchens. Currently in Burnaby, only 1/8 high schools have a commercial kitchen. If high schools and larger elementary schools had commercial kitchens, they could cook/prepare nutritious food on site and serve the food on china plates that can be reused indefinitely instead of bringing in food from outside sources in plastic containers. Also, school kitchens could serve the type and amount of food that each student actually wants to eat, thereby generating less food waste.

2. Everywhere I go in Burnaby, I see businesses that do not recycle. This is especially egregious in eateries and coffee shops. Starbucks, for example, purports to recycle by having containers with small holes in them for different kinds of recycling. However, people who work at Starbucks tell me the material all goes into one garbage bag and goes to the landfill. No recycling happening there. Starbucks is not alone. This is a widespread problem. I believe that the Province and cities need to educate businesses and provide tax incentives to businesses to get them to reduce, reuse and recycle. The more ways a business helps the environment, the bigger their tax break should be. Cities should also do random follow ups to make sure businesses continue to earn their tax breaks.

3. I notice when I shop at Safeway nowadays, they put a label on the packaged food that says if the product is very high in sugar and/or salt (see bran muffins, for example.) It deters me from buying those products. Since it is difficult to see if there is a recycling symbol on plastic packages while at the store when the food is in the package, I would like to see a label on packages to say if the package is recyclable or not so that I can avoid the non-recyclable packages. This goes for food outlets and delivery services too.

4. In Burnaby, we do not yet have curbside pick up for soft plastics. This should be happening. Currently, I take my soft plastics to Still Creek Eco Centre. However, I am told that the three companies that pick up soft plastics all do different things with it – one sends it to the dump, one sends it overseas and one turns it into pellets. I believe the only reasonable solution is pelletizing.

5. In Burnaby, food scraps are picked up at the end of my street in the early morning on Tuesdays. It is inconvenient for me (a retired senior) to get dressed and run up the street in all kinds of weather to deposit my food scraps in the bin before 8:00 a.m. I therefore take my food scraps to Still Creek Eco Centre where they put it with the grass clippings. I think more people would recycle their food scraps if it was more convenient to do so (ie. if they didn't have to do this first thing in the morning or drive to a central location).

So I think that cities could do a lot more to promote the primary goals of a circular economy to reduce, reuse and recycle.

I also wish to address Recovery and Residuals Management. I am very opposed to the current plan of continuing to burn solid waste at the Metro Vancouver incinerator. I oppose this plan because:

1. the Metro Vancouver incinerator emits a lot of greenhouse gases. I am advised that it is one of the top 25 GHG source emitters in the Province.

2. the incinerator emits toxins such as dioxins, cadmium, mercury, lead, acid gases and nitrogen oxide gases that are not being captured. It saddens me to think these are being emitted over the Fraser Foreshore ecological reserve, as well as being distributed more widely.

3. I believe the incinerator is an obstacle to reducing waste. It runs on waste. It therefore disincentivizes cities to reduce, reuse and recycle.

4. The incinerator is past its expected lifespan and it will take millions of dollars and energy to keep it going. I believe this to be a huge waste of taxpayers' money.

5. I do not think the burning of waste should be considered recycling. It is not. It generates GHGs, harms our atmosphere and generates toxic materials. There needs to be greater public transparency on this issue.

I believe it is tempting for politicians who are trying to get "quick and easy wins" on the environment front to look for one or two large projects that they think will make them look like they are effectively addressing climate change and the pollution of our environment. In considering the future of the incinerator, I hope that decision makers will look at

the whole picture – that they will weigh the negatives of continued use of an incinerator vs. the benefits that can be obtained in terms of cheap thermal or steam energy as compared with solar energy with hydro-electric back up.

I would like to see more exploration of solar energy and a lot more politicians rolling up their sleeves on the important work of reducing, reusing and recycling. This work is not easy. It requires the Province and local governments to be innovative and collaborative with public institutions, businesses and ordinary citizens. Please lead us in a good direction. We are willing to do our part. Thank you.

Sincerely,

Christine Cunningham
[redacted]

From: Courtemanche, Douglas <douglas.courtemanche@ubc.ca>
Sent: Friday, February 13, 2026 9:10 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: info@zerowastebc.ca
Subject: Metro Vancouver Solid Waste Management Plan feedback

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear MetroVan,

Thank you for the opportunity to read and respond to the "Initial Draft Solid Waste Management Plan, January 2026". My comments are below:

Please consider using the Zero Waste Hierarchy 8.1 definitions.



Zero Waste Hierarchy
zerowastecanada.ca

Perhaps start with: “Refuse” at step 1. Things people don't buy don't become waste.

Perhaps insert: “Repair” between “Reuse” and “Recycle”. This could include more emphasis on the “right to repair” and support for that in MetroVan as well as support for the Repair Cafes Program. This is mentioned later in the report.

As much as possibe we should be eliminating waste “upstream”. Waste management is not a policy or practice that happens in isolation of other decisions made by government, industry and individuals that either prevent or create waste.

Consider separating out construction material which can be reused/recycled from packaging which can be recycled and from “waste”. Construction operators/sites should be mandated to sort all their garbage just like households. A lot of wood that is good for small projects gets thrown away.

Eliminate incineration. This is just a way of adding more CO2 and other toxic gases to the air and many of the products of burning organic material with plastic are toxic and cause cancer. We don’t need these added to our already polluted environment. We also do not need heavy metals aerosolized and then precipitating in the airshed of waste incinerators.

In reality we need to reduce the absolute amount of waste, not just the per capita amount of waste. This will mean more ambitious targets which could be met by preventing waste form n=being generated in the first place. The Waste Management Team needs to be talking up to the MetroVan Board about absolute reductions in waste. This means changing regulations about packaging materials.We want a cleaner world not just a world that’s less dirty per capita.

It would be nice to see some hard numbers for per capita and total waste by category on pages 7 and 8. Also, Figure 4 (page 16) should have the total amount not just the per capita amount. The waste is filling up the environment which is a fixed space. The total amount of waste is what matters. This data may be in the Appendixes which I did not review in detail but I think it is important enough to deserve a summary graph in the main report.

There is a lot of “Advocacy” for the steps in the “circular economy” but what are we actually going to do. One thing that’s needed is at source sorting of waste into all the different types of materials that can be reused and recycled. Most people who have curb/lane pick up of garbage, recycling and compost don’t sort their garbage and take what can go to the ZeroWaste depot to the depot. this means all this composite of theoretically repurposable material ends up mixd together and goes to the landfill. There needs to be better recognition and use of the ZeroWaste depot(s) and some incentive to use tis service to reduce waste.

Incineration should not be in the plan. (page 9 “6. Dispose (waste to energy…)

Recovery of materials is not the same as generating energy (and pollution). Strategy 5.1 puts these two options together when really they are quite different. Some form of physical or chemical reprocessing to create new raw materials is quite different than incineration where heat is used to generate electricity but where emissions of GHG’s and toxins also occurs. Same for 5.2. This is alluded to in “Table 6: Technical Criteria for Evaluation Residual Waste Management Options” (Environmental) (Social - potential impact on public health) (page 54)

Thus 6.1.2.2 “exploring options to further reduce emissions and increase environmental monitoring” of the Waste-to-Energy(-and-Emissions) facility is of critical importance. Waste management should have to abide by

the precautionary principle and protective action should be the norm rather than waiting for proof of harm and then acting after the fact.

I don't see a "Table 3B: Proposed Regulations" to complement "Table 3: Existing Regulations". (page 41) What if all of the services were covered by taxes with free use of reuse, repair, repurpose, recycle, reprocess facilities by citizens who properly sort their waste? What if these facilities existed and were staffed by knowledgeable and helpful MetroVan employees such that funding for this quality of service which would help us all maintain a healthy environment with less waste became the normal form of our behaviour? This is alluded to in "Table 4: Regulatory Priorities" (row 6) (page 44) and "Table 5: Recycling and Waste Centre Priorities" priority #2 (page 49). It would be nice to see some specific ideas about how this could be done.

I find it interesting, sad and somewhat disturbing that there is only one small paragraph on "Risk Analysis" (page 61). Anything from the technosphere that ends up in the biosphere is a long-term health hazard to our children and all future generations. Many compounds/chemicals that have been tossed "away" are now known to cause birth defects, disrupt hormone systems and affect male fertility and pregnancy, cause chronic inflammatory/immune diseases, and cause cancer. These compounds bioaccumulate. This means that they concentrate up the food chain. We (humans) are near the top and thus susceptible victims of our own poisoning of the environment. This realization must underpin the overall approach to waste management, which, in reality, is what do we do with the toxic stuff from the technosphere (fossil fuels, petrochemicals, plastics, metals). The best answer is not to produce the waste in the first place.

The Committees listed in Table 8 (page 62) need members of the public and environmental scientist representatives as members, as well as industry and elected officials.

I hope my comments are helpful. I hope that you prioritize the health of people and the planet and set up a system tat will force the necessary upstream changes and that people will have to pay for in a way that is socially just.

hay č xʷ q̓ə,

Doug

Douglas J Courtemanche, MD MS FRCSC
Division of Plastic Surgery
& with **Doctors for Planetary Health**
douglas.courtemanche@ubc.ca

Unceded xʷməθkwəy̓əm (Musqueam), Sḵwx̱wú7mesh (Squamish), and Səl̓ílwətaʔ (Tsleil-Waututh) Territories (Vancouver)

The term engagement implies both a desire to find out more about an issue and an ethical obligation to act. Candis Callison 2009

From: Fraserriver Foodclub <fraserriverfoodclub@gmail.com>
Sent: Friday, February 13, 2026 2:35 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Response to draft solid Waste Mgmt. Plan

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1) Reduce solid waste is the primary goal, include better education and increased penalties, year by year.
2) Recycle and compost. Eliminate burning and be transparent annually ont status of progress.
3) Assertive reduction targets for the near future, based on those of the Capitol Regl. Dist. and Nanaimo.
4) Burnaby incinerator - reduce use immediately and aim towards decommission in near future.
5) Commit to a timeline and budget.
6) Align current plans with a long future vision of functioning with minimal solid waste and simplersystems..
7) Endorse and act to implement suggestions by zero waste BC

- Eliminate unnecessary packaging and prevent food waste.
- Reuse, repair, maintain and upgrade. In local tech hubs. Lobby to penalize manufacturers of short-life products.
- Recycle and compost - simple and consistent programs. Multifamily, business, institutions, industry and construction locations need to have better programs and services. Lobby to maintain existing buildings if at all possible.
- Reduce toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution

- Enforce and enhance existing bans with more inspections, a requirement for clean bags and mandatory source separation.

From: Catarina Moreno [redacted]
Sent: Saturday, February 14, 2026 12:07 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: info@zerowastebc.ca
Subject: Concerns about Metro Vancouver's Draft Solid Waste Management Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi,

Here is my feedback:

1. Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour or more work on reduction.
2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan.
3. Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.
4. Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc.
   Actions should include:
   - Waste prevention such as cutting unnecessary packaging and preventing food waste.
   - Reuse and Repair -making it easier so unusable items do not get thrown out.
   - Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.

- Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution
- Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.

5. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions.
6. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented.
7. Pledge to be transparent – report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.
8. Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.

Thanks,
Catarina

From: Karen Crosby [redacted]
Sent: Monday, February 16, 2026 2:15 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Metro Vancouver Solid Waste Management Plan Feedback

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello,

Thank you for creating an Initial Draft Solid Waste Management Plan. I support the 7 principles of your draft plan. In addition, I have the following feedback:

1. Please commit to phasing out the Burnaby incinerator. This is a 38 year old facility that will require significant capital upgrades and maintenance if it is not retired soon. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 BC sources of climate pollution (it's a carbon bomb!) and a big releaser of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx which are carried on the wind into my city of New Westminster. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.
2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for short terms, like five years (2032) and ten years (2037), and not only in the future beyond the time frame of the plan.

3. Pledge to be transparent – report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.
4. Work to implement the following actions: -Waste prevention such as cutting unnecessary packaging and preventing food waste. Support organizations that are working to rescue food so it is not wasted.
5.
    - Reuse and Repair -making it easier so unusable items do not get thrown out.
    - Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Our New Westminster Secondary School's waste separation is so contaminated that all of the waste is thrown in the garbage. Provide education and/or penalties to solve this problem.
    - Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution
    - Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.

Thank you for considering my feedback.
Take care,
Karen
--
Karen Crosby (she/her)
New West Climate Action Hub & RegenerateBC

From: The Soup Teacher <angela@brighterbooks.com>
Sent: Monday, February 16, 2026 2:26 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Zero waste comments

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello there,

My name is Angela Jurgensen, and I teach science at NWSS (New Westminster).

I appreciate your plan of action, however — may I suggest a couple of things to push it even further?

We have been working on a project to test the waters of the Fraser in different locations. It is clear that as the Fraser runs through the cities, it becomes more and more polluted. We spoke with the Musqueam Nation, who confirmed not only a high e-Coli incidence in the river, but also toxic chemicals from our tires.

According to our testing, at the Quay location, the Fraser river has also a high level of nitrites and as much chlorine as a swimming pool, among other chemicals. We will be testing South Vancouver in a week, so this will probably look even more dire.

Taking this into consideration, it is important that we try not to add any more to the environmental load. This includes what is released in the atmosphere around the river basin.

For this reason, please consider closing the Burnaby burning facility as soon as possible, and find different ways to deal with the garbage. Currently this facility alone is responsible for a large percentage of all emissions from

the whole province. Instead of putting more money to fix it, please create a commission and pay them to figure out a good way to deal with the remnants of our society. There are better ways to generate energy at this day and age.

It would be a wonderful, proactive and meaningful way to approach the goals set by the Province.

My other suggestion is, improve your goals. We must tighten the belt while there is still time. Some other Districts have stricter goals, and are working hard toward them. Please send a sign to the students that you care enough to make difficult decisions. Make smaller targets closer. For instance, 2030, 2035, 40, and then 50. Because for the kids and anyone paying attention, it is disheartening to see goals set in the Paris agreement not only ignored, but the country's emissions actually ramp up and increase.

Please bring back hope through action.

Warm regards,

Angela

From: Trevor Leyenhorst [redacted]
Sent: Monday, February 16, 2026 12:45 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: info@zerowastebc.ca
Subject: Feedback | Metro Vancouver Solid Waste Management Plan

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Leaders, seize this opportunity to change!

Our climate is suffering. Since this plan is only reviewed every decade—and this round is long overdue—these changes are critical:

1. Use the *Zero Waste Hierarchy and definition** in the plan. A peer-reviewed definition and hierarchy drives progressive action. Eliminate the goals for recovery in favour of more work on reduction.

2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, NOT burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan.

3. Phase out the Burnaby incinerator, one of the top 25 point sources of GHGs in the province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste.

4. Invest in zero waste solutions: Redesign, reduce, repair, reuse, compost and recycle. Include:
- Waste prevention, like preventing food waste and unnecessary packaging.
- Reuse and Repair, so unusable items don't get thrown out.
- Recycle and Compost in multifamily, business, institutions, industry and construction.
- Reduce toxicity.
- Enforce and enhance existing bans with more inspections, a requirement for clean bags, and mandatory source separation.

5. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions.

6. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented.

7. Be transparent: Report waste performance clearly so the public can see what works. Burning waste creates pollution and ash and should be treated as disposal (NOT "recycling" or "diversion").

8. Spend wisely and invest in the future: Choose solutions that reduce waste without locking the region into expensive disposal systems.

Thank you for taking every step to protect our province for now and for the future!

*__Zero Waste Hierarchy and definition:__ The Conservation of all resources by means of responsible production, consumption, reuse, and recovery of all products, packaging, and materials without burning them and with no discharges to land, water, or air that threaten the environment or human health.

Trevor Leyenhorst (and my 3 children that are counting on YOU)

V3M 4W4
[redacted]

From: Christopher Monaghan <cmonaghan@westvancouver.ca>
Sent: Tuesday, February 17, 2026 11:29 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Solid Waste Management Plan - Comment

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello,

I wanted to flag on page 61 of the draft Solid Waste Management Plan the reference to Strategy 2.4 (under Risk Analysis). While the original 2010 plan has a Strategy 2.4 (*Target demolition, land clearing and construction (DLC) sector for increased reuse and recycling*) it appears this new plan does not, stopping at Strategy 2.3.

Thanks,
Chris

Christopher Monaghan, M.A., M.C.C., he/him
Climate Action Coordinator | District of West Vancouver
t: 604-921-3574 | westvancouver.ca

We acknowledge that we are on the traditional, ancestral, and unceded territory of the Sḵwx̱wú7mesh Úxwumixw (Squamish Nation), səl̓ílwətaɬ (Tsleil-Waututh Nation) & xʷməθkʷəy̓əm (Musqueam Nation). We recognize and respect them as nations in this territory, as well as their historic connection to the lands and waters around us since time immemorial. *Learn more about each of these Nations; click each name to visit their official website.*

From: Jamie Kaminski <jamie@happystan.com>
Sent: Tuesday, February 17, 2026 10:04 AM
To: Board and Information Services - Secretariat <BIS-Secretariat@metrovancouver.org>
Cc: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Submission of Proposed Framework and Companion Note – On Behalf of Signatories

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Good afternoon,

Please distribute the attached submission to the Metro Vancouver Board and the Zero Waste Committee and include it in the official record of the Solid Waste Management Plan update.

On behalf of the undersigned organizations and individuals, please find attached the Proposed Framework for Metro Vancouver's next Solid Waste Management Plan and the accompanying Companion Note.

The Framework reflects input from industry and sector participants engaged in the SWMP process. The Companion Note provides clarifications and documents additional considerations raised during review, without revising the core text.

This is a consolidated submission supported by the signatories listed in the document. I am transmitting it on their behalf.

Kindly confirm receipt and distribution to the Zero Waste Committee.

Sincerely,
Jamie Kaminski
On behalf of the signatories

Introduction

Date: February 17, 2026

Over the past decade, Metro Vancouver has **sought to position itself among leading organizations within the Zero Waste landscape**, including through the establishment of a Zero Waste Committee, the founding and public funding of the National Zero Waste Council, and ongoing investment in annual Zero Waste conferences and related initiatives. These efforts reflect an intent to advance waste reduction, material recovery, and reduced reliance on disposal across the region.

As Metro Vancouver develops its next Solid Waste Management Plan (SWMP), there is an opportunity to ensure that this Zero Waste positioning is reflected more clearly and consistently in how the regional waste system is designed, measured, funded, and enforced in practice. Experience under the current plan period indicates that progress toward Zero Waste outcomes depends not only on stated goals, but on clear targets, transparent accounting, effective enforcement, and infrastructure planning that supports declining waste volumes over time.

This document presents a proposed framework intended to support that alignment. It builds on principles Metro Vancouver has already endorsed and focuses on actions that fall within Metro Vancouver's existing SWMP authority.

The framework emphasizes:

- Sector-specific targets that drive upstream behaviour and accountability
- Clear measurement and accounting rules that reflect real system performance
- Stronger disposal bans and inspection practices
- Targeted investment in waste reduction and reuse
- Infrastructure planning aligned with long-term waste reduction

This framework is offered as a constructive, technically grounded contribution from industry and sector participants, as well as other organizations and stakeholders with expertise in Zero Waste policy, waste system design, and materials management. While it does not represent the position of any advisory committee or organization in its entirety, it reflects informed perspectives from parties who consider the effectiveness and credibility of Metro Vancouver's SWMP to be of regional and broader significance.

Proposed Framework for Metro Vancouver's Next Solid Waste Management Plan

This framework outlines the core elements that must be included in the next SWMP to align Metro Vancouver's stated Zero Waste commitments with how the system is designed, funded, measured, and enforced in practice. It focuses on actions Metro Vancouver can control or directly enable through bylaws, pricing signals, service requirements, enforcement, and targeted investment.

1. Clear Targets That Measure Real Zero Waste Outcomes

What the Plan Should Do

The Plan must include clear, measurable targets aligned with the Zero Waste Hierarchy:

- **Sector Specific:** Each sector (Residential, IC&I, C&D) must have its own diversion targets and not one aggregate target for the region.
- **Waste reduction:** Reduce per-capita municipal solid waste generation by 15 percent by 2036, relative to a 2023 baseline, with interim targets.
- **Zero Waste performance:** Zero Waste targets under this Plan are achieved through waste reduction, reuse, and diversion, with diversion limited to source-separated recycling and composting only.
- **Disposal reduction:** Reduce per-capita disposal by at least 50 percent by 2036.

Rationale: Sector-specific targets are essential to drive upstream behaviour change and accountability. Different sectors generate different waste streams and respond to different policy tools, and aggregated regional targets mask these differences. Clear reduction and disposal targets ensure the system is designed to prevent waste at the source and align service design, enforcement, and investment with long-term Zero Waste outcomes.

2. Measurement, Metrics, and Accounting Framework (Foundational to the Entire Plan)

This section establishes the accounting rules that apply across the SWMP. These rules ensure reported performance reflects real Zero Waste outcomes rather than downstream correction.

2.1 Separate Reporting of Waste Streams

The Plan requires that the following waste streams are measured, tracked, and reported separately:

- Residential Solid Waste
- Industrial, Commercial, and Institutional (IC&I)
- Construction and Demolition (C&D)

C&D waste must never be aggregated with residential or IC&I diversion rates.

Rationale: C&D waste has structurally high diversion rates due to heavy materials such as concrete and metals. Aggregation inflates diversion and masks underperformance in residential and commercial systems. In addition, the amount of waste from the C&D sector varies much more than other sectors based on economic activity.

2.2 What Counts Toward Diversion

Diversion is intentionally defined narrowly.

Counts toward diversion:

- Source-separated third-party reuse
- **Source-separated recycling,** defined as:
  The reprocessing of source-separated materials into new products, materials, or substances for their original or similar purpose, in a manner that displaces the use of virgin materials. Recycling does not include processes that convert materials into fuels, energy, or products used primarily for energy recovery or disposal
- Source-separated composting or anaerobic digestion

Does not count toward diversion:

- Recycling or composting of materials recovered from mixed waste
- Post-residual sorting
- Stabilization of organics after disposal
- Metals Recovered from Incineration Ash

- Incineration ash incorporated into concrete or other materials
- Combustion or fuel substitution (eg: refuse derived fuel, chemical processing of plastics to fuel)

Rationale: Diversion metrics must reward proper system design, service access, and compliance, not downstream recovery of materials that should never have entered disposal. Allowing downstream salvage or combustion to count as success undermines reduction, reuse and upstream recycling. These targets ensure Zero Waste performance reflects upstream system outcomes.

2.3 Treatment of Recovery

Recovery must be reported as disposal because it occurs only after materials have failed to be captured through source-separation.

Recovery includes post-residual sorting, recovery of metals from ash, and stabilization of organics after disposal.

Under this Plan:

- Recovery is maximized to reduce environmental harm.
- Recovery is tracked as a diagnostic indicator.
- Recovery is reported as disposal for performance measurement.

Objective: Reduce the amount of recoverable material entering disposal, not recovery effort.

2.4 Energy Recovery and Combustion-Based Pathways

All combustion-based management of waste is classified and reported as disposal, regardless of where combustion occurs or how fuel is prepared. This includes waste-to-energy, energy-from-waste, refuse-derived fuel (RDF), and fuel substitution. These pathways do not count toward diversion or Zero Waste targets, and must never be counted as material recovery.

2.5 Stabilization of Organics

Biological stabilization of organics is supported as a pollution control measure where source-separation fails.

However:

- Stabilization alone does not count toward diversion.
- Only source-separated organics processed through legitimate composting or anaerobic digestion pathways count toward diversion.

3. Waste Reduction (Metro Vancouver-Controlled Priorities)

Waste reduction delivers the greatest environmental and financial benefits and relies on tools that Metro Vancouver can directly control through regulation, service requirements, enforcement, and targeted investment.

The Priority actions within Metro Vancouver's control are described in detail below:

3.1 Enforcement-led reduction using disposal bans as a true front-end control

Use disposal bans to prevent recoverable materials from entering the disposal system, not to justify downstream correction.

- Mandate use of clear bags.
- Increase inspections and consequences (linked to Section 6).
- Require repeat offenders to submit a compliance plan with specific corrective actions and timelines.
- Use inspection data to target high-impact generators and sectors for follow-up.

3.2 Multi-family reduction program at scale

Multi-family is a large, controllable opportunity where service gaps and inconsistent standards drive disposal.

- Require organics and recycling service for multi-family with minimum service standards and clear timelines.
- Require building-level performance measures (set-out rates, contamination, and disposal per unit).

- Fund building supports that directly reduce disposal: signage packages, caretaker training, and initial on-site audits.

3.3 Food waste prevention and redistribution enablement

Prevention is of higher value than processing. Metro Vancouver can enable prevention through targeted partnerships and standards.

- Expand support for food waste prevention and redistribution partnerships (best before handling, safe donation logistics).
- Require large generators with high organics volumes to implement prevention practices before relying on organics processing.
- Report prevention results as avoided tones and avoided disposal costs.

3.4 Public events and venues: minimum prevention and reuse standards

Large events are visible, controllable, and can set regional norms.

- Require reuse service plans for major permitted events (cups, dishware, and service ware).
- Require organizer reporting on waste generation, separation performance, and contamination.
- Use a simple compliance ladder: education, conditions on permits, then penalties for repeat failures.

3.5 Economic signals that reward prevention and penalize repeated disposal of banned materials

Metro Vancouver can realign incentives through disposal pricing and generator accountability.

- Use disposal surcharges for loads with banned materials or non-inspectable bagging patterns, consistent with inspection protocols.
- Align tipping fee structures to reward clean source-separation and penalize mixed disposal.
- Use generator-facing charges where applicable to shift costs toward preventable material in the garbage stream.

3.6 Track and report avoided waste

Reduction must be visible. The Plan must track avoided waste as a core performance indicator.

- Report per-capita generation, in addition to per-capita disposal.
- Report avoided tonnes tied to specific programs (multi-family supports, event standards, food prevention).
- Publish annual results by sector (Residential and IC&I) so underperformance cannot be masked by C&D.

How to Shift Funding Toward Reduction

Metro Vancouver should establish an Upstream Investment Envelope inside Solid Waste Services and report it transparently.

- Create a dedicated annual envelope for reduction and reuse programs with a minimum share of the Solid Waste Services budget, increasing over time.
- Fund the envelope through a mix of reallocation from downstream programs, generator levy revenues, and avoided disposal costs as performance improves.
- Tie funding to measurable deliverables: enforcement activity, compliance improvements, avoided tonnes, and sector-specific performance.

Rationale: This approach avoids overpromising, while establishing a clear financial discipline that matches long-term reduction goals.

4. Reuse and Repair (Core System Components)

Reuse and repair reduce waste generation by keeping products and materials in use at their highest value before they become waste. Unlike recycling, which manages materials after discard, reuse prevents waste at the source and requires intentional system design, regional coordination, and stable support to function at scale. The following actions identify priority areas where Metro Vancouver can strengthen reuse outcomes through targeted investment and enabling policies.

4.1 Regional reuse infrastructure program (hubs and collection channels)

Metro Vancouver should support a network of reuse hubs focused on high-volume categories that drive disposal.

- Bulky goods and furniture capture (reduce bulky disposal and illegal dumping).

- Textiles and household goods capture with clear sorting standards.
- Building materials capture in coordination with municipalities and private operators.

Metro Vancouver can enable this through siting support, partnership agreements, and targeted grants tied to tonnage captured and verified reuse outcomes.

4.2 Repair and refurbishment network scaling

Repair extends product life and reduces waste generation.

- Expand repair events and permanent repair capacity through small grants, space access, and promotion.
- Support refurbishment pathways for electronics and durable goods through partnerships and standards for safe handling.
- Advocating for repair and refurbishment as a key part of provincial and federal regulations.

4.3 Deconstruction and building material reuse enablement

Metro Vancouver can support municipal deconstruction policies by enabling markets and pathways.

- Work with municipalities to standardize salvage expectations where feasible.
- Support aggregation and resale channels so salvaged materials have reliable markets.
- Licensing all C&D material service providers and tracking all material flows from C&D to ensure accountability.
- Track outcomes separately from C&D diversion to avoid inflating Residential or IC&I results.

4.4 Reuse-first procurement leadership and standards

Metro Vancouver should lead by example and normalize repairable and reusable products.

- Adopt internal procurement standards favoring refurbished and repairable products where feasible.
- Incorporate the reuse of materials into Metro Vancouver procurement, with a focus on C&D materials.
- Encourage member municipalities to adopt similar standards and share templates.

4.5 Measurement: track reuse separately

Reuse should be reported as a distinct performance line item, not blended into recycling or diversion totals.

- Track verified reuse tonnage and participation indicators.
- Report reuse separately by sector and program area.
- Use reuse metrics to support funding decisions and program scaling.

How to Shift Funding Toward Reuse

Metro Vancouver should allocate a stable share of upstream funding to reuse and repair as long-term cost control.

- Use the Upstream Investment Envelope to provide predictable multi-year funding for reuse hubs and repair networks.
- Fund only outcomes that are verifiable (items reused, tonnes captured, participation, and reduced bulky disposal).
- Prioritize initiatives that reduce disposal volumes and contamination pressures on recycling and organics systems.

5. Universal Access to Recycling and Organics Services

The Plan must require recycling and organics service for:

- Multi-family residential buildings
- Commercial, institutional, and industrial properties

The plan should also provide support for these changes such as signage, information and technical assistance. Minimum service standards and clear compliance timelines are required to support disposal bans and Zero Waste targets.

6. Strengthened Disposal Bans and Inspection Quality (A Core Zero Waste Delivery Mechanism)

6.1 The Core Problem

Disposal bans rely on inspections, yet current practices cannot meaningfully inspect opaque or non-transparent bags. Bagged waste routinely passes without review, creating a systemic enforcement loophole that undermines both effectiveness and fairness.

6.2 Required Changes

The Plan must close the bagging loophole and raise inspection quality through:

- **Inspectability as a condition of disposal:** require loads to be reasonably inspectable using transparent bag requirements, bag limits, or loose loading requirements where appropriate, and treat non-inspectable loads as presumptively non-compliant.
- **Standardized inspection protocols:** random bag opening using approved safety procedures, designated inspection areas, and clear thresholds for rejection, surcharge, or follow-up.
- **Clear responsibility:** generators ensure compliance and inspectability, haulers flag problematic loads, and disposal facilities enforce outcomes.
- **Strategic use of data:** track inspection outcomes by sector and material type, report publicly, and use results to target enforcement and service gaps.

Rationale: Improving inspection quality is one of the highest-impact, lowest-cost actions available to make disposal bans effective and fair. It also prevents non-compliance from being treated as a planning assumption for disposal capacity.

7. Disposal and Infrastructure Alignment

The SWMP must align infrastructure planning with waste reduction by:

- Committing to the phase-out of the Burnaby incinerator within the planning horizon.
- Avoiding new “must-run” disposal capacity.
- Using flexible landfill capacity for true residuals, so the region pays for what it needs as disposal declines.

Rationale: A Zero Waste system cannot be built around infrastructure that depends on a steady supply of waste. As waste reduction goals are progressively achieved, must-run disposal

infrastructure creates financial and operational pressure to maintain throughput, weakening the system's ability to fully realize upstream Zero Waste outcomes.

Summary Rules Applied Throughout the Plan

- Zero Waste targets are achieved through waste reduction, reuse, and diversion, with diversion limited to: source-separated 3rd party reuse, recycling, and composting only.
- Waste streams are reported separately (Residential, IC&I, C&D). C&D is not aggregated into Residential or IC&I diversion.
- Material recovery is maximized but reported as disposal.
- Combustion-based pathways, including RDF and energy-from-waste, are disposed of (and phased out).
- Disposal bans require inspection systems that allow meaningful review of bagged waste and remove the automatic free pass for opaque bags.
- Upstream investment is formalized through an Upstream Investment Envelope with transparent reporting and measurable deliverables.

Signatories

The undersigned organizations and individuals **support the recommendations and framework outlined in this submission** and endorse its use as a basis for strengthening Metro Vancouver's SWMP.

Signatories agree that the core elements of this framework are necessary to deliver credible Zero Waste outcomes, including:

- Clear and transparent measurement and reporting
- Stronger enforcement of disposal bans
- Meaningful investment in waste reduction and reuse
- Alignment of infrastructure planning with long-term waste reduction goals

While implementation details may continue to evolve through the SWMP process, the undersigned **support the overall structure, direction, and key policy positions** set out in this document and encourage Metro Vancouver to incorporate them into the final Plan.

This submission reflects the considered views of industry and sector participants engaged in the SWMP process. It does not represent a consensus position of any single advisory committee,

but it does represent **substantive, informed support** for a more upstream-focused, enforceable, and accountable Zero Waste system.

Organizations:

HSR Zero Waste
Jamie Kaminski - President - MV PTAC Member & IAC Member

Zero Waste BC
Sue Maxwell - Founder - MV PTAC Member

Zero Waste Canada
Alastair MacCallum - Board Member

Dreamstill Technologies
Mars Moreira - Co-Founder

Doctors for Planetary Health - West Coast
Douglas J Courtemanche, MD MS FRCSC

Urban Jacks
Aaron Laslo - CEO

Canadian Association of Physicians for the Environment BC (CAPE BC)
Rhiannon Fox - *Regional Coordinator, Western Canada*

Canadian Association of Physicians for the Environment National (CAPE National)
Jane E. McArthur, PhD, - Toxics Program Director

Wescan Disposal Ltd
Patrick Mac Neil - General Manager - MV IAC Member

MakeWay Charitable Society - Binners' Project
Sean Miles - Director

Zero Waste 4 Zero Burning
Linda Gasser, Co-founder

Tilt Relations Inc.
Cassidy v. Ros - Owner / Principal

Better Table
Ben Liegey - Owner Operator

Individuals:
Doug Schel - Member of Metro Vancouver PTAC
William Selton - Member of Metro Vancouver PTAC
Ulwiana Mehta-Malhotra - Member of Metro Vancouver PTAC
Jennifer Henry - Member of Metro Vancouver PTAC

Companion Note to the Proposed Framework for Metro Vancouver's Solid Waste Management Plan

Clarifications and Additional Considerations Raised During Review

Date: February 17, 2026

Purpose of this Companion Note

This Companion Note is provided to support review and endorsement of the Proposed Framework for Metro Vancouver's Solid Waste Management Plan (the Framework). It does not replace or revise the Framework. Instead, it (1) clarifies intent in areas where reviewers requested additional precision, and (2) documents additional considerations that were raised during review but were not incorporated into the Framework at this stage in order to maintain stability for sign-on.

1. Clarifications (to support consistent interpretation)

1.1 Recovery activities are supported as safeguards, but are treated differently in performance metrics

Several reviewers requested clarity on the Framework's treatment of recovery activities such as pre-landfill sorting, metals recovery from residual streams, and stabilization as a harm-reduction measure.

The Framework supports these activities as operational safeguards that reduce harm and minimize residual disposal volumes. However, the Framework recommends that downstream recovery be reported as disposal for performance tracking purposes, because diversion and Zero Waste performance metrics are intended to measure upstream system effectiveness (reduction, reuse, and source separation).

Examples of supported safeguards include:

- Pre-landfill sorting to capture remaining recyclables and organics where feasible
- Metals recovery from residual streams (including ash) to reduce long-term environmental liability
- Stabilization as a harm-reduction measure where beneficial outcomes can be achieved

1.2 "Recovery" refers to materials recovery, not energy recovery

Where the Framework uses the term "recovery," it is referring to the recovery of materials for recycling, composting, or stabilization as a safeguard. Energy recovery pathways, including refuse-derived fuel and fuel substitution, are treated as disposal outcomes in the Framework and are not considered diversion.

1.3 Metals recovery from incineration ash is not an endorsement of incineration

The Framework's position that metals should be recovered from residual streams (including ash) is a pollution prevention and resource conservation measure. It is not an endorsement of incineration. Metals recovery is supported because it reduces long-term environmental liability and avoids burying recoverable materials, regardless of the upstream disposal pathway.

1.4 Multi-Family service standards are minimum expectations, not a municipal override

The Framework recommends regional minimum service standards and performance expectations for multi-family buildings because inconsistent service and enforcement contributes materially to disposal. These recommendations are intended to support municipalities and improve system consistency, not to replace municipal authority. Implementation approaches can remain locally flexible.

1.5 Prevention measurement is harder than tonnage, but still essential

The Framework recognizes that prevention outcomes are not always measured through tonnage alone. The intent is to track prevention through a mix of indicators (for example, participation, material redistributed, and estimated avoided disposal), reported transparently as prevention outcomes rather than diversion.

2. Additional considerations raised during review (not incorporated at this stage)

The following considerations were raised by reviewers as potentially valuable additions. They are documented here for completeness, but were not incorporated into the Framework at this stage in order to preserve stability for sign-on and avoid reopening core text.

2.1 Environmental and human health protections (toxics reduction across processing and disposal systems)

Several reviewers requested stronger explicit language connecting the Solid Waste Management Plan to reducing toxic exposures, environmental contamination, and public health risk. While the Framework focuses on system design, targets, measurement, and infrastructure alignment, reviewers emphasized the importance of strengthening actions and reporting that reduce toxic inputs and harmful emissions across the full waste system, including processing and disposal.

Examples of considerations raised include:

- Stronger product stewardship and toxics reduction policies to prevent harmful materials entering the waste stream
- Enhanced environmental monitoring and public reporting for disposal and processing sites
- Clearer linkage between disposal decisions and long-term environmental and health liability management

2.2 Higher-order building material preservation (above deconstruction)

Some reviewers requested clearer emphasis that preservation, restoration, relocation, and adaptive reuse sit above deconstruction within the hierarchy for the built environment. Deconstruction should be treated as a downstream salvage tool when higher-order preservation outcomes are not feasible.

Examples of higher-order outcomes raised include:

- Building preservation and continued use
- Adaptive reuse and renovation
- Building relocation or house moving where feasible

2.3 Broader circular economy measures (potential implementation options)

Additional upstream circular economy measures may be considered during implementation planning, including procurement standards, repair incentives, reuse market development, and packaging reduction measures. These items were raised as potentially valuable, but were not expanded in detail in the Framework to maintain focus on core system controls.

2.4 Requests for additional operational detail

Several reviewers requested deeper operational detail, including program design, funding models, and timelines. The Framework is intentionally not an implementation plan. These details are expected to evolve through future program design and operational planning once the Plan's targets, measurement rules, and infrastructure direction are set.

Closing

This Companion Note is intended to improve clarity for reviewers and decision-makers and to ensure that important considerations raised during review are documented. It does not revise the Framework, but supports consistent interpretation and identifies potential areas for future implementation work.

From: Jamie [redacted]
Sent: Tuesday, February 17, 2026 3:48 PM
To: Board and Information Services - Secretariat <BIS-Secretariat@metrovancouver.org>
Cc: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> **Subject:** Request for Evidentiary Basis – Burnaby WTE – Draft SWMP

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Please find attached correspondence addressed to the Metro Vancouver Board regarding the Draft Solid Waste Management Plan.

I request that this be circulated to the Board and included in the official record.

Sincerely,

Jamie Kaminski

To:
Metro Vancouver Board of Directors
c/o Office of the Chair
Metro Vancouver

Cc:
British Columbia Ministry of Environment and Parks
Environmental Protection Division

Date:
February 17, 2026

Subject:
Request for Evidentiary Basis for Continued Inclusion of Burnaby Waste-to-Energy Facility – Draft Solid Waste Management Plan

Dear Metro Vancouver Board Members;

I am writing to request the evidentiary basis for the continued inclusion of the Burnaby Waste-to-Energy Facility as a necessary component of the Solid Waste Management Plan.

The Plan establishes performance targets through 2050, including increased diversion and waste reduction objectives. Continued operation of this aging combustion facility through 2050 is therefore implicitly assumed to support achievement of those goals. Given the facility's age, emissions profile, capital reinvestment obligations, regulatory exposure, and operational limitations, that assumption requires clear and compelling substantiation.

This is not a minor operational decision. It is a multi-decade capital commitment involving aging combustion infrastructure, a material point source emitter of greenhouse gases, and significant long-term financial exposure. For a decision of this magnitude and duration, a higher evidentiary threshold is appropriate.

Unless it can be demonstrated that continued operation through 2050 is necessary to achieve the Plan's stated goals, and that it does so without creating disproportionate financial, environmental, regulatory, enforcement, and climate risk, its inclusion in the Plan requires clear and documented justification.

The following areas require substantiation.

Asset Integrity and Long-Term Reliability

Continued operation through 2050 presumes that the facility can function reliably throughout that period. Given that the facility has been in operation since 1988, long-term planning should be grounded in updated engineering assessments and documented service life evaluations.

If operation is expected to continue through 2050, those assessments would reasonably inform that decision.

To substantiate continued reliance on the facility as a long-term asset, provide the following documentation:

- The original design life and any life extension assessments
- The most recent independent engineering or asset integrity review
- A capital replacement forecast for major systems through 2050
- Historical availability, outage, and major maintenance records sufficient to assess long-term reliability trends

If updated service life and reliability assessments are not in place, then the assumption that the facility can operate dependably through 2050 lacks an evidentiary foundation.

Emissions Performance and Public Health Risk

Combustion of mixed municipal solid waste inherently produces dioxins, furans, and other combustion-related pollutants. The identification of dioxin-containing ash in the surrounding environment reinforces the need for transparent and independently verifiable emissions oversight.

Regardless of final point source attribution, the presence of elevated dioxins in proximity to a major combustion facility warrants thorough and independent investigation. The source of these toxins should be identified promptly and transparently to ensure that any potential ongoing exposure risks are properly addressed and mitigated. The duty to protect public health does not depend solely on confirmed causation, but on responsible management of foreseeable risk associated with facility operations.

Continued operation through 2050 therefore presumes that emissions performance, deposition pathways, and exposure risks have been fully examined in light of these findings and that appropriate investigative and corrective actions were taken.

To substantiate that presumption, provide the following documentation:

• Emissions monitoring data for dioxins, furans, and particulate matter for the period immediately preceding and following identification of dioxin-containing ash
• Documentation of any expanded testing or monitoring initiated in response to the ash findings
• Any deviation reports or operational anomalies recorded during that timeframe
• Details of any independent third-party investigation commissioned to determine source and deposition pathway

If a comprehensive and independently verifiable investigation was not conducted in response to the ash findings, then the adequacy of emissions oversight remains in question.

Lifecycle Financial Exposure and Regulatory Resilience

Operating a combustion facility through 2050 represents a significant financial and regulatory commitment. Continued reliance presumes that emissions control systems can meet current and evolving regulatory requirements over that timeframe.

The facility operates under an Operational Certificate issued by the Province of British Columbia. Any amendments, exemption requests, or limit adjustments under that certificate, including those related to acid gas emissions or other stack emission parameters, are directly relevant to assessing long-term regulatory resilience.

If modifications to emission limits or compliance timelines have been sought, those considerations would be relevant to assessing long-term regulatory resilience.

To evaluate whether long-term regulatory and financial exposure has been appropriately assessed, provide the following documentation:

• Copies of any Operational Certificate amendments, exemption requests, or limit adjustments related to stack emissions
• The technical and financial basis for such requests
• Lifecycle cost forecasts through 2050, including projected capital upgrades and emissions control reinvestments
• Scenario analysis reflecting potential tightening of emission limits and associated capital or operational implications

If continued operation through 2050 depends on regulatory flexibility or periodic limit adjustments, then those implications should be transparently incorporated into the Plan.

Strategic Necessity and Alignment with Plan Objectives

The Plan suggests that continued ownership reduces reliance on external disposal capacity. While ownership may provide operational control, control alone does not establish necessity.

The relevant question is whether continued operation of the facility through 2050 is demonstrably required to achieve the Plan's stated waste reduction and diversion objectives.

Ownership of aging combustion infrastructure carries concentrated capital reinvestment obligations, emissions liability, regulatory sensitivity, and throughput dependence. A waste reduction strategy premised on declining residual volumes requires careful evaluation of long-term capital rigidity relative to more flexible residual management pathways.

To substantiate strategic necessity, provide the following documentation:

• Analysis demonstrating that continued operation through 2050 is required to achieve the Plan's stated objectives under projected waste reduction scenarios
• Comparative analysis of continued facility operation relative to available landfill disposal pathways and other flexible residual management options
• Scenario modeling showing projected residual volumes with and without the facility under varying reduction performance assumptions
• Clarification on how continued ownership reduces overall system risk relative to flexible disposal capacity arrangements

If analysis demonstrating necessity relative to alternative residual management pathways has not been conducted or documented, then the basis for presuming that this asset must remain within the Plan remains unsubstantiated

Enforcement Capability and Disposal Ban Alignment

The Plan includes commitments to strengthen disposal ban enforcement and improve diversion performance. Effective enforcement requires meaningful inspection and investigative oversight.

At the facility, loads are inspected visually at tipping and through video monitoring. Once discharged into the combustion pit, materials cannot be segregated for further inspection.

If enforcement is to be strengthened through 2050, infrastructure capability must align with that objective.

To assess alignment between enforcement goals and facility design, provide the following documentation:

• Disposal ban enforcement protocols at the facility
• Data on loads rejected or investigated annually
• Clarification on the facility's ability to isolate and physically inspect suspect loads prior to combustion
• Protocols for identifying and managing hazardous or prohibited materials

If infrastructure design limits meaningful inspection and follow-up investigation, then there is a structural constraint that may undermine enforcement objectives.

Climate Alignment and Net Zero Commitments

The Burnaby Waste-to-Energy Facility is a material point source emitter of greenhouse gases. Combustion of mixed waste includes fossil-derived materials, resulting in direct fossil carbon emissions.

Continued operation through 2050 presumes alignment with regional climate commitments and net zero objectives.

To evaluate whether that alignment has been demonstrated, provide the following documentation:

• Current and projected greenhouse gas emissions through 2050
• Analysis of fossil carbon content in the waste stream
• Modeling demonstrating alignment with regional net zero commitments
• Any mitigation or offset strategies incorporated into long-term planning

If climate alignment analysis has not been conducted for a facility of this scale and duration, then its compatibility with regional climate commitments through 2050 remains unverified.

Conclusion

The continued inclusion of the Burnaby Waste-to-Energy Facility within the Solid Waste Management Plan rests on the presumption that it is necessary to achieve the Plan's stated objectives through 2050 and that it does so without exposing the region to disproportionate financial, environmental, regulatory, enforcement, and climate risk.

For a capital asset of this magnitude and duration, that presumption must be demonstrably supported. If that substantiation cannot be provided, continued inclusion of the facility in the Solid Waste Management Plan would lack sufficient evidentiary support.

The categories of documentation identified above represent the types of substantiation that would reasonably support continued inclusion of the facility through 2050. I request that the evidentiary basis addressing these considerations be clearly documented in the materials accompanying the draft Plan as it proceeds through Committee and Board consideration, and that this correspondence be included in the public record as part of that review.

Sincerely,



Jamie Kaminski

From: [redacted]
Sent: Tuesday, February 17, 2026 6:16 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: info@zerowastebc.ca
Subject: Comments on MV's January 2026 draft SWMP

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Attached are my comments on Metro Vancouver's (MV's) January 2026 draft Solid Waste Management Plan (SWMP), in MSWord, as well as a copy of the draft plan (in PDF) with associated comments throughout.

Thank you for the opportunity to comment. Wishing MV the best of success in moving the draft SWMP forward to the satisfaction of its constituents and key supporters.

Best regards,

Ted Sheldon [redacted]
retired-British Columbia provincial government (Victoria):
- Senior Policy Advisor, Corporate Policy, Ministry of Environment, Lands & Parks (MELP)
- Senior Community Climate Action Advisor, Climate Action Secretariat (CAS)
- Senior Clean Energy Advisor, Electricity and Alternative Energy Division (EAED)

CRD RoundTable on the Environment (EcoStar Climate Change Award-2004)
Federation of Canadian Municipalities Partners for Climate Protection (Queen's Royal Diamond Jubilee Medal-2013)
BC Community Energy Association (Lifetime Achievement Award-2018)
Present University of Victoria Alumnus Activities – Masters in Industrial Ecology (IE) Advisory Committee

We acknowledge and respect the lək̓ʷəŋən peoples on whose traditional territory Victoria stands, and the Songhees, Esquimalt and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.

February 17, 2026

To: Metro Vancouver

Re: Metro Vancouver Solid Waste Management Plan

The following represents comments from my review of your draft Metro Vancouver (MV) Solid Waste Management Plan (SWMP). I have also attached the draft itself with comments that both reaffirm a number of the comments below, as well as provide a small number of suggested edits. A number of the following support, if not directly articulate, key concerns already raised by Zero Waste BC:

1. Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour of more work on reduction. Relatedly, it would be incumbent on MV to explain, where required, why those SWMP hierarchy exceptions differ from the BC Pollution Prevention Hierarchy.
2. Work with other MV departments, other levels of government and companies by working higher up the waste hierarchy to rethink and reduce waste by:
    - highlighting the planning and proposed actions to reduce the Region's climate footprint of materials by including consumption-based emissions (including embodied carbon) and where key opportunities exist to continue to build the circular economy, and
    - using the SWMP to recognize and/or link to other plans and policies of the MV and those member municipalities that are making progressive efforts on the circular economy and embodied carbon front (such as MV's collaborative efforts with the City of Vancouver, City of North Vancouver and City of Richmond).
3. Set ambitious targets to match or exceed the aspirations of other progressive regions, such as the Capital Regional District and the Regional District of Nanaimo. Regarding target-setting and reporting frequency, these targets should be set for successive five-year terms (2032, 2037) within the accountability timeframe of the plan, and not simply to 2050. Similarly, these reports need to be kept straightforward and fully transparent to the public. Regarding the choice of indicators:
    - Report in both per capita and absolute metrics, at least when aggregated.
    - Guard against an over-supply of secondary indicators (aka 'indicatoritis') that, in themselves, can divert attention to core metrics.
    - If 'proxy' indicators do not serve their ap'proxi'mate roles, resist using.

    NOTE - MV (with a larger population and economies of scale capabilities) and other regions of the Province should encourage the provincial government to be more aggressive on its waste reduction aspirations (while still acknowledging some of the challenges of more rural communities). Also, targets should be on waste generation

reduction and diversion (meaning recycling and composting), not burning of material (creating pollution and ash).

4. Commit to phasing out the Burnaby incinerator. This 38-year-old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. In addition to the financial outlays to undertake necessary retrofits (where those monies could be directed higher up the waste hierarchy, the incinerator is one of the top 25-point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.
5. Invest in zero waste solutions such as redesign, reduce, repair, reuse, composting and recycling, and work to be more action-oriented (e.g., 'implement, enact, develop') versus the present emphasis on 'testing, encouraging and piloting'. Actions should include:
    - Waste prevention such as cutting unnecessary packaging and preventing food waste.
    - Reuse and Repair - making it easier so presently unusable items do not get thrown out.
    - Recycling and Composting - enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    - Reducing toxicity - include actions to decrease the use of toxic materials, let alone to reduce the emission of toxic pollution.
    - Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.
6. Single use plastics – "Metro Vancouver's targets are based on a 30% reduction in single-use items by 2050." While the 30% reduction may appear reasonable by 2050, this issue will likely take greater and greater prominence with all levels of government and circular economy organizations, a much greater aspiration to 2050 would seem reasonable. This is underscored by: the emerging science on micro-plastics; the relative importance of the issue as emphasized in Strategy 1.1; and, since 'Plastics' is one of the top five priority sectors being focused on in Strategy 1.3.3. And, again, interim targets of sufficient aspiration would help to further focus efforts towards greater achievement.
7. Establish and commit to a timeline with strategically-selected quantifiable actions, and the associated budget to ensure the plan can be fully implemented to achieve the final agreed-to targets.
8. Invest in the future - choose solutions that reduce waste without locking the region into expensive disposal systems.

METRO VANCOUVER'S SOLID WASTE MANAGEMENT PLAN

Solid waste management is the term used to describe how products, packaging, construction and demolition materials, food scraps, yard and garden trimmings, and other materials from residential, commercial, and institutional sources are managed when they're no longer needed for their original purpose. It includes the decisions we make when preventing and reducing garbage, using recycling and green bins, and the services provided by companies, governments, and non-profits to collect, transport, and process these materials.

This plan will guide solid waste management strategies and actions, targets, and priorities in the decade ahead while addressing issues anticipated in the next 20 to 25 years. The plan identifies how our region can continue to prevent and reduce waste, increase reuse and recycling, reduce greenhouse gas emissions, and work toward a circular economy. Together as a region, we need to think about how we purchase, use, reuse, recycle, and throw things away in Metro Vancouver to better manage our solid waste.

Vision and Guiding Principles

A vision statement and guiding principles for the solid waste management plan have been established, with input from First Nations, member jurisdictions, neighbouring regional districts, advisory committees, interested parties, and the public.

Vision: A thriving region where nothing is wasted and resources are valued.

Summary of Comments on Initial Draft Solid Waste Management Plan

Page: 1

Number: 1 Author: admin Subject: Highlight Date: 2026-02-13 12:21:21 PM -08'00'

Number: 2 Author: admin Subject: Highlight Date: 2026-02-13 12:21:01 PM -08'00'

Number: 3 Author: admin Subject: Sticky Note Date: 2026-02-13 12:23:39 PM -08'00'

Author: admin Subject: Sticky Note Date: 2026-02-13 12:24:30 PM -08'00'
what about other aspects of the waste hierarchy - e.g., reusing, repurposing?

Number: 4 Author: admin Subject: Sticky Note Date: 2026-02-13 12:22:59 PM -08'00'
First things first - reverse the order of these two clauses in this sentence.

Number: 5 Author: admin Subject: Highlight Date: 2026-02-13 12:25:06 PM -08'00'

Number: 6 Author: admin Subject: Sticky Note Date: 2026-02-13 12:26:36 PM -08'00'
Choice of terms 'guide' (over 10 years) and 'address' (over 20-25 years)?

Number: 7 Author: admin Subject: Highlight Date: 2026-02-13 12:25:11 PM -08'00'

Guiding Principles

1. A solid waste and recycling system that is affordable, convenient, and consistent across the region.
2. A solid waste system that is resilient to climate change and future challenges.
3. Accountability from residents, businesses, and governments to prevent waste. [1]
4. Environmental stewardship and climate action.
5. Inclusive solid waste services and programs.
6. Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.
7. Transparency about what happens to garbage and recycling.

These guiding principles are specific to the Metro Vancouver region, and complement the set of guiding principles provided by the BC Ministry of Environment and Parks in *A Guide to Solid Waste Management Planning.*

Goals and Hierarchy

The goals of the solid waste management plan describe the long-term aims to be achieved by the plan. The goals link closely to Metro Vancouver's waste management hierarchy, which builds on the BC Pollution Prevention Hierarchy to outline priorities for solid waste management in the Metro Vancouver region. The highest priorities are at the top of the hierarchy, and are associated with actions that preserve resources, prevent waste, and help transition to a circular economy. Specific terms used within the goals and hierarchy are defined in the glossary, and more context for each goal is provided in the Strategies and Actions section of the plan.

Number: 1 Author: admin Subject: Sticky Note Date: 2026-02-13 12:31:19 PM -08'00'
Accountability "to and from" residents, etc.....

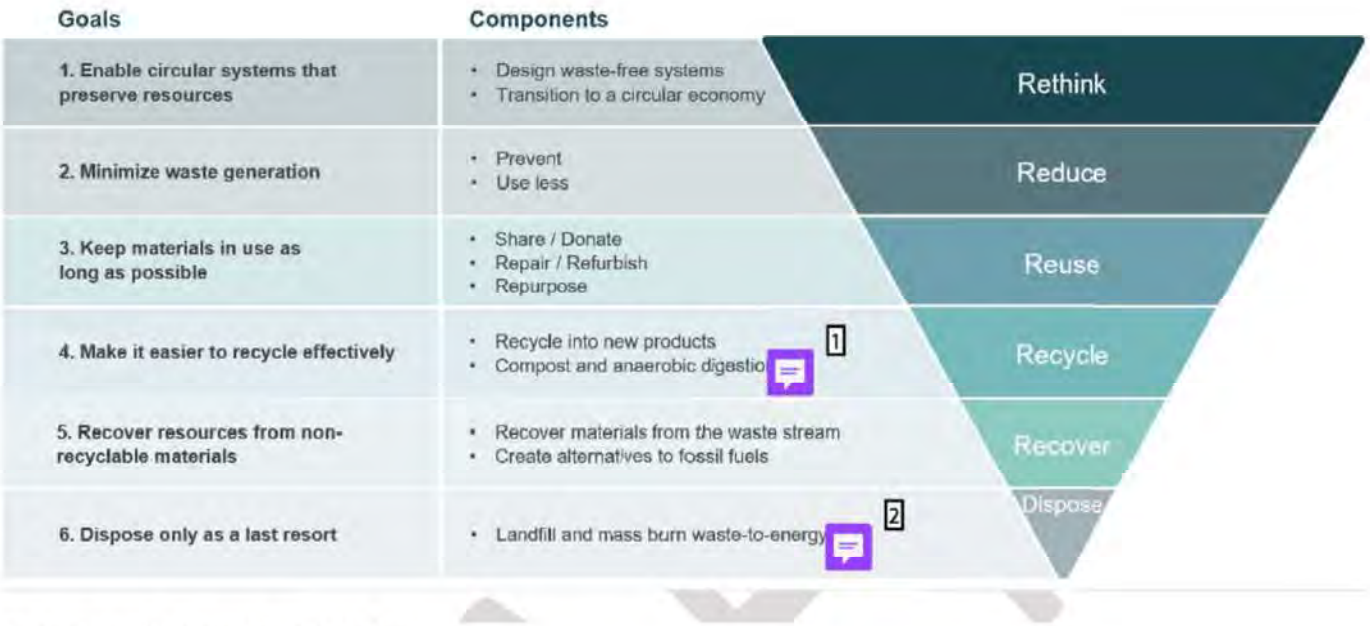

Figure 1: Goals and Hierarchy

Primary Performance Metrics and Targets

Performance metrics for this plan are categorized into primary and secondary metrics. The targets described in this plan correspond to the primary metrics of waste generation, diversion and recycling, disposal, and greenhouse gas emissions. The performance targets set by this plan were developed using existing baseline data and represent progress across all levels of the hierarchy.

To measure progress toward the goals of transitioning to a circular economy where resources are preserved, minimizing waste generation, and keeping materials in use as long as possible, this Plan establishes a target to reduce per capita waste generation in the region by 20% from 2025 levels (less than 1 tonne/capita) by 2050, calculated on a rolling 5 year average. This waste generation target reflects Metro Vancouver's commitment to rethinking consumption and preventing waste.

To align with the goals of making it easier to recycle effectively and recover resources from non-recyclable materials, waste must, as much as possible, be diverted away from landfill disposal and mass burn waste-to-energy into programs aimed at recycling material a int ew a erial before recovering materials as fuel. The second target of the updated plan is to achieve a 75% recycling rate and 80% diversion rate by 2050. The difference between the two can be described as follows:

Recycling rate refers to the tonnes of source separated material recycled into new products, including compost, as a proportion of the total tonnes of all material recycled, recovered and disposed.

Diversion includes all of the material recycled plus any material used to create alternatives to fossil fuels, and any material recovered from the waste stream used for any purpose. The diversion rate refers to

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Number: 1 Author: admin Subject: Sticky Note Date: 2026-02-17 12:28:46 PM -08'00'

Author: admin Subject: Sticky Note Date: 2026-02-17 12:28:43 PM -08'00'
Would not anaerobic digestion be better under "5"?

Number: 2 Author: admin Subject: Sticky Note Date: 2026-02-13 12:38:21 PM -08'00'

Author: admin Subject: Sticky Note Date: 2026-02-17 12:26:35 PM -08'00'
What is the latest (over the last 10-15 years) on WtE? Aren't most European countries shutting them down now?

Number: 3 Author: admin Subject: Highlight Date: 2026-02-17 12:31:40 PM -08'00'
20% by 2025 is in the past now. What has been the reduction % by 2025? Also, additional targets prior to 2050 prompt more pragmatic shorter-term efforts (i.e., 2030, 2035, 2040).

Number: 4 Author: admin Subject: Highlight Date: 2026-02-17 12:32:07 PM -08'00'
If the Burnaby incinerator should be closed, statements such as this are unnecessary.

Number: 5 Author: admin Subject: Highlight Date: 2026-02-13 12:47:35 PM -08'00'

Number: 6 Author: admin Subject: Highlight Date: 2026-02-13 12:47:55 PM -08'00'

the tonnes of material diverted as a portion of the total tonnes of material recycled, recovered and disposed.

To reflect the goal of disposal only as a last resort, this plan sets a target for the Metro Vancouver region to reduce the waste disposal rate to less than 210 kg per capita: a 50% reduction from 2025 levels by 2050, exceeding the provincial benchmark. As of Spring 2026, the provincial target for disposal rate is 350 kg per capita.

As of 2024, the overall regional diversion rate was 65%. The overall 80% diversion target implies the following approximate diversion rates by sector.

Single Family Residential: 77% (64% achieved in 2024)

Multi-Family Residential: 73% (36% achieved in 2024)

Commercial-Institutional: 73% (47% achieved in 2024)

Construction and Demolition: 92% (81% achieved in 2024)

The per sector rates are calculated based on the estimated practically recyclable or recoverable materials remaining in each of the sector waste streams considering the initiatives included in the solid waste management plan.

Metro Vancouver also aspires to achieve overall carbon neutrality by 2050, as aligned with the Climate 2050 Roadmap which considers Scope 1 and 2 emissions, not embodied carbon.

The four targets, including interim targets for 2040, are summarized in the following figure, using 2025 data as a baseline.

DRAFT

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Number: 1 Author: admin Subject: Highlight Date: 2026-02-13 12:49:16 PM -08'00'

Number: 2 Author: admin Subject: Sticky Note Date: 2026-02-17 12:37:46 PM -08'00'

Are not other BC jurisdictions more 'progressive' in the targets - such as Regional District of Nanaimo (RDN) and the Capital Regional District (CRD). The relative population and capability of actions based on economies of scale alone might suggest the need for MV to lead the way! Also, obviously, the provincial government needs a more aggressive target, notwithstanding the more rural communities who don't have the ability to be as aggressive as larger urban communities.

Number: 3 Author: admin Subject: Highlight Date: 2026-02-13 12:50:11 PM -08'00'

Number: 4 Author: admin Subject: Highlight Date: 2026-02-13 12:52:32 PM -08'00'

Number: 5 Author: admin Subject: Highlight Date: 2026-02-13 12:55:23 PM -08'00'

To what extent should Metro Vancouver's SWMP recognize efforts with other departments/levels of government and companies to reduce embodied emissions over time (see efforts by MV, City of Vancouver, City of North Vancouver and City of Richmond on the topic).



Figure 2: Targets

Following approval of the solid waste management plan, interim 10-year targets will be identified based on a linear interpolation to the 2040 targets. Progress in achieving those targets will be reported to the Ministry of Environment and Parks and publicly annually.

Targets for waste generation and disposal are both on a per capita basis. For reference, total waste generation and disposal will also be tracked and reported annually.

Secondary Performance Metrics

Secondary metrics will provide quantitative or qualitative indicators to support progress measurement in specific areas. To enhance performance monitoring, this solid waste management plan adopts a suite of metrics that provide insight into progress and emerging trends over time. Tracking progress can be challenging where quantitative data is limited such as estimating reuse or assessing performance from waste prevention initiatives (rethink, reduce, and reuse). A suite of secondary metrics provide multiple measures of performance to assist with reviewing plan progress overall.

The secondary metrics reflect the actions and strategies within the plan and will be reported alongside the primary metrics and targets. The following table summarizes the secondary metrics that will be reported. Metrics will be reassessed periodically based on the availability and reliability of supporting data.

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Number: 1 Author: admin Subject: Sticky Note Date: 2026-02-17 12:41:28 PM -08'00'

What is the 'baseline year' for the reduction, diversion, recycling percentages shown? Show the baseline on Figure 2.

Number: 2 Author: admin Subject: Sticky Note Date: 2026-02-13 1:01:20 PM -08'00'

".....and to the public annually."

Number: 3 Author: admin Subject: Highlight Date: 2026-02-17 12:42:44 PM -08'00'

What is the reasoning to not include, or prioritize 'absolute waste generation and disposal targets'? Land use densification and business/ commercial economies of scale practices should, if coordinated and incentivized accordingly, reduce both per capita and absolute metrics.

Number: 4 Author: admin Subject: Highlight Date: 2026-02-13 1:07:59 PM -08'00'

This is indeed reasonable and consistent for secondary metrics in general.

Number: 5 Author: admin Subject: Highlight Date: 2026-02-13 1:09:04 PM -08'00'

Sense of 'frequency' of such measurements?

Table 1: Secondary Metrics

Goals Categories	Secondary Metrics
1. Rethink	• number of circular jobs • number of circular initiatives supported/introduced • summary of advocacy efforts • number of member jurisdictions with circular procurement policies
2. Reduce	• number of single-use items in garbage • amount of preventable food waste in garbage plus a summary of available information on food loss • percentage of region covered by reusables for dine-in regulations
3. Reuse	• tonnes measurable reuse • number items repaired at repair events • number of buildings relocated or deconstructed • percentage of region by population covered by deconstruction or home relocation requirements • tonnes food rescued
4. Recycle	• recycling rate by sector (single family residential, multi-family residential, commercial, construction and demolition) • recycling rate by material category • trends in availability of and participation in organics recycling programs • organics contamination rates
5. Recover	• ratio of recycling as a portion of diversion
6. Dispose	• energy generated (waste-to-energy and Landfill) • greenhouse gas emissions from disposal facilities

OVERVIEW

Metro Vancouver is responsible for planning for waste prevention, reduction, reuse, and recycling, and operating a series of solid waste facilities located around the region. This work is guided by a commitment to environmental stewardship, and affordable and accessible waste management services. It would not be possible without the continued efforts of committed residents and innovative businesses and non-profits across the region, and the programs and services provided by member jurisdictions. Through contractors, Metro Vancouver operates a series of recycling and waste centres

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Number: 1 Author: admin Subject: Sticky Note Date: 2026-02-17 12:46:21 PM -08'00'

Secondary indicators - How do these compare with other BC (e.g., RDN, CRD – to the extent these comparisons can be done, it would make it easier for regional comparisons, and better for higher levels of government) and other comparable jurisdictions internationally? Guard against 'indicatoritis'. If 'proxy' indicators do not meet their ap'proxi'mate roles, don't use.

Number: 2 Author: admin Subject: Comment on Text Date: 2026-02-13 1:32:27 PM -08'00'

Will be interesting to see this roughly defined.

Number: 3 Author: admin Subject: Comment on Text Date: 2026-02-13 1:37:49 PM -08'00'

Could differentiate residential from business/commercial/industrial

Number: 4 Author: admin Subject: Comment on Text Date: 2026-02-13 1:40:05 PM -08'00'

Why is construction and demolition considered a 'sector', and what about 'new' versus 'retrofitting'?

Number: 5 Author: admin Subject: Sticky Note Date: 2026-02-13 1:41:52 PM -08'00'

so if "for planning for", then "for operating".

Technology Canada. Statistics Canada supports solid waste data collection and reporting, allowing for comparison of certain key performance indicators across the country.

Provincial Government

British Columbia sets the provincial framework for waste management through legislation such as the *Environmental Management Act*. The Ministry of Environment and Parks approves solid waste management plans for regional districts in BC. The provincial government is responsible for setting the requirements for extended producer responsibility programs through the *BC Recycling Regulation*. Product stewardship programs are a cornerstone of the provincial regulatory framework to promote recycling.

Regional Districts

Regional districts including Metro Vancouver are responsible for developing and implementing solid waste management plans. Provincial guidance for the development of those plans is contained in *A Guide to Solid Waste Management Planning.* Metro Vancouver carries out this responsibility through the Greater Vancouver Sewerage and Drainage District (GVS&DD), with the authority of the GVS&DD described in the *GVS&DD Act*. Policy and funding decisions with respect to Metro Vancouver's solid waste management plan development and implementation are made by the GVS&DD Board, a board of directors composed of representatives of the member jurisdictions of the region.

Member Jurisdictions

Metro Vancouver member jurisdictions collect garbage and organics from residents and some businesses, either directly or through service agreements with service providers in the region, and provide education and outreach in support of these services. Member jurisdictions provide street cleaning, abandoned waste and public realm litter and recycling collection services to protect the environment and public. Some member jurisdictions also own and operate recycling depots or organics facilities in the region. Member jurisdictions have regulatory authority to enact and enforce specific bylaws at the property level and for the public realm, that directly influence requirements for recycling and garbage collection, and for controlling littering.

Waste and Recycling Industry

The waste and recycling industry in Metro Vancouver includes waste, recycling, and organics haulers as well as facility operators and material processors. The industry provides services to all sectors and is involved at every stage of waste management including education, collection and transportation, sorting, and processing of materials. Collaboration with industry is essential to the system's success, its investment and innovation have contributed to the success of waste management and diversion goals in the region.

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Number: 1 Author: admin Subject: Sticky Note Date: 2026-02-13 1:52:26 PM -08'00'

And since the BC Ministry of Environment aggregates solid waste data from regions across BC, this should be included here.....and (or used to) report this data per regional district and (directly or extrapolated) to member municipalities through Community Energy and Emissions Inventories (CEEIs).

Number: 2 Author: admin Subject: Sticky Note Date: 2026-02-13 1:54:03 PM -08'00'

"processing" includes disposing?

Number: 3 Author: admin Subject: Highlight Date: 2026-02-13 1:54:35 PM -08'00'

Working Collaboratively with First Nations

Metro Vancouver recognizes and respects the existing Aboriginal and treaty rights of Indigenous peoples in Canada, as recognized and affirmed by section 35 of the Constitution Act, 1982 In 2007, the Unit Nations General Assembly adopted the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP). The governments of Canada and British Columbia have enacted legislation to contribute to the implementation of UNDRIP.

In its preamble, UNDRIP states that "respect for Indigenous knowledge, cultures and traditional practices contributes to sustainable and equitable development and proper management of the environment." [1]

As part of our continued reconciliation efforts, Metro Vancouver is committed to meaningful engagement, dialogue, and collaboration with First Nations on our plans, programs, and projects, as outlined in Metro Vancouver's Board Strategic Plan, 2022-2026. We also continue to build and strengthen respectful and reciprocal relationships with First Nations, guided by the principles of UNDRIP "as a standard of achievement to be pursued in a spirit of partnership and mutual respect."[2]

The provincial *A Guide to Solid Waste Management Planning* provides guidance on developing and renewing solid waste management plans. The guide notes that a First Nations engagement strategy should outline an approach for sharing information and inviting participation in the preparation or review of a solid waste management plan.

The First Nations engagement strategy supporting Metro Vancouver's solid waste management plan update outlines a collaborative government-to-government engagement approach with First Nations identified as having interests within the Metro Vancouver region[3] as well as a community engagement approach inviting further dialogue with Indigenous peoples[4].

Metro Vancouver expresses deep appreciation to the First Nations who contributed their time, insights, and expertise throughout the engagement process to update the solid waste management plan. The conversations and knowledge shared have provided understandings that extend well beyond this plan and will continue to guide Metro Vancouver's work in the years ahead.The solid waste management plan seeks to honour the Board's commitment to reconciliation. The strategies and actions in the plan reflect key themes heard during engagement with First Nations. These themes include:

- Improving access to solid waste programs and services for First Nations communities

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[1] UNDRIP Preamble paragraph 11

[2] UNDRIP Preamble paragraph 24

[3] Metro Vancouver engages with First Nations whose consultative area overlaps with a project location. A Consultation Area is an area in which a First Nation claims their Aboriginal Rights. There are 34 First Nations with interests in the Metro Vancouver Regional District. First Nations' Consultation Areas can be found using the "Consultative Areas Database," a Provincial mapping tool available to the public.

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Number: 1	Author: admin	Subject: Highlight	Date: 2026-02-13 1:59:01 PM -08'00'
Number: 2	Author: admin	Subject: Highlight	Date: 2026-02-13 2:02:03 PM -08'00'

Regional Solid Waste System

Metro Vancouver and the City of Vancouver operate a network of solid waste facilities across the region that offer recycling and reuse drop-off and waste disposal services, as shown in Figure 3.

Figure 3: Regional Solid Waste System



Additional solid waste facilities operating in the region include municipal recycling depots and private solid waste facilities (recycling, compost, disposal, construction and demolition transfer stations, and material recovery facilities plus facilities exempted from licensing such as concrete processing facilities).

The primary purposes of Metro Vancouver solid waste facilities are to receive a range of recyclables and reusables from residents and businesses delivering those materials in small hand-unloaded vehicles and to receive primaril residential, commercial, institutional and residential garbage.

Metro Vancouver is committed to encouraging private sector solutions to increase waste reduction and recycling in the region. Expansion of recycling and reuse drop-off services are expected to be primarily for the purpose of expanding services for customers delivering loads in small vehicles. Metro Vancouver may consider further expansion of services in some circumstances, including but not limited to:

- Instances when private sector solutions may not be sufficient or adequate due to market disruptions, gaps, or failures, particularly in relation to services provided to member jurisdictions,

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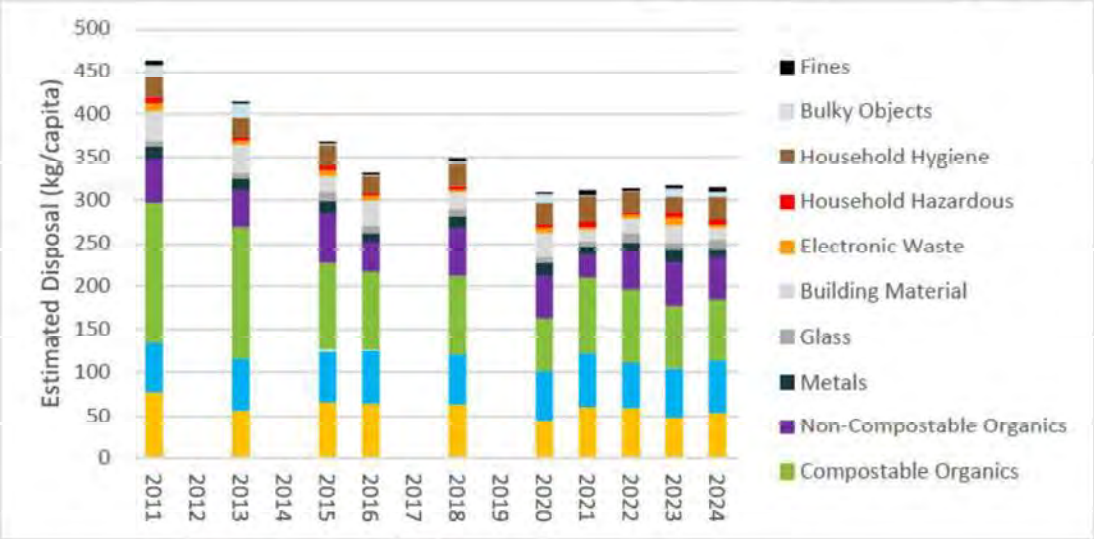
'residential' repeated

- Changes to extended producer responsibility regulations that may impact the ability of the private sector to provide sufficient or adequate service,
- Supply chain impacts, including temporary disruptions to facility access or use due to extreme weather,
- Opportunities for cost savings by collocating services at recycling and waste centres or other Metro Vancouver facilities, or
- Pilot studies evaluating the feasibility of collecting and processing recyclable materials which currently do not have a viable market.

Composition of Regional Waste Disposed Over Time

Figure 4: Waste Composition Over Time



As part of the process to update the solid waste management plan, Metro Vancouver reviewed progress since the previous 2011 *Integrated Solid Waste and Resource Management Plan* was implemented, including trends in waste composition (Figure 4), disposal, and recycling and waste generation data, to identify topic areas representing key issues and opportunities. 2025 will serve as the baseline year from which to assess future progress.

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co-locating

The National Zero Waste Council was developed following the approval of the 2011 solid waste management plan to support success in waste prevention. The work of the council emphasizes circularity as a solutions framework, and seeks cross-jurisdiction and cross-sector approaches to reducing waste through changes in design and behaviour. Finding solutions to waste prevention requires knowledge-building, knowledge-sharing, collaboration, advocacy, and implementing system changes at scales ranging from local to national and beyond.

Scope of the Plan

The plan covers actions that Metro Vancouver, often in collaboration with its members or other organizations, can undertake to further advance waste prevention, reduce greenhouse gases, transition to a circular economy, and responsibly manage materials that are left over, in accordance with the waste hierarchy and the plan goals. This includes strategies for advocacy efforts to rethink the system, outreach and education, implementation or expansion of programs and policies, and offering services at Metro Vancouver facilities. The plan contemplates strategic priorities for regulation and recycling and waste centre development, as well as technical criteria for assessing residual management options as a framework for future decision making in those areas.

Actions in the plan focus on municipal solid waste: discarded solid material that originates from residential, commercial, institutional, demolition, land clearing or construction sources. Waste from agricultural and industrial sources are out of scope for this plan; however, waste prevention efforts may extend to these sectors.

Geographically, the plan covers the extent of the Metro Vancouver Regional District, including Belcarra, Bowen Island, Lions Bay, and sc̓əw̓aθən məsteyəxʷ (Tsawwassen First Nation), which are not a part of the GVS&DD. Figure 6 shows the boundaries of the Metro Vancouver Regional District.

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Due primarily to difficulty in accurately gathering the data?

Table 2: Alignments and Linkages

Environment and Climate Change Canada Target	Metro Vancouver's Solid Waste Management Plan
By 2030, the amount of single-use plastics that is entering the environment as pollution will be reduced by 5% and that are sent to landfill by 3%	The updated solid waste management plan outlines efforts to continue Metro Vancouver's ongoing work to reduce single-use items, which is supported by a robust provincial regulatory framework and efforts by member jurisdictions. Metro Vancouver's targets are based on a 30% reduction in single-use items by 2050.
Reduce the amount of waste Canadians send to disposal from a baseline of 699 kilograms per person in 2014 to 490 kilograms per person by 2030 (a 30% reduction); and to 350 kilograms per person by 2040 (a 50% reduction)	Metro Vancouver's per capita disposal target is 260 kg/person by 2040, below the federal target of 350 kg/person.

Alignment with Provincial Initiatives

This plan was completed in accordance with the provincial document, *A Guide to Solid Waste Management Planning*, and as required by the *Environmental Management Act*. One of Metro Vancouver's targets is to reduce per capita disposal to 170 kg/person by 2050, which is less than provincial target of 350 kg/person.

Metro Vancouver's hierarchy aligns with the BC Pollution Prevention Hierarchy, with some exceptions:

- "Rethink" has been added as an additional tier above "Reduce" in response to feedback received on including a strong circular economy and waste prevention focus.
- "Recover" includes all material used as an alternative fuel, and does not include mass burn waste-to-energy, reflecting that mass burn waste-to-energy is defined as a disposal method to manage residual garbage, similar to landfilling; a d
- "Dispose" replaces "Residuals Management" and includes both landfill and mass burn waste-to-energy.

Metro Vancouver's guiding principles complement the provincial principles in *A Guide to Solid Waste Management Planning*, and were developed based on the unique characteristics and conditions of the region.

Alignment with other Metro Vancouver plans

There is interdependence between the goals, strategies, and actions in this plan and those in other regional plans.

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Not a MV action, but given our international plastics conundrum, these targets appear 'very' modest. Fyi, the next Federal Sustainable Development Strategy is now out for comment. Does that document also address this issue nationally?

Number: 2 Author: admin Subject: Highlight Date: 2026-02-17 1:00:49 PM -08'00'

30% appears relatively noble by 2050, but still conservative considering the parties getting involved and the relative immediacy/priority of the issue. Especially since reducing plastics is emphasized in Strategy 1.1.

Number: 3 Author: admin Subject: Comment on Text Date: 2026-02-17 12:52:14 PM -08'00'

So, only a 3% reduction of single-use plastics by 2030, yet an overall 30% reduction of all waste sent to disposal by 2030?

Number: 4 Author: admin Subject: Comment on Text Date: 2026-02-13 2:26:50 PM -08'00'

Then the Province needs to 'raise its game'!

Number: 5 Author: admin Subject: Comment on Text Date: 2026-02-13 2:33:15 PM -08'00'

As Metro Vancouver represents a substantial portion of solid waste and its related practices (with exception to the Burnaby incinerator), it is unclear why these exceptions exist (except where it can be argued that the new enlightenment of one - e.g., rethink - is brought into play before the other is revisited). I'd be curious on the Province's take on the use of 'dispose' rather than 'residuals management' (notwithstanding the incinerator component).

Number: 6 Author: admin Subject: Highlight Date: 2026-02-13 2:28:52 PM -08'00'

Though 'dissimilar' given landfills mostly affect water and soil, whereas incineration exposes the surrounding air and peoples to toxicity.

Board Strategic Plan (2022-2026) – provides a framework for regional decision-making, setting goals and priorities across service areas like utilities, planning, and environment, to guide staff, ensure sustainable growth, and foster a livable, resilient region for current and future generations

Clean Air Plan (2021) – The Clean Air Plan (2021) is Metro Vancouver's plan for reducing air contaminant emissions and managing air quality this decade. The Clean Air Plan includes key actions to effectively reduce greenhouse gas emissions in this region, in pursuit of 2030 emissions targets. It also includes actions to reduce health harming air contaminants, as well as greenhouse gas emissions. Linkages with the solid waste management plan include strategies to shift to zero carbon district energy systems, accelerate the transition to lower embodied emissions in buildings, accelerate emission reductions from industrial facilities, and implement leading management practices to continually improve regional air quality and reduce greenhouse gas emissions.

Climate 2050 (2019) – Climate 2050 is a long-term region-wide strategy to guide the region toward a low-carbon, climate-resilient future by 2050, with actions for all orders of government and other agencies. It focuses on reducing greenhouse gas (GHG) emissions and adapting to climate impacts through specific roadmaps for areas like energy, transport, buildings, nature, and health, aiming for carbon neutrality and protecting ecosystems.

The *Climate 2050 Solid Waste Primer* was developed to provide a linkage between the Climate 2050 strategic framework and the solid waste management plan. It provides an overview of the sources of greenhouse gas emissions from disposal of solid waste generated in the Metro Vancouver region since 2010 and offers a summary of actions taken to date to reduce climate impacts and offset over 35 per cent of annual emissions related to solid waste disposal by 2050. Future actions to reduce and offset emissions from solid waste disposal are not included in the primer but instead are identified within this solid waste management plan with the goal of achieving carbon neutrality for solid waste disposal by 2050.

Metro 2050 (2022) – Metro 2050 is the region's collective vision for how growth will be managed to support the creation of complete, connected, and resilient communities, while protecting important lands and supporting the efficient provision of urban infrastructure like transit and utilities. Linkages with the solid waste management plan include a strategy to advance land use, infrastructure, and human settlement patterns that reduce energy consumption and greenhouse gas emissions, create carbon storage opportunities, and improve air quality.

Liquid Waste Management Plan (2026) – Metro Vancouver's liquid waste management plan (provincial approval pending at the time of writing) includes community-specific solutions for Metro Vancouver and its member jurisdictions to manage wastewater and rainwater, and to address growing pressures in the region, while protecting public health and the environment. Key linkages with the solid waste management plan include strategies to diversify options for biosolids and implement proven resource recovery technologies.

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Hence, how is the incinerator reconciled/rationalized here?

Regional Food Systems Strategy (2025) – Metro Vancouver's Regional Food Systems Strategy supports a collaborative approach to creating a sustainable, resilient, and healthy food system that contributes to the well-being of all residents, the economic prosperity of the region, and the conservation of our ecological legacy. The Regional Food System Strategy has key intersections with the solid waste management plan with respect to food waste prevention and food recove

STRATEGIES AND ACTIONS

The following strategies and actions are specific initiatives to be pursued to achieve the goals and targets of the solid waste management plan. They are organized according to the waste hierarchy, and reflect the themes and priorities heard from residents and businesses throughout the region.

Metro Vancouver's member jurisdictions have an important role to play in accomplishing the goals of the solid waste management plan. While each member has unique goals and priorities reflecting their own community the strategies and actions include opportunities for Metro Vancouver and members to collaborate. Member jurisdiction actions presented in the solid waste management plan are intended as potential areas of focus for members to consider – they are not requirements.

Goal 1: Rethink

To meet the region's ambitious waste reduction goals, systemic change is needed through a broad shift toward a circular economy that conserves resources by keeping them in use longer and eliminates unnecessary or problematic products and packaging that cannot be reused or recycled. Achieving this transformation will require new circular policies, designs, and business models. Metro Vancouver will act as a catalyst for this transition by implementing the following strategies:

STRATEGY 1.1

Advocate for circular economy policies and programs

To enable a systems level shift from a linear to a circular economy, policy leadership from senior levels of government is essential. A consistent set of policies and programs will allow the business community to create innovative and circular waste prevention solutions. Priority areas for advocacy include food systems, the built environment, durable and repairable consumer goods, data collection, and reducing short-lived or unnecessary products and packaging – especially plastics Met o Va ouve wil wor to align with international efforts and join voices with local governments and business leaders across Canada to amplify the message that circular policies are urgently needed to transition away from the current take-make-dispose economy.

1.1.

1.1.1. Advocate for incentives and funding programs for key circular activities:

1.1.1.1. Circular built environment solutions such as design for disassembly, buildings as material banks, and incorporation of used building materials for new construction.

1.1.1.2. Low-waste local food production such as vertical farms, gleaning, food remanufacturing, and industrial symbiosis opportunities.

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Though it was mentioned above that 'agriculture' is not a component of the MV SWMP.

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1.1.1.3. Circular products and services.

1.1.2. Advocate for the phase-in of regulations that eliminate unnecessary, problematic, non-recyclable products and packaging.

1.1.3. Work with other municipalities and regions across Canada to develop and advocate for implementation of priority circular economy policies.

1.1.4. Advocate for policies and programs to improve:

1.1.4.1. Circular built environment solutions

1.1.4.2. Circular food systems

1.1.4.3. Circular products and services

STRATEGY 1.2

Help lead the transition to a more circular regional economy through waste prevention

To support the transition to a more circular regional economy, Metro Vancouver will draw on the circular innovation potential of regional businesses by connecting them with the resources and expertise they need to decouple their growth from waste, reduce their supply chain risk and carbon impacts, and keep valuable materials in circulation for longer.

1.2.

1.2.1. Lead by example by integrating additional waste prevention policy and programs within Metro Vancouver's corporate operations and share learnings with other jurisdictions.

1.2.2. Work with economic development agencies to:

1.2.2.1. Identify and implement circular business opportunities.

1.2.2.2. Co-develop industry-supported standardized methods of tracking waste prevention performance.

1.2.2.3. Develop a recognition program to celebrate businesses in the region leading the adoption of new circular economy practices.

1.2.2.4. Increase low barrier employment opportunities that support a circular economy.

1.2.3. Increase circular economy curriculum and training

1.2.3.1. Embed circular economy into professional development

1.2.3.2. Improve circular economy education in schools through field trips, hands-on learning, and co-developed innovative approaches

1.2.4. Work with trade schools, industry associations, practice leaders, and senior government to identify and implement solutions to fill skills training gaps required to:

1.2.4.1. Scale circular food systems.

1.2.4.2. Rethink approaches to a circular built environment, such as design for disassembly.

1.2.4.3. Equip small and medium-sized enterprises with practical guidance to operationalize circular economy practices.

1.2.4.4. Improve access to circular products and services including reuse and repair

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share "learnings with and from other jurisdictions".

Metro Vancouver and member jurisdictions will collaborate to:

1.2.5. Work with members to develop, test and share consistent approaches for tracking progress on circular policies and programs.

1.2.6. Work with businesses to implement solutions to support circular products and services

STRATEGY 1.3

Collaborate to advance a circular economy

Moving away from a linear economy to one that is circular requires a shift in mindset and a commitment to systems level change. This transformation also requires leadership by, and collaboration between, government, business, and non-governmental organizations. Metro Vancouver will help facilitate this work through a national platform for shared learning, collaboration, and leadership.

1.3.

1.3.1. Bring together ideas and facilitate discussions across sectors to create circular economy solutions that accelerate waste prevention

1.3.2. Collaborate with external groups to identify and implement new circular economy initiatives in the community

1.3.3. Work with national waste reduction and circular economy organizations to learn and share circular practices with a focus on the following priority sectors, and other sectors and materials as they emerge:

1.3.3.1. Textiles

1.3.3.2. Procurement

1.3.3.3. Cities

1.3.3.4. The built environment

1.3.3.5. Plastics

1.3.4. Collaborate on research projects and pilots to further advance waste reduction and a circular economy, and share the findings broadly

1.3.4.1. Collaborate with governments and industry to develop digital tools that map how buildings are constructed and what materials they contain, enabling better tracking and forecasting of used building materials for reuse

Metro Vancouver and member jurisdictions will collaborate to:

1.3.5. Develop, test and share circular procurement approaches, tools and templates (ID030/ID160).

STRATEGY 1.4

Collect and share data to track progress toward a circular economy

Clear and consistent reporting frameworks and metrics are vital for advancing the circular economy. They provide data to measure and track progress, help inform decisions, and demonstrate the value of

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circular business models. Metro Vancouver will work across sectors to help develop and share best practices and results to enable a shared understanding of circular economic progress.

1.4.

1.4.1. Work toward annual solid waste management reporting by material type on all levels of the waste hierarchy, starting with organics, wood, and textiles

1.4.1.1. Explore feasibility of complementing this data with comprehensive materials flows for key sectors every 5-10 years to better track progress toward keeping materials in circulation for longer.

1.4.2. Continue to develop and improve key performance indicators to track progress on circular economy through rethinking and reducing waste.

1.4.3. Develop methods for estimating and reporting environmental and economic benefits for waste prevention actions such as reduction of greenhouse gas emissions (potentially including embodied carbon), potential cost savings, affordability, and life-cycle impacts.

1.4.4. Explore new data collection technology.

1.4.5. Strengthen waste composition data to improve actionable insights.

1.4.6. Research and pilot ways to measure success of collaborations.

1.4.7. Explore ways to measure diversity, equity, and inclusion in solid waste data starting with current practices and gaps.

Goal 2: Reduce

STRATEGY 2.1

Collaborate with businesses and institutions to reduce waste at the source

Businesses deliver products and services that meet the daily needs of Metro Vancouver residents. Starting with the construction, demolition, textiles, and hospitality sectors, Metro Vancouver will work with businesses and institutions to reduce waste generated in delivering these products and services.

2.1.

2.1.1. Collaborate with member jurisdictions and the construction and demolition sector to develop solutions for waste reduction that can be implemented at the regional level:

2.1.1.1. Co-host events with the construction and demolition industry, housing and development sectors, and member jurisdictions to help build awareness, share success stories and workshop solutions to reduce waste.

2.1.1.2. Update the Metro Vancouver Construction and Demolition Waste Reduction Toolkit starting with refreshed case studies that follow a format developed collaboratively with industry and member jurisdictions.

2.1.2. Research and summarize the challenges and opportunities related to reducing construction and demolition waste.

2.1.3. Connect with member jurisdictions and the textiles sector to develop solutions for textile waste reduction.

2.1.4. Support reduction of waste from business with practical tools and education:

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2.1.4.1. Co-develop education tools w th bus ness eaders and associations to help businesses reduce waste, motivate customers to participate, and comply with evolving waste reduction regulations.

2.1.4.2. Increase in-person education where businesses and others can talk directly with experts on how to reduce waste.

2.1.5. Host forums with large generators of waste to co-develop waste reduction solutions.

2.1.6. Work with high waste generation sectors to develop and promote circular procurement tools and templates.

Metro Vancouver and member jurisdictions will collaborate to:

2.1.7. Develop, test and share approaches to further measures and reduce commercial and institutional waste.

2.1.8. Develop, test and share definitions and approaches for zoning and development bylaws to clarify siting requirements for waste reduction and recycling activities.

STRATEGY 2.2

Encourage residents to reduce and prevent waste

Many materials and products in British Columbia can be recycled, which has contributed to Metro Vancouver's high recycling rate. However, to achieve the waste reduction goals outlined in this plan, we need to go beyond recycling and focus on preventing waste before it is created. v yday waste prevention habits of residents add up to make a big difference. Metro Vancouver will encourage residents to prevent waste by implementing the following actions:

2.2.

2.2.1. Increase in-person education where residents can talk directly with waste reduction educators.

2.2.2. Educate residents on affordable everyday waste prevention actions, measure and communicate the estimated impact, and celebrate high performers.

2.2.3. Expand education tools to help residents of multi-family buildings to reduce waste, increase participation, and comply with evolving waste reduction regulations.

STRATEGY 2.3

Prioritize food waste reduction initiatives for the commercial and institutional sectors

Food production requires significant resources — land, water, and energy — and often involves long-distance transportation before reaching local stores, restaurants, and businesses. Yet, much of this food is still wasted. Through the actions below, Metro Vancouver will support residents and businesses to reduce the amount of food that is wasted. This will help reduce waste locally and decrease the global environmental impacts associated with food loss from food production.

2.3.

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2.3.1. Work with businesses, industry associations, and non-profits to reduce food loss and waste by improving distribution, purchasing, storage, and preparation methods.

2.3.2. Share learnings through resources with a particular focus on the hospitality and entertainment sectors.

Goal 3: Reuse

STRATEGY 3.1

Support consistent approaches to reuse

Consistent approaches to government reuse policies and programs can reduce confusion for residents, improve efficiency for businesses, and help enable widespread adoption. Metro Vancouver will play a convening role to develop, test, and share guidance around aligning programs and policies for reusable food service ware and salvaged building materials through the following actions:

3.1.

3.1.1. Advocate for the phase in of reusable food service ware requirements for non-residential sectors.

Metro Vancouver and member jurisdictions will collaborate to:

3.1.2. Develop, test and share improved tools and approaches for house relocation and deconstruction programs and policies including data review.

3.1.3. Update the regionally harmonized approach to reducing single-use items and phasing in reuse measures.

STRATEGY 3.2

Enhance extended producer responsibility programs

Since the development of extended producer responsibility programs in British Columbia, Metro Vancouver has supported shifting recycling, reuse, and repair responsibilities to producers while advocating for continued expansion to include more sectors and material types. Met o V n ouve wi continue to participate in discussions with the province, producer responsibility organizations, and member jurisdictions to build on the success of these programs. These actions focus on the role of extended producer responsibility programs in advancing recycling and their potential to facilitate the implementation of reuse and repair systems.

3.2.

3.2.1. Identify and advocate for additional products to be added to extended producer responsibility programs such as mattresses, textiles, household furniture, and packaging from sectors such as care homes and schools with similar materials to residential recycling programs.

3.2.2. Advocate for accelerated implementation of residential collection of an expanded suite of materials including soft plastics and foam.

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Would encouraging more localized food production (to reduce food waste exacerbated by long distance transport) not also be in the purview of MV's SWMP.....similar to MV's involvement in this document of rethinking waste before it even becomes part of the waste hierarchy?

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Is this soft'ware' or does 'ware' have some other meaning?

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Number: 6 Author: admin Subject: Highlight Date: 2026-02-14 6:02:46 PM -08'00'

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3.2.3. Explore opportunities for expanded recycling drop-off options for products, including mobile options to improve convenience and accessibility.
3.2.4. Advocate for consistent extended producer responsibility programs across Canada.
3.2.5. Advocate for collection programs that reduce barriers for recycling large items.
3.2.6. Participate in extended producer responsibility program engagements and advocate for:
    3.2.6.1. Improvements to existing programs and the implementation of new programs.
    3.2.6.2. Increased financial incentives for local government to participate in collection of producer responsibility programs.
    3.2.6.3. Expansion of residential-only packaging drop-off programs to small businesses.
    3.2.6.4. The inclusion of reuse and repair in extended producer responsibility programs.

STRATEGY 3.3

Increase reuse of used building materials

To accommodate a growing region, more single-family homes are being removed to make way for higher density housing. As a result, construction and demolition waste - already a significant portion of the region's waste - is expected to continue to grow. Salvage and reuse of building materials can support affordability and reduce the strain on disposal capacity from increased densification of the housing stock. Building relocation, salvage, and reuse of building materials remains relatively uncommon. Metro Vancouver will work to increase these activities through the following actions:

3.3.

3.3.1. Advocate to increase the use of used building materials in new projects.
3.3.2. Foster further development of second-hand building material markets.
    3.3.2.1. Encourage the development of facilities and collection programs for triaging building materials to their best and highest use
    3.3.2.2. Explore options for implementing an online marketplace for salvaged construction and demolition materials.
    3.3.2.3. Encourage residents to incorporate m re used building materials into their home renovation projects.
3.3.3. Work collaboratively with industry and member jurisdictions to:
    3.3.3.1. Increase reuse in the construction and demolition sector.
    3.3.3.2. Research and explore innovative solutions to meet land use needs for key waste reduction activities such as house moving, deconstruction, and building material resale.

STRATEGY 3.4

Work with event organizers, businesses, and institutions to increase reuse

The public's ability to reduce waste often depends on the choices made by businesses, institutions, and event organizers — many of which increasingly rely on single-use products and packaging. In the hospitality and entertainment sectors, items such as disposable cups, containers, utensils, and food accessories are used briefly before being disposed or recycled. For electronics and appliances, repair can be costly or difficult to navigate. Metro Vancouver will work collaboratively with other levels of

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government, event organizers, businesses, and institutions to expand reuse, repair, and refill options that are convenient, affordable, and easy for residents to participate in.

3.4.

3.4.1. Advocate for funding for the expansion and development of reuse and repair infrastructure such as borrowing of items and products at public libraries, refill at retail, packaging reuse systems, furniture reuse, and a community reuse options database.

3.4.2. Explore the feasibility of a business funding program to support the transition to reuse, refill, repair.

3.4.3. Collaborate with event organizers, event venues, and institutions to implement reusable food service ware, bag reuse programs, and food recovery.

Metro Vancouver and member jurisdictions will collaborate to:

3.4.4. Develop, test and share best practices for waste reduction and recycling for public realm events, prioritizing surplus food redistribution, use of reusable food service ware, and litter reduction.

STRATEGY 3.5

Increase access to and foster the broad adoption of reuse, refill and repair

Sharing and repairing are already happening in a grassroots capacity through community fridges, repair cafés, thrift and vintage stores, buy-nothing groups, and lending libraries. However, access and reliability of these options vary across the region. Met o V n ouv wi wor t expand these opportunities a make it easier for residents to access reliable reuse, refill, and repair options through the following actions:

3.5.

3.5.1. Continue to scale up reuse drop-off at Metro Vancouver recycling and waste centres.

3.5.2. Work collaboratively with food recovery and product reuse organizations to develop a where to reuse, refill, repair data set that can be displayed in universally accessible maps.

3.5.3. Support multi-family buildings to increase donation collection options for reusable items such as clothing and books.

3.5.4. Research and trial additional ways to scale reuse and repair.

3.5.4.1. Support community-based waste reduction and reuse programs for schools, non-profits organizations and community groups

3.5.4.2. Expand and improve convenience of online and in-person second-hand marketplaces.

3.5.4.3. Facilitate expansion of community-based solutions like community share fridges and buy-nothing groups.

Metro Vancouver and member jurisdictions will collaborate to:

3.5.5. Facilitate opportunities to increase the size, number, and frequency of repair and reuse events such as community garage sales, repair cafes, and clothing swaps.

STRATEGY 3.6

Scale efforts to recover food

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Some businesses and organizations in the region produce surplus food, while others need donations as one way to support those who are experiencing food insecurity. Surplus food can also be turned into food products for human and animal consumption. Developing efficient ways to connect those with surplus food to those that need food can reduce waste and help address food insecurity. Metro Vancouver will strengthen and expand the regional food recovery network to help ensure food is put to its highest best use.

3.6.

3.6.1. Maintain and scale a regional food recovery network.

3.6.1.1. Further map out food recovery assets/food waste solutions for each stage of the food supply chain, including a focus on clarifying what foods can be donated to people and animals.

3.6.1.2. Work to ard dev oping a complete set of food recovery data for the region and consider incentives to encourage reporting.

3.6.1.3. Continue to share results of food recovery network initiatives across Metro Vancouver to foster cross-department collaboration on food security and waste reduction.

3.6.2. Work with industry experts and food related sectors to develop a practical guide to measuring and reporting food waste reduction efforts to facilitate development of a complete set of regional food recovery data.

STRATEGY 3.7

Celebrate residents and businesses that prioritize reuse and refill and encourage more residents to participate in these activities

Early adopters who prioritize reuse and refill can help normalize these practices for the general population. Metro Vancouver will support the shift toward reuse and refill by celebrating leaders in reuse and refill, and encouraging more residents to participate through the following actions:

3.7.

3.7.1. Develop waste prevention and reuse programs and education targeting specific sectors that may be unfamiliar with regional waste reduction practices such as newcomers and tourists.

3.7.2. Promote the use of reusable items such as cups and bags, incorporating co-developed messaging that resonates with a diverse audience.

Goal 4: Recycle

Make it easier to recycle effectively

When products and materials are no longer suitable for reuse, recycling is the preferred option. The Metro Vancouver region has made significant progress in recycling, and separation of recyclables, including organics, is now common practice. Despite this success, recycling faces unique challenges through new and changing material types, shifting markets, contamination, and a decrease in public trust. Metro Vancouver aims to address these barriers through the strategies and actions below, making it easier for residents and businesses to recycle in a way that maximizes benefits while reducing contamination.

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STRATEGY 4.1

Promote design for recyclability and the use of recycled content in products and packaging

Effective recycling depends on the presence of robust markets for recycled material, and those markets need both a steady supply of material that can reliably be recycled and strong demand for products and packaging containing recycled content. Although the marketing of recyclable commodities is traditionally managed by producer responsibility organizations or the private sector, Metro Vancouver and its members can help play a role through their own operations, as well as through strategic partnerships with organizations working to increase recycled content in consumer materials.

4.1.

- 4.1.1. Explore solutions to improve the recyclability of products and packaging, and incorporate recycled content.
  - 4.1.1.1. Work with national plastics waste reduction organizations to understand barriers and advocate for increased recycled content in plastic products and packaging.
  - 4.1.1.2. Research and advocate for improvements to the recyclability of multi-material products including coffee cups.
  - 4.1.1.3. Enhance partnerships with the provincial government, industry, academia, and community groups to research, develop and share solutions.

Metro Vancouver and member jurisdictions will collaborate to:

- 4.1.2. Work with engineering design and construction organizations to include recycled asphalt and concrete in roads, fill, and other applications.
- 4.1.3. Develop, test, and share educational materials, procurement tools and templates for recycled products including asphalt, concrete, and compost.

STRATEGY 4.2

Encourage the development of new recycling infrastructure

Recycling depends on facilities to sort materials into marketable commodities and to process those commodities into new products. As actions in this plan help to increase the amount and types of material recycled, Metro Vancouver must continue to work with its members and the private sector to help ensure that collection and processing capacity keeps pace. Ongoing conversations will ensure the region can accommodate the growing volume of recyclables.

4.2.

- 4.2.1. Convene recycling industry and member jurisdictions to explore how to maintain and increase recycling infrastructure that services the region.
  - 4.2.1.1. Explore opportunities to reduce barriers for siting of private sector recycling activities.
- 4.2.2. Estimate organics processing capacity requirements and work collaboratively to improve existing collection and processing programs.

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4.2.3. Advocate for funding programs to help scale recycling infrastructure and innovation for challenging materials such as food for remanufacturing, anaerobic digestion feedstock, wood waste, and plastic-lined paper products.

STRATEGY 4.3

Improve participation in green bin programs and alternatives for residents and businesses

Since Metro Vancouver's organic disposal ban came into effect in 2015, residents and businesses have made significant progress in diverting food scraps and yard waste from disposal. However, compostable organics remain the largest component of the waste stream and not all residents and businesses participate in green bin programs. Metro Vancouver will aim to improve participation through the actions outlined under this strategy.

4.3.

4.3.1. Research technology options and support pilot programs to improve organics recycling in the commercial and institutional sectors.

4.3.2. Work collaboratively to increase participation and reduce contamination in organics programs focusing on sectors with the lowest participation rates and highest contamination rates.

4.3.3. Continue to provide tools and tips to residents to reduce green bin related concerns such as odours and cleanliness.

Metro Vancouver and member jurisdictions will collaborate to:

4.3.4. Promote and provide education on worm bins, home composting, proper use of green bins, and use of compost products.

STRATEGY 4.4

Make recycling easier by improving convenience

To make recycling easier for residents and businesses, options for recycling should be widely available. Homes, recycling depots, and public spaces are three areas where Metro Vancouver and its members can help provide better, more convenient access to recycling services.

4.4.

4.4.1. Work with businesses, recycling depot operators, and producer responsibility organizations to improve consistency of recycling collection.

4.4.2. Improve access to textile donation and recycling collection services

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Metro Vancouver and member jurisdictions will collaborate to:

4.4.3. Update, test, and share multi-family residential (including small scale multi-unit housing) waste and recycling container space and access technical specifications to support adequate space for expanded recycling

4.4.4. Advocate for, test, and share consistent approaches to improve public space waste reduction and recycling.

STRATEGY 4.5

Make recycling more effective by simplifying sorting

Recycling is most effective when the materials are placed in the correct receptacles since this reduces contamination and results in more efficient processing. Clear and consistent instructions, effective signage, and accessible information can help simplify recycling sorting to improve recycling outcomes.

4.5.

4.5.1. Explore the development of a signage standard and customizable signage creation tool in collaboration with producer responsibility organizations.

4.5.2. Explore the feasibility of digital tools that allow users to scan waste items and receive clear, multilingual instructions on options for reuse, repair, recycling, or disposal.

4.5.3. Centralize and improve awareness of recycling information and resources.

STRATEGY 4.6

Provide tailored recycling education for the residential, commercial and institutional sectors

Metro Vancouver has one of the highest recycling rates in North America thanks to the efforts of residents and businesses. However, survey data indicates that some recyclers – especially in multi-family buildings, commercial and institutional settings – are unsure about how to handle certain packaging and products. Metro Vancouver aims to improve recycling accuracy, consistency, and participation by providing tailored resources for different sectors and individual recyclers.

4.6.

4.6.1. Provide tailored education to businesses by:

- 4.6.1.1. Developing practical online resources for specific b siness types
- 4.6.1.2. Working on understanding recycling data and challenges in specific sectors including events, film, tourism, food service, and health care.
- 4.6.1.3. Hosting industry specific dialogues to better understand and co-solve recycling and waste prevention challenges.

4.6.2. Collaborate with producer responsibility organizations to support tailored education for multi-family.

4.6.3. Research and test technologies and share approaches to providing tailored public education on proper residential recyclables sorting.

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STRATEGY 4.7

Increase transparency of what happens to materials from recycling and green bin programs

Transparency about what happens to garbage and recycling is a guiding principle for this plan, since transparency helps build confidence that materials are actually recycled. Metro Vancouver will work to provide more information about where materials end up and make it easier for residents and businesses to access this information.

4.7.

4.7.1. Organize tours of recycling facilities so that residents can see what happens to their materials.

4.7.2. Show where recycling goes and how it's processed to provide more transparency about the recycling system.

4.7.3. Add information about what happens to recyclable materials in online recycling database/search tools.

STRATEGY 4.8

Enhance approaches to Metro Vancouver's disposal ban program

At Metro Vancouver's solid waste facilities, loads are inspected for materials banned from disposal such as recyclables. Surcharges apply if these banned materials are found. The disposal ban program helps encourage separation of recyclables by creating a financial disincentive for disposing of banned material. By strengthening this program Metro Vancouver can keep more recyclable material out of the garbage.

4.8.

4.8.1. Explore options to enhance disposal ban inspection efficacy such as innovative technology solutions.

4.8.2. Create incentives for waste and recycling collectors to work with their customers to adopt additional recycling services and reduce waste.

4.8.3. Review and expand materials included in Metro Vancouver's disposal ban program when viable markets exist.

4.8.4. Explore the potential to increase the number of disposal ban inspections at Metro Vancouver and City of Vancouver solid waste facilities.

Goal 5: Recover

Recover resources from materials not currently recycled

Not all materials are currently recycled into new products due to the nature of the source separation constraints, materials, technology, market, or capacity limitations. While Metro Vancouver will work on increasing reuse and recycling for these materials, there is an opportunity to recover some of their value in the meantime. This can be done by recovering materials that would otherwise be disposed or by recovering energy through the creation of fossil fuel alternatives.

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STRATEGY 5.1

Recover materials and energy from materials collected at regional facilities that are not currently recycled

Metro Vancouver and City of Vancouver facilities receive source-separated loads of clean wood, which are banned from disposal, as well as mixed loads containing a high proportion of engineered wood products which currently lack robust recycling markets within or near the region. While Metro Vancouver works to increase the capacity to recycle these materials, opportunities currently exist within the region for displacing fossil fuel use by utilizing energy recovered from these materials as an alternative. Opportunities also exist to recover bottom ash, a by-product of waste-to-energy disposal, to be used beneficially in cement production.

5.1.

5.1.1. Continue to collect clean dimensional lumber not currently reused or recycled due to insufficient processing capacity or technical constraints at existing facilities, to process into fuel to replace fossil fuels in district energy systems and other decentralized heating and agricultural/industrial systems.

5.1.2. Continue to pursue processing of small load waste to recover wood and other materials.

5.1.3. Continue to pursue the beneficial use of bottom ash from the Waste-to-Energy Facility in cement plants.

STRATEGY 5.2

Encourage recovery of materials and energy from construction and demolition materials that are not currently recycled

Licensed private facilities manage most of the construction and demolition material generated in the region. A significant portion of this material is wood or other products that are currently challenging to recycle. Through research and collaboration with the construction and demolition industry, Metro Vancouver aims to decrease the amount of material that would otherwise be disposed, by helping to develop markets for energy and material recovery where reuse or recycling is not currently viable.

5.2.

5.2.1. Share information on construction and demolition waste characteristics and quantities to support the potential to recover materials from construction and demolition waste that are currently reused or recycled.

5.2.2. Encourage recovery of recyclable materials and fuels from construction and demolition material currently not reused or recycled

5.2.3. Advocate for and explore the potential for piloting technologies to convert wood waste into energy and fuel while potentially reducing greenhouse gas emissions.

Goal 6: Dispose

Dispose only as a last resort

Despite the region's success in reducing and recycling waste, approximately one million tonnes of garbage requires disposal each year. The Vancouver Landfill and the Waste-to-Energy Facility e t e

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region as cost effective and environmentally responsible local disposal options for residential and commercial and institutional garbage, with remote landfill disposal available to dispose of any garbage that cannot be managed at the Waste-to-Energy Facility. Other materials such as construction and demolition waste, liquid waste system residuals, and soil are an important consideration as optimizing the management of these materials helps to preserve disposal capacity for garbage.

STRATEGY 6.1

Continue to use Vancouver Landfill and the Waste-to-Energy Facility as primary disposal systems

The cost of disposing garbage at the Vancouver Landfill and the Waste-to-Energy Facility is roughly half the cost of remote disposal options. Continuing to use these facilities benefits the region economically and also allows Metro Vancouver to continue to maximize associated environmental benefits, such as energy recovery and utilization, while closely monitoring environmental performance and providing education for the public.

6.1.

6.1.1. Vancouver Landfill

6.1.1.1. Continue to work with the City of Vancouver to maximize landfill gas utilization and greenhouse gas emission offsets at the Vancouver Landfill through projects such as renewable natural gas development.

6.1.1.2. Continue to work with the City of Vancouver to improve environmental performance at the Vancouver Landfill including minimizing discharge of clean surface water into the liquid waste system and maximizing landfill gas recovery.

6.1.1.3. Report annually on the remaining disposal capacity at the Vancouver Landfill and generate projections for the timing of eventual closure of the facility.

6.1.1.4. Work with the City of Vancouver and the City of Delta to maximize opportunities for early use of the Western 40 Hectares at the Vancouver Landfill, an area of the landfill that is no longer being filled.

6.1.1.5. Continue to work with the City of Vancouver to raise awareness about the role of the Vancouver Landfill and the importance of waste reduction and recycling over disposal through open houses, tours, and other public education

6.1.2. Waste-to-Energy

6.1.2.1. Maximize utilization of energy generated at the Waste-to-Energy Facility through projects such as district energy.

6.1.2.2. Co inu to f ther enhance environmental performance of the Waste-to-Energy Facility exploring options to further reduce emissions and increase environmental monitoring.

6.1.2.3. Continue to ensure environmental performance data compared to regulatory requirements for the Waste-to-Energy Facility is publicly available.

6.1.2.4. Continue to provide and expand opportunities for education and public awareness on the Waste-to-Energy Facility and associated infrastructure such as interactive

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displays and tours, and the importance of waste reduction and recycling over disposal.

6.1.3. *Optimized Use of Local Disposal Facilities*

6.1.3.1. Explore opportunities to reduce reliance on remote private contingency disposal facilities through optimized use of the Vancouver Landfill and the Waste-to-Energy Facility.

STRATEGY 6.2

Use suitable procurement processes for any contingency disposal requirements

Garbage received at recycling and waste centres that cannot be accommodated at the Waste-to-Energy Facility or Vancouver Landfill must be managed under contracts with remote disposal facilities. These contingency contracts are awarded through fair and transparent competitive procurement processes.

6.2.

6.2.1. Consider, among other factors, the following as part of the procurement process(es) for contingency disposal: cost, greenhouse gas and other emissions, regulatory compliance, environmental impact, availability, and reliability.

STRATEGY 6.3

Explore additional long-term disposal capacity if required

According to Metro Vancouver's current waste generation projections, there is sufficient capacity to manage most garbage through the Vancouver Landfill and Waste-to-Energy Facility, with some contingency disposal currently required. If new long-term disposal capacity is required in the future, Metro Vancouver will research, review, and evaluate options. In Canada, landfilling is expected to continue to be the most common approach to m aging re a waste or he foreseea l f t re. Mass burn waste-to-energy is the primary alternative to landfilling around the world with communities choosing between the two options based on local and national circumstances. Technical criteria have been developed to help guide decisions for selecting the most appropriate approach to managing residual waste, if new long-term capacity is required in the future.

6.3.

6.3.1. If additional long-term disposal capacity is required

6.3.1.1. consider the residuals management technical criteria outl n within the sol d waste management plan to explore options for securing the required capacity

6.3.1.2. Facilitate broad and inclusive regional engagement on options. Findings and recommendations will be reported publicly before any decision to proceed.

STRATEGY 6.4

Monitor disposal options for waste that requires specialized disposal

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Some types of waste require specialized disposal. Licensed private facilities exist in the region for managing and disposing construction and demolition material, which is considered a component of municipal solid waste. Other materials, such as asbestos, liquid waste system residuals, and international waste, must be managed according to specific regulations and procedures. Soil disposal at the Vancouver Landfill consumes space that would otherwise be used for disposal of garbage. By monitoring these materials, Metro Vancouver minimizes operational impacts to regional facilities and ensures effective management of these materials.

6.4.

6.4.1. Engage with industry representatives to monitor disposal capacity and options for construction and demolition materials generated.

6.4.2. Work with adjacent regional districts to better understand the flow of mixed construction and demolition material between regions.

6.4.3. Work with the City of Vancouver to ensure convenient and appropriate disposal at Metro Vancouver or City of Vancouver solid waste facilities for materials which require dedicated handling and/or disposal requirements such as asbestos, liquid waste system residuals, international waste, and materials generated outside of the region where appropriate.

6.4.4. Work with the City of Vancouver and health authorities to review disposal options for hospital garbage, the non-biomedical garbage generated from health care facilities.

6.4.5. Work with the City of Vancouver and the City of Delta to pursue opportunities for beneficial use of soil within the Vancouver Landfill property so as not to displace garbage disposal capacity.

STRATEGY 6.5

Complete closure activities at the former Coquitlam Landfill

Metro Vancouver owns the land previously used as the Coquitlam Landfill, which stopped receiving waste in 1983. A portion of the site is occupied by the United Boulevard Recycling and Waste Centre, a portion is leased to a private entity for operation of a golf course, and the remainder of the site, Lot 3, is currently being used for temporary uses such as house storage. Metro Vancouver is responsible for completing all closure and post-closure activities at the site under Ministry of Environment and Parks requirements.

6.5.

6.5.1. Undertake closure activities within Coquitlam Landfill Lot 3 to minimize leachate production and landfill gas migration and prepare the area for end-use.

6.5.2. Continue to use Lot 3 to support waste reduction initiatives until final closure.

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STRATEGY 6.6

Prevent litter and illegal dumping

Litter and illegal dumping impact the environment and wildlife and result in significant costs for member jurisdictions to collect and dispose of these materials. Efforts to prevent litter and illegal dumping are already underway, but Metro Vancouver can amplify these efforts through the actions listed under this strategy.

6.6.

6.6.1. Explore increasing the number of community drop-off events to provide options for large or difficult to manage materials and prioritize diversion over disposal.

6.6.2. Support community clean-up initiatives through reduced disposal fees.

6.6.3. Enhance litter and illegal dumping data.

6.6.4. Review approaches in other jurisdictions to reduce illegal dumping and consider implementation of initiatives proven effective elsewhere.

Metro Vancouver and member jurisdictions will collaborate to:

6.6.5. Develop, test, share and advocate for approaches to minimize litter from residential recycling containers.

PLAN IMPLEMENTATION

The strategies and actions of this plan will be implemented in alignment with the guiding principles, goals and targets. This plan is meant to be a living document, meaning that as new priorities emerge and the relative priority of each strategy and action changes in the coming decade, Metro Vancouver will assess the relevancy of each action prior to implementation to verify each action continues to respond to emerging issues and opportunities in solid waste management.

Regulatory Strategic Approach

Purpose

The solid waste management plan regulatory Strategic Approach ou li es y of reg l o y initiatives, such as bylaws, that Metro Vancouver may consider over the lifespan of the solid waste management plan, including how potential Metro Vancouver regulations are assessed, engaged on, and implemented. Recognizing that future changes to regulation require dedicated engagement beyond the scope of this solid waste management plan update, the regulatory strategic approach aims to clarify Metro Vancouver's outlook with respect to any future regulatory actions that advance solid waste management plan goals and targets.

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Overview

The Greater Vancouver Sewerage and Drainage District (GVS&DD) Board enacts bylaws to manage waste and protect public health and the environment. This authority is granted to the GVS&DD by the province under the *Environmental Management Act* S.B.C. 2003 c.53, and the *Greater Vancouver Sewerage and Drainage District Act* S.B.C. 1956 c.59, Section 7A and 7B.

The primary bylaws related to solid waste management in the Metro Vancouver region are the following:

(1) The *GVS&DD Tipping Fee and Solid Waste Disposal Regulation Bylaw No.379,2024,* as amended (Tipping Fee Bylaw), which sets garbage and recycling fees at Metro Vancouver solid waste facilities, identifies recyclable and hazardous materials banned from disposal, specifies surcharges, and establishes the requirements of the generator levy;
(2) The *GVS&DD Municipal Solid Waste and Recyclable Material Regulatory Bylaw No.181, 1996,* as amended (Bylaw 181), which specifies requirements for private solid waste facilities, including reporting, inspection, and enforcement provisions.
(3) The *GVS&DD Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw No.378, 2024,* as amended (Notice of Bylaw Violation Bylaw),which allows the issuance of penalties up to $500 per contravention of specified provisions of Bylaw 181 and the Tipping Fee Bylaw. It also establishes a process for dispute adjudication.

Existing Regulations

Table 3: Existing Regulations

Bylaw	Key Components
GVS&DD Tipping Fee and Solid Waste Disposal Regulation Bylaw No.379, 2024, as amended	• Fees and surcharges • Recyclable and hazardous materials banned from disposal • Generator levy • Hauler records
GVS&DD Municipal Solid Waste and Recyclable Material Regulatory Bylaw No.181, 1996, as amended	• Facility licensing • Powers of Solid Waste Manager and Officers • Fees
GVS&DD Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw No.278, 2024, as amended	• Bylaw violations and penalties • Dispute adjudication

Since approval of the Metro Vancouver's 2011 solid waste management plan, the generator levy has been implemented and new bylaw enforcement tools have been added. The generator levy was added to the Tipping Fee Bylaw in 2017 (effective January 2018). It encourages the use of Metro Vancouver and City of Vancouver solid waste facilities where disposal bans for recyclable materials are in place. This levy also ensures that all garbage generators contribute to funding the cost of the regional solid waste

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system – a system that provides reliable and resilient services that benefit and are available to all residents and businesses in the region. The generator levy is included in the garbage tipping fee charged at Metro Vancouver and City of Vancouver solid waste facilities; however, if garbage is delivered to other facilities, haulers must pay the per-tonne genera r lev dire tl t etro Vancouver [1]he generator levy is a key contributor to Metro Vancouver's continued success in advancing waste reduction and recycling.

Metro Vancouver's Regulatory Role

At its solid waste facilities, Metro Vancouver provides convenient garbage drop-off for residents and businesses, determines the final disposal destination of that material, and provides both free and paid recycling opportunities primarily for materials delivered in small hand-unloaded vehicles. Recycling sorting and processing facilities are managed by the private sector in accordance with requirements set out in Bylaw 181. [2]his system allows and encourages private sector innovation in recycling.

Metro Vancouver's regulatory authority does not currently include the ability to [3]nforce bylaws at the generator or property level. Generally, that [4]uthority resides with municipalities. Also outside of Metro Vancouver's regulatory authority are extended producer responsibility programs and regulations impacting the sale and distribution of specific products, eco fees or refundable deposit fees charged for some products, which may be implemented at the provincial or federal level. Metro Vancouver plans to advocate for continuous improvement of extended producer responsibility programs and regulations at the federal and provincial level that will help [5]ethink waste and transition to a circular economy, including design for recyclability, the right to repair, and waste prevention legislation.

Compliance and Enforcement

Metro Vancouver's Environmental Regulation & Enforcement group is responsible for enforcing the provisions of Bylaw 181, including reviewing licence applications and ensuring compliance with licence terms and conditions. Officers appointed under Bylaw 181 have authority to issue notices of bylaw violation under the *GVS&DD Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw No.378, 2024*, as amended, which includes penalties of up to $500 per contravention of specified provisions of the generator levy and Bylaw 181. Bylaw 181 also allows for penalties for each day an offence is committed under the Bylaw, as well as suspension or cancellation of a licence. All active solid waste licences are available on Metro Vancouver's website, as well as Notices of Bylaw Violation issued to corporate entities since March 13, 2024, that have been paid, upheld, or are no longer in a dispute process. The appointment of enforcement officers is reported publicly.

Reporting and Continuous Improvement

Metro Vancouver publicly reports annually on the top surcharges under the Tipping Fee Bylaw. In addition, Metro Vancouver publishes information from the [6]mart Waste Program to help understand the movement of waste around the region. This information is used to assess the effectiveness of the

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Strategic Approach

Regulatory Priorities

Metro Vancouver's regulatory priorities for the solid waste management plan align with the vision and guiding principles and can help to achieve the plan's strategies and actions. These priorities and their linkage to the guiding principles are listed below, in alphabetical order. Priorities are numbered for reference in the subsequent table but the numbering does not indicate relative importance.

Table 4: Regulatory Priorities

Regulatory Priority	Solid Waste Management Plan Guiding Principle
1. Improve data accuracy, transparency and availability	• Changes to reporting requirements in regulations can help improve **transparency about what happens to garbage and recycling**
2. Increase reuse and recycling	• Continuing to increase reuse and recycling demonstrates Metro Vancouver's commitment to **environmental stewardship and climate action**
3. Reduce barriers to participation	• Reducing barriers to participation helps in delivering **inclusive solid waste services and programs**
4. Support effectiveness of the facility licensing system	• The facility licensing system helps maintain **accountability from residents, businesses and governments to prevent waste**
5. Support effectiveness of the generator levy	• By ensuring all generators contribute to the fixed costs of the system, the generator levy supports **a solid waste and recycling system that is affordable, convenient, and consistent across the region**
	• Similarly, the generator levy enables Metro Vancouver to maintain **a solid waste system that is resilient to climate change and future challenges**
6. Support innovation, particularly for reuse and repair	• Embedding reuse and repair into regulations can spur **innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation**

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But, presumably, also incentizes all waste generators to reduce waste down the waste hierarchy.

Example Future Regulatory Enhancements

The following table provides examples of regulations that Metro Vancouver could consider implementing in support of the priorities above. Potential future regulations are organized by what sector they would apply to. Some of these regulatory undertakings would require an amendment to provincial legislation.

Sector	Example Regulation
Generator	Mandatory source separation
Hauler	Hauler Licensing including mandatory source separation and separate management of streams
	Reduced disposal ban surcharges for collectors that meet minimum requirements
	Additional disposal ban categories and increased surcharges
Licensed Private Facilities	Updated reuse and recycling minimums in licences
	Expanded types of facilities that require a licence
	Incentives for innovation within licenses
	Administrative improvements to licensing bylaw including updating definitions

Considerations

For any proposed regulations during the implementation of the solid waste management plan, at a minimum the following will be considered:

- What is the objective of the proposed regulation, and are there other options for achieving the same objective?
- Does GVS&DD currently have authority to implement the proposed regulation, and if not, what would be required to obtain that authority?
- What are the resource requirements for developing, administering, and enforcing the proposed regulation?
- Which sectors, businesses, or individuals would be subject to the proposed regulation and what is the estimated impact of the proposed regulation on helping the region meet the solid waste management plan goals and targets?
- What are the expected operational consequences to the solid waste system overall?
- What are the expected financial implications resulting from the proposed regulation, such as tipping fee changes or other costs borne by residents, businesses, Metro Vancouver or member jurisdictions?
- At which level of government would this regulation be most effective? Does this conflict with any existing regulation at another level of government?

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- If amending an existing regulation, how does this amendment impact those currently regulated?
- Are there any unintended consequences of implementing the proposed regulation?

Engagement

Any new regulatory measures will be accompanied by a transparent and meaningful engagement process. Engagement will follow Metro Vancouver's Public Engagement Board Policy and Public Engagement Guide. Metro Vancouver will also comply with any provincial requirements related to engagement.

Recycling and Waste Centre Strategic Approach

Purpose

The solid waste management plan recycling and waste centre strategic approach outlines Metro Vancouver's plans for continuous improvement of Metro Vancouver's network of recycling and waste centres. This approach sets key priorities and associated considerations in line with the vision and guiding principles of the solid waste management plan.

The focus of this strategy is to inform future upgrades, replacements and additions to the Metro Vancouver recycling and waste centre network. This network and the region rely on other public and private solid waste facilities that directly support the regional network, and in addition provide valuable services to public and private generators of municipal solid waste and recyclable materials.

Background

Metro Vancouver provides a range of recycling and waste drop-off services before and after the weigh scales at its recycling and waste centres, conveniently located to serve residents across the region. This regional network of recycling drop-off services supports and enhances the programs and services provided by other levels of government, member jurisdictions, producer responsibility programs, non-profits, and the private sector, all together forming one of the most successful and resilient recycling systems in North America. Approximately 88,000 tonnes of recyclable and reusable materials are collected at Metro Vancouver solid waste facilities including, for example, organics, mattresses, and extended producer responsibility materials such as packaging and paper.

Recycling depots located before the weigh scales at recycling and waste centres allow customers to drop off recyclable materials for free. Currently, recycling depots are in place at the North Shore, United Boulevard, Maple Ridge, and Central Surrey recycling and waste centres. The 2026 - 2030 Financial Plan identifies new recycling depots for the Langley and North Surrey recycling and waste centres. Recycling

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depots provide convenient, accessible, and free drop-off of a wide range of recyclable materials including metal, paper, plastic, glass, and other producer responsibility materials such as electronics, batteries, paint and pesticides.

As recycling and waste centre infrastructure ages and service needs evolve, Metro Vancouver seeks to identify system upgrades or new developments to increase reuse and recycling and ensure system resilience while accommodating the region's growing population.

Metro Vancouver owns six recycling and waste centres in the region, which provide convenient drop-off of recyclables and garbage for residents, member jurisdictions, and businesses, and incorporate opportunities for reuse:

- Central Surrey Recycling and Waste Centre
- Langley Recycling and Waste Centre,
- Maple Ridge Recycling and Waste Centre,
- North Shore Recycling and Waste Centre,
- North Surrey Recycling and Waste Centre, and
- United Boulevard Recycling and Waste Centre.

The facility locations are depicted below in Figure 7, which also includes the Metro Vancouver Waste-to-Energy Facility and City of Vancouver owned facilities (the Vancouver South Transfer Station including the Vancouver Zero Waste Centre, and the Vancouver Landfill):

Figure 7: Regional Solid Waste System



*Owned and operated by the City of Vancouver

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Metro Vancouver uses the term "recycling and waste centres" to reflect the priority to maximize recycling drop-off services. Improvements to the system since 2014 include:

- 2014: Establishment of a recycling depot ahead of the weigh scales at the historic Coquitlam Transfer Station
- 2017: Redevelopment and integration of the previous municipal recycling depot into the North Shore Recycling and Waste Centre
- 2021: Implementation of a recycling depot funding strategy to recognize the contribution of municipally operated depots to the regional system
- 2022: Opening of the United Boulevard Recycling and Waste Centre, including expanded opportunities for recycling before the scale
- 2022: Opening of the Central Surrey Recycling and Waste Centre, reducing overall system drive times;
- 2023: Initiation of design to upgrade the Langley and North Surrey Recycling and Waste Centres to add recycling depots ahead of the scales

Various recyclable and reusable materials have been added at recycling and waste centres of the years. Metro Vancouver will continue to add new materials at facilities, and ensure sufficient space is available at recycling and waste centres for this purpose.

Municipal Recycling Depots

Metro Vancouver provides funding to municipalities operating recycling depots, to recognize the contribution of municipal depots to the regional system. The funding is contingent on municipalities accepting a core suite of recyclable materials at the depots, and making the depots available to all residents in the region. Municipalities continue to independently manage and operate the depots.

Strategic Approach

Recycling and Waste Centre Priorities

Future continuous improvements and upgrades to facilities aim to improve consistency f services at all recycling and waste centres, maximize opportunities for reuse and recycling, minimize drive times for residents, increase accessibility, and optimize the layout of any new facilities or facility upgrades according to best practices. Cost effective and affordable operations are a key focus in delivering the service. The following table outlines priorities for continuous improvement of the recycling and waste centre network, presented in alphabetical order. Collectively, the considerations under each priority reflect the seven guiding principles of the plan and help ensure that the evolution of the recycling and waste centre system is consistent with the direction and values of the updated solid waste management plan.

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Table 5: Recycling and Waste Centre Priorities

Priority	Considerations

Best practices in facility design, construction, and operation	• Incorporate best practices in facility design that maximize reuse and recycling, and improve convenience and safety for users such as:
	  ○ Recycling before the scale at all facilities
	  ○ Flat tipping floors (instead of pits) for improved safety and flexibility
	  ○ Sufficient on-site queuing space to mitigate back-ups of traffic onto public streets
	  ○ Access considerations for cyclists and pedestrians
	  ○ Containers designed to improve accessibility and safety during access
	  ○ Flexibility to add additional materials and space to host temporary events or pilots
	  ○ Traffic flow design that reduces the probability of accidents
	  ○ Separating public and service/operating areas for improved safety.
	• Reduce greenhouse gas emissions through low or zero carbon equipment and fuel
	• Consider greenhouse gas emission implications potentially including embodied carbon when selecting construction materials and methods for the development and maintenance of facilities.
	• Incorporate sustainability features, such as reused or recycled construction materials such as concrete, asphalt, and wood for construction where possible
	• Consider resilience in facility design and construction, including use of robust, low maintenance building materials
	• Continue to align with regulations and published industry best practices such as the BC Building Code and Master Municipal Construction Documents
	• Design for worker and customer safety, accessibility, and inclusivity.
	• Consider incorporating new technologies to improve operational and customer efficiencies, and to maximize material diversion from disposal
	• Consider overall aesthetics of the design to improve user experience and reduce operational and environmental impacts such as noise, odour, and dust.

Consistent and maximized reuse and recycling opportunities	• Provide consistent services across locations • Continue to expand the types of materials accepted including planning for expanded extended producer responsibility programs • Maximize opportunities for reuse • Ensure clear and consistent communication of services available to increase participation, educate, and build confidence in the solid waste management system • Consider inclusivity in the development of each program

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	• Include flex space at facilities to expand or trial new opportunities for reuse and recycling
1 New facilities developed in areas with expected future growth	• Account for population growth patterns when assessing new facility locations • Incorporate population growth estimates into drive time analyses • Assess facility accessibility for cyclists and transit users as the region continues to develop and transportation methods continue to diversify
2 Reasonable and consistent drive times	• Site future facilities close to areas that experience relatively high drive times, accounting for population density (see Figure 8) • Aim to reduce overall greenhouse gas emissions through reduced drive times
3 Resilient and cost-effective service delivery	• Consider replacement or upgrades to aging and outdated facilities • Secure public land at market rates where possible • Design and operate facilities in such a way to minimize risk of disruptions due to extreme weather events,or other unexpected occurrences. • Continue to strive for best value solutions for operating facilities and providing convenient drop-off services that maximize service level and waste reduction potential • Ensure that extended producer responsibility programs' contributions are consistent with cost of managing materials

Drive Time Analysis

Metro Vancouver completed a study to evaluate the current regional solid waste system and analyze future system service and infrastructure needs and opportunities over the next 30 years. To evaluate the current recycling system, access to regional, municipal, and private depots were mapped to understand how the system meets service level standards.

The study reviewed tonnage and vehicle data to understand system capacities and developed a model to evaluate the impact to regional drive times, kilometres (kms) driven, and greenhouse gas emissions using a 2050 population and provide insight to potential future facility upgrades, replacements, or relocations to best achieve service level standards. An example of the model output in a heat map for small loads and baseline waste (current system) is shown in the below figure.

Drive time analysis will continue to be used in evaluating locations for future recycling and waste centre development.

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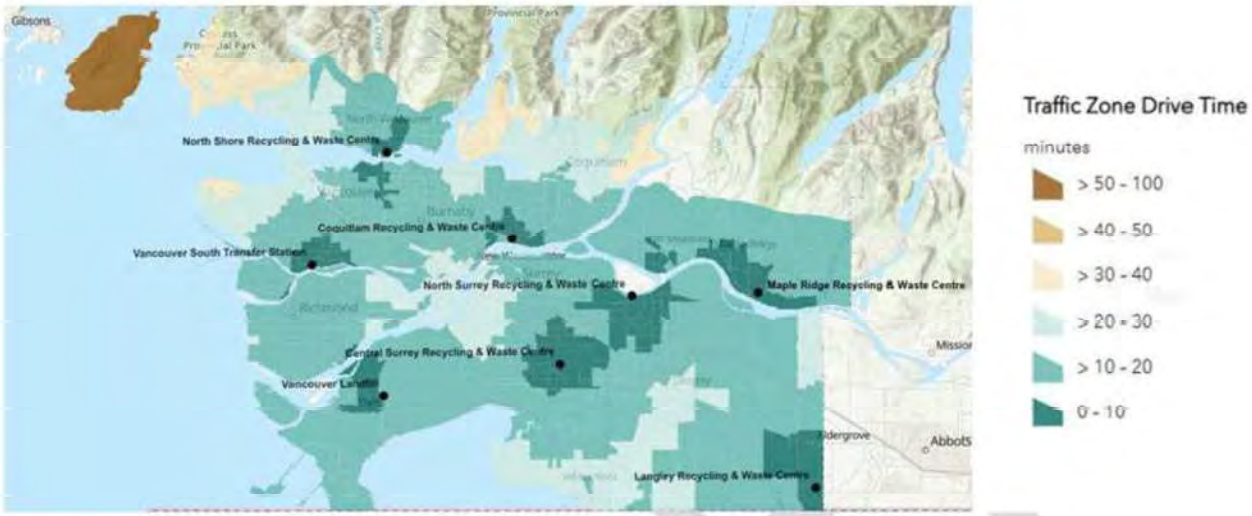
Figure 8: Comparative Drive Time Analysis



Residual Management Strategic Approach

Purpose

The solid waste management plan residual management strategic approach outlines Metro Vancouver's plans for continuing to manage residual solid waste (garbage) remaining after reduction and recycling, in a cost-effective and environmentally responsible manner. This approach describes the existing process for managing garbage in the region and sets out technical criteria for assessing future disposal capacity if required. As of 2025, Metro Vancouver has no plans to actively pursue additional capacity.

Background

Metro Vancouver manages the disposal of residential and commercial/ institutional garbage generated within the region. Despite the region's success in reducing waste, approximately 1,000,000 tonnes of garbage require disposal each year. Existing disposal methods as of 2025 are as follows:

- Vancouver Landfill
- Waste-to-Energy Facility
- Private contingency disposal landfills

Vancouver Landfill

The Vancouver Landfill is owned and operated by the City of Vancouver. The Landfill has been operating since 1966, and currently receives approximately 65% of the region's residential and

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commercial/institutional garbage. Under the Provincial Landfill Operational Certificate, the annual tonnage of garbage received at the Landfill is capped at 750,000 tonnes.

A 2026 agreement between Metro Vancouver, the City of Vancouver, and the City of Delta establishes the responsibilities of the three parties with respect to the Vancouver Landfill. Under the agreement, the Landfill will operate until as late as 2050.

The Landfill provides opportunities for drop-off of recyclable materials and beneficial use of materials such as construction and demolition material for road building. , Landfill gas collected from the Landfill is recovered as renewable natural gas, and leachate s c llect n d char to the regional liquid waste system for treatment.

Waste-to-Energy Facility

Metro Vancouver's Waste-to-Energ Fa ility has operated in Burnaby since 1988 and cu rently hand es about 240,000 tonnes of garbage per year — roughly a quarter of the region's garbage. It is a mass-burn facility that turns waste into electricity — approximately 180,000 MWh/year, (enough to power 16,000 homes) — and recovers about 5,000 tonnes of metal annually. Metro Vancouver sells the electricity to BC Hydro and the metals to a local recycler. Approximately 12,000 tonnes of fly ash and 45,000 tonnes of bottom ash are generated annually at the Waste-to-Energy Facility. Fly ash is disposed out-of-region and bottom ash is disposed at the Vancouver Landfill. Metro Vancouver is exploring options for beneficial use of bottom ash.

Metro Vancouver is developing a district energy system to supply heat and hot water resulting from the operation of the Waste-to-Energy Facility, for up to 50,000 homes in Vancouver and Burnaby. This project will reduce greenhouse gas emissions by up to 70,000 tonnes per year and aligns with Metro Vancouver's goals for a resilient region. The Waste-to-Energy Facility District Energy System project will triple the energy recovery of the Waste-to-Energ Fa il y by using some of the steam generat through the combustion of garbage to heat water and deliver it through an underground piping network to nearby neighbourhoods.

Contingency Disposal

Garbage in excess of what can be managed at the Waste-to-Energy Facility and the Vancouver Landfill is sent to remote contingency disposal. Contingency disposal contracts with remote landfills are awarded following procurement processes based on overall best value which consider cost, greenhouse gas and other emissions, regulatory compliance, general environmental impact, availability, and reliability. Metro Vancouver seeks to minimize the amount of garbage sent for contingency disposal, as it is approximately twice the cost of in-region disposal.

Construction & Demolition Waste

Construction and demolition material is generated at construction sites across t e r o s typically managed by private processing and disposal facilities. Residual construction and demolition material

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Number: 10 Author: admin Subject: Highlight Date: 2026-02-15 12:25:39 PM -08'00'

Number: 11 Author: admin Subject: Highlight Date: 2026-02-15 12:25:57 PM -08'00'

Number: 12 Author: admin Subject: Highlight Date: 2026-02-15 12:26:04 PM -08'00'

Number: 13 Author: admin Subject: Highlight Date: 2026-02-15 12:26:29 PM -08'00'

Number: 14 Author: admin Subject: Highlight Date: 2026-02-15 12:28:53 PM -08'00'

Present power for 16,000 homes, but will supply heat and hot water to 50,000 through new DES?

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More efficient use of the energy, but what are the outstanding air, water and soil toxicity issues that still need to be addressed by the WtE facility itself?

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that cannot feasibly be recycled is sent for disposal at a licensed private landfill within the region, or the Vancouver Landfill.

Strategic Approach

Future Disposal Capacity

In Canada, landfilling is expected to continue to be the most common approach to managing residual waste for the foreseeable future. Mass Burn Waste-to-Energy is the primary alternative to landfilling around the world with communities choosing either landfilling or mass burn waste-to-energy -to-energy technologies, other than the mass burn and two-stage waste-to-energy technology, such as gasification and pyrolysis, have not been successfully implemented at a commercial scale to process residual waste. Commercial-scale mixed waste processing has also not been implemented successfully, with studies showing that current source-separated recycling programs are more cost effective and more likely to help the region meet recycling targets.

Metro Vancouver commissioned a report titled *Residuals Waste Management Options Review*[6] which includes an overview of considerations of all potential residuals management options and technical criteria to consider for evaluating residual waste management options, should additional long-term disposal capacity be required. Table 6 summarizes these criteria.

Table 6: Technical Crit ria for Evaluation Residual Waste Managemen Optio

Criteria Category	Criteria for Evaluating Residual Waste Management Options
Economic	• Overall cost, including initial capital construction, operational, closure and post closure costs. • Opportunities and risks related to revenue generation through selling recovered materials or energy to markets. • Opportunities for efficient or reducing transport costs (e.g. backhauling) • Potential variability in waste volumes over time. • Opportunity cost in comparison to alternative investment options. • Financial risk from geopolitical or regulatory environment.

[6] Stantec. (2025). *Residual Waste Management Options Review*.

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Number: 1 Author: admin Subject: Highlight Date: 2026-02-15 12:36:03 PM -08'00'

Number: 2 Author: admin Subject: Comment on Text Date: 2026-02-15 12:37:04 PM -08'00'
Is that still true today? I understand that most of the previous WtE systems (particularly in Europe) have now be closed.

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So, is this the present Burnaby WtE facility operation?

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Environmental	• Potential to emit pollutant emissions/discharges to air, land and water. • GHG emissions - direct and indirect contributions and offsets (avoided GHGs). • General environmental factors such as dust, odour, litter, noise, vectors etc. • Risk and mitigation potential from climate change and natural disasters. • Geotechnical considerations (e.g. slope failure, flooding risk). • Groundwater, surface water and ambient air quality protection and monitoring systems.
Regulatory Compliance	• Meets or exceeds all current or anticipated environmental and waste management regulations. • Permitting and approval processes required for implementing the system.
Resource Use	• Land requirements for facilities and operations. • Energy generation and use potential and proximity. • Opportunities for co-locating complimentary operations, such as public reuse and recycling depot services, processing of specific materials streams.
Social	• Potential impact on public health and safety. • Public perception, cultural considerations and community acceptance of the system. • Job creation during construction and operation.
Technical Feasibility	• Maturity, reliability and degree to which the system has been proven on a commercial scale.

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Particularly the Burnaby WtE facility.

	• Compatibility with residual waste as the feedstock material and ability to adapt to changing waste streams. • Capacity and scalability to handle expected volumes of waste consistently and meet future needs. • Pre-processing requirements. • Percentage of the residual waste stream effectively processed by the system.

Education and Outreach

Metro Vancouver's behaviour change campaigns are valuable tools for encouraging waste prevention habits and are expected to continue as a core component of Metro Vancouver's approach. Many strategies in the plan have dedicated education and outreach components. Metro Vancouver will continue to:

- Share knowledge and collaborate with member jurisdictions to amplify the reach of education and outreach initiatives and support consistency
- Leverage expertise and lessons learned from others, including not-for-profits, institutions, and businesses
- Explore opportunities to increase the public's familiarity with the waste management system by practicing accessible engagement and meeting people where they are at like in-person interactions, such as public events, tours, and conversations with experts
- Continue to use research to develop communications strategies that align with the strategies and actions in the solid waste management plan
- Continue to assess the effectiveness of waste reduction and recycling messaging among target audiences
- Strive to make resource, education, and engagement materials as inclusive and accessible as possible, considering the barriers faced by underrepresented and equity-denied groups, and opportunities to provide material in a way that works best with them
- Continue to use varied communications and outreach tactics that keep pace with evolving technology and trends
- Work with academia on opportunities to test evidence-based approaches to influence waste reduction and recycling behaviours

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Accessibility and Inclusion

Guiding Principle

Inclusive solid waste services and programs is a guiding principle of the updated solid waste management plan. Metro Vancouver will consider accessibility and inclusivity in the implementation of all actions under this plan and will take into consideration the ideas provided when developing new programs, communications, and policies.

Commitment

Metro Vancouver's approach is guided by the Accessibility Plan (2023–2026), wh h emp es universal design, adaptability, and collaboration. These principles will be integrated into implementation of the plans strategies and actions to remove barriers and foster participation by people of all abilities.

The potential actions listed under each principle are illustrative examples intended to demonstrate possible approaches. Metro Vancouver will continue to explore and adapt programs and services based on community needs, feedback, and emerging best practices.

1. Accessible Infrastructure
    - Continue to provide clear visual indicators at Metro Vancouver recycling and waste facilities.
    - Ensure Metro Vancouver recycling and waste facilities are wheelchair accessible and meet universal design standards.
2. Inclusive Service and Program Delivery
    - Explore support options for individuals with mobility limitations.
    - Consider adding programs and services for underserved areas and residents facing barriers.
    - Identify and address gaps in accessibility across the region for reuse, recycling, and disposal service access.
3. Community Support and Engagement
    - Foster the development of volunteer networks to assist seniors, residents without a personal vehicle, and people with disabilities in recycling and waste reduction efforts.
    - Collaborate with community organizations to provide training and resources for inclusive waste practices.

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4. Education and Awareness
    - Provide signage and resources designed to help reduce complexity for residents with disabilities or other barriers to communication.
    - Offer training for staff on accessibility to aid in service and program development.
5. Continuous Improvement
    - Conduct regular assessments to identify barriers and opportunities for improvement.
    - Seek feedback from people with lived or professional experience in program and service design and evaluation.
    - Commit to ongoing adaptation in alignment with the Accessibility Plan.

Financial Overview

Overview

Metro Vancouver is committed to reflecting the public's high expectation of environmental stewardship while keeping waste management resilient, affordable, and accessible. [1] "A solid waste and recycling system that is affordable, convenient, and consistent across the region" is a guiding principle of the plan.

Metro Vancouver's solid waste management system is [2] funded primarily by garbage and paid recyclables tipping fees, with additional funding from energy sales from the Waste-to-Energy Facility, and other external revenues such as recyclables material sales, extended producer responsibility revenues and disposal ban surcharges. This total reven e funds the Metro Vancouver Solid Waste system, including contracted operations of the solid waste facilities, debt servicing for capital expenditures, waste reduction and recycling planning and programs, and the net cost of environmental regulation & enforcement. Most of the actions within the plan are initiated and managed by Metro Vancouver working collaboratively with member jurisdictions, operations contractors, non-governmental organizations, and the private sector.

[3] The majority of residential and commercial garbage flows to recycling and waste centres prior to transfer to disposal sites including the Vancouver Landfill and the Waste-to-Energy Facility. Any garbage that can't be managed at either the Vancouver Landfill or the Waste-to-Energy Facility is sent to remote private contingency disposal landfills in central British Columbia and the United States. After accounting for proportional recycling and waste centre and transportation expenditures, [4] the Vancouver Landfill and Waste-to-Energy Facility are comparable in cost per tonne. In contrast, contingency disposal is nearly double the cost, as shown in the table below.

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The Waste-to-Energy Facility and Vancouver Landfill are finite resources with each facility having maximum annual disposal capacity, and for the Vancouver Landfill overall long-term capacity. For near term future planning, the only practical alternative to the Waste-to-Energy Facility and the Vancouver Landfill would be contingency disposal at remote private landfills. Therefore, closing either facility would lead to significant disposal cost increases.

Table 7: 2024 Disposal Costs

	Vancouver Landfill	Waste-to-Energy Facility	Contingency Disposal
Total Costs / Tonne	$123.10	$122.90	$230.60

A new agreement between the City of Vancouver, the City of Delta, and GVS&DD was signed in 2026 and outlines the terms for continued operation of the Vancouver Landfill. Under this agreement, the landfill continue to operate until approximately 2050 without increasing the previously agreed height and area of the Landfill. Without the new agreement, the landfill was expected to close as early as 2030. Extending the life of the landfill results in more than $300 million in avoided future tipping fees for residents and businesses.

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Solid Waste Planning and Waste Reduction and Recycling Initiatives

The strategies and actions in this updated plan prioritize rethinking, reducing, and reusing materials to advance a circular economy and account for changes in the solid waste management system.

Gross expenditures by Metro Vancouver for waste reduction and recycling are approximately $25 million per year, roughly 14% of the solid waste services operating budget. Some of these expenditures are recovered through recycling drop-off fees, material revenues, and through contributions from Extended Producer Responsibility programs. This includes solid waste planning and engagement staff, research projects, and the delivery of waste prevention and recycling initiatives.

Metro Vancouver Five-Year Financial Plan

Metro Vancouver's solid waste budget is approved by the GVS&DD on an annual basis as part of the overall GVS&DD Budget. A five-year financial plan is endorsed by the Board at the same time as the budget is approved.

Actions in the solid waste plan requiring Metro Vancouver expenditures will be brought forward for consideration by the GVS&DD Board through the regular budget process prioritizing actions where business casing shows the highest potential to advance solid waste management plan primary and secondary metrics. Annual reporting on progress to achieve the targets of the solid waste management plan will assist in prioritizing funding and informing where investments are most appropriately allocated.

Metro Vancouver solid waste capital expenditures are approved by the GVS&DD Board on a similar basis to operating expenditures. Capital expenditures for the solid waste system are related to new facility development, facility upgrades, maintenance and replacement. Project specific business cases are prepared for any significant expenditures as part of the identification, planning and conceptualization for those projects.

On October 31, 2025 the GVS&DD Board approved the 2026 solid waste budget and endorsed the five-year solid waste capital plan. Key actions included in the 2026 operating budget include:

- Complete the solid waste management plan update. Submission of an updated plan to the BC Ministry of Environment and Parks, following Board approval.
- Continue to enhance customer service and monitoring including investigating continuous feedback mechanisms.
- Continue to expand reuse and repair opportunities in partnership with member jurisdictions.
- Leverage the National Zero Waste Council to advance the circular economy and waste reduction at a national level.

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Apparently such metrics have not been in place to-date?

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Key Capital plan initiatives included in the five-year financial plan include:

- Constructing recycling depots at North Surrey and Langley recycling and waste centres to provide consistent services at all recycling waste centres maximizing opportunities for waste reduction and recycling
- Biosolids processing at the Waste-to-Energy Facility
- Waste-to-Energ Facility District Energy system construction
- Acid gas reduction system construction
- Funding for land acquisition for future solid waste facilities.

The 2026 operating budget for the solid waste function is $170 million dollars. The five-year financial plan capital budget is $390 million. The Waste-to-Energy Facility Operational Certificate issued by the Ministry of Environment and Parks on September 23, 2025 may result in the acid gas reduction system requirements changing, which if occurs would be reflected in future capital budgets.

The weighted average tipping fee for 2026 is $156 per tonne with garbage tipping fees projected to increase at 5% per year over the five-year financial plan. Tipping fees in Metro Vancouver are less than public system tipping fees in comparable jurisdictions such as Toronto and Seattle. Both he budget and five-year financial plan are updated on an annual basis based on expected expenditures and revenues. Annual budget reviews will continue to explore opportunities to reduce expected future tipping fees through innovation and expenditure reduction.

The 2026-2035 solid waste operating and capital detail is included in Appendix 2.

Regional District Collaboration

Metro Vancouver is bordered by the Squamish-Lillooet Regional District to the north, the Fraser Valley Regional District to the east, and the Sunshine Coast Regional District to the northwest. Materials for recycling, recovery, and disposal regularly flow between Metro Vancouver and these adjacent regional districts, as well as to recycling and disposal facilities in the Thompson-Nicola Regional District and Regional District of Okanagan-Similkameen.

Collaboration with these regional districts helps to further shared priorities, including advancing a circular economy, advocating for expanded extended producer responsibility programs, and managing construction and demolition material. This plan was developed with input from adjacent regional districts, including discussions on opportunities for continued communication and coordination.

Not all priorities are shared between adjacent regional districts. During development of this plan, the Fraser Valley Regional District expressed concern about environmental impacts related to ongoing use of the Waste-to-Energy Facility. Waste-to-energy continues to be a cost effective and environmentally responsible method to manage residual garbage, and the facility's contributions of nitrogen dioxide, fine

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particulates, and anthropogenic (human caused) greenhouses gases are less than 1% of regional emissions. Metro Vancouver will continue to engage in open dialogue with Fraser Valley Regional District staff on opportunities to collaborate, and welcomes additional feedback from all regional districts during plan implementation.

Risk Analysis

The strategies within this plan were developed based on engagement feedback and selected based on their ability to help achieve the plan's goals. Each strategy focuses on a specific part of the goal, such as the type of material, the sector involved, or the method for making progress in each area.
If the full list of strategies and actions are not initiated, the plan may fall short of its goals and targets. This can also affect strategies in other parts of the waste hierarchy. For example, if construction and demolition waste is not reduced as outlined in Strategy 2.4, it will impact the reuse of building materials in Strategy 3.3.

Metro Vancouver will work to implement actions from multiple strategies at the same time under each goal. This approach will help ensure meaningful and measurable progress.

Plan Monitoring

Metro Vancouver will continue to report annually on solid waste management statistics including the targets and applicable secondary metrics outlined in the solid waste management plan. At the five year mark, Metro Vancouver will complete an effectiveness review detailing the status of each initiative in the plan. This will be shared publicly, and all feedback received will be submitted along with the results of the review to the Ministry of Environment and Parks.

In the event new regulations, facilities, or residuals management options are considered, Metro Vancouver will use the corresponding section of this plan to guide the process. The plan will be maintained as a living document, with schedules added as necessary. Any updated schedules will be highlighted in the submission to the ministry as part of the corresponding effectiveness review or submitted for approval as required.

"Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation" is a guiding principle of the plan, and many strategies and actions reference collaboration with First Nations, member jurisdictions, adjacent regional districts, residents, businesses and the solid waste and recycling industry. Continued collaboration is essential both for implementation and monitoring of the plan.

Plan progress will be reviewed with a Plan Monitoring Advisory Committee representing a variety of interests, experiences and expertise. The purpose of the Plan Monitoring Advisory Committee will be to provide feedback on:

- plan progress in conjunction with annual progress reports

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- planned implementation of strategies and actions
- advancement of measures contemplated in the regulatory, residuals, or recycling and waste centre strategic approaches.

Committee members will be recruited through an application process. Where possible, the Plan Monitoring Advisory Committee will include members of the Solid Waste Management Plan Public/Technical Advisory Committee. Applications will be reviewed by staff and membership recommendations will be made to the GVS&DD Board.

In addition to the Plan Monitoring Advisory Committee, Metro Vancouver will continue to participate in working groups and committees that operate at a provincial, national or international level to develop solutions on topics such as producer responsibility, products and materials, and the circular economy. Locally, Metro Vancouver will continue to report progress and evaluate opportunities for collaboration and share information through the following committees and/or new committees with overlapping responsibilities:

Table 8: Committees

Committee	Membership
Zero Waste Committee	Elected officials from Metro Vancouver member jurisdictions, as appointed by the Board Chair
Solid Waste and Recycling Industry Advisory Committee	Representatives from the solid waste and recycling industry including waste haulers and facility operators
Regional Engineers Advisory Committee Solid Waste Subcommittee	Solid waste management staff from member jurisdictions
Regional Waste Reduction Coordinators' Committee	Solid waste management operations and communication staff from member jurisdictions and adjacent regional districts and communities

Additional plan monitoring activities include the following:

- Exploring increasing transparency and access to data through a public dashboard of solid waste management plan performance indicators;
- Continued provision of data to the province to support updates to the BC Disposal Calculator;
- Meeting with Ministry of Environment and Parks staff routinely to discuss plan progress and other topics of shared interest; and
- Completion of regular waste composition studies to determine the types and quantities of material disposed to help monitor progress and inform implementation of programs.
- Reporting out on progress in implementing actions and strategies in the solid waste management plan

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SCHEDULE

All actions within the plan are important, however some strategies within the plan are best initiated early on to facilitate the implementation of others. For example, many of the advocacy initiatives described in the plan, if successful, will simplify implementation of related programs and policies within the region.

As part of reporting on progress in implementing the solid waste management plan, a list of actions currently underway will be included along with new actions expected to be implemented in the next reporting period. This approach will ensure that the scheduling of actions is dynamic based on both the goals and targets of the plan, as well as emerging issues and success in implementing actions currently underway.

GLOSSARY

Anaerobic Digestion is the biological process by which organic matter (e.g., Food Scraps), is broken down in the absence of oxygen, producing raw biogas and other byproducts. The raw biogas is commonly used to generate electricity through cogeneration or upgraded to natural gas.

Backyard Composting means the composting of Food Scraps or Yard Trimmings, or both, at a site where (a) the Food Scraps or Yard Trimmings are generated by the residents of a residential dwelling unit, and (b) the annual production of compost does not exceed 20 cubic metres.

Biosolids are treated solids recovered from wastewater. The solids have been treated by microorganisms and heat to eliminate pathogens and reduce odours. The final product is similar to soil and is rich in nutrients and organic matter.

Bottom Ash is a residual from the incineration of municipal solid waste, largely comprised of slag (stony waste separated from metals), ceramic, glass, ferrous and non-ferrous metals, and un-combusted organics.

Built Environment refers to all human-made physical structures, spaces, and associated infrastructures, including buildings, urban infrastructure, private and public spaces, and built assets, that provide settings for human habitation, work, mobility, and social life. This encompasses all life-cycle phases from planning and construction through use, maintenance, renovation, and deconstruction.

Buy-Nothing Group refers to an online group where residents can share and obtain items for free from other residents, rather than purchasing new items. The goal is to empower people to keep more items in use, while building strong communities and sustainable livelihoods for the makers, fixers, and others who transform old into new, over and over again.

Bulky Objects includes any household item that is too large to be disposed of via regular household garbage and recycling pick-up programs. Bulky household items include, for example, furniture, large

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Number: 1 Author: admin Subject: Highlight Date: 2026-02-15 1:19:25 PM -08'00'

appliances (e.g., dishwasher, refrigerator), domestic construction materials, exercise equipment, and mattresses.

Circularity refers to a waste management approach that keeps materials and products in use for as long as possible by prioritizing Waste Prevention, Reuse, Repair, refurbishment, remanufacturing, and recycling, while minimizing the extraction of new resources and reducing environmental impacts throughout the entire lifecycle of materials.

Circular Economy is an alternative to a traditional linear economy (make – use – dispose). The circular economy keeps resources in use for as long as possible, extracts the maximum value from them while in use, then recovers and regenerates products and materials at the end of their service life.

Climate Change is a change of climate which is attributed directly or indirectly to human activity that alters the composition of the global atmosphere, and which is in addition to natural climate variability observed over comparable time periods.

Commercial/Institutional means Municipal Solid Waste originating from commercial and institutional sources.

Compostable Plastic includes any type of plastic that is certified or labeled compostable regardless of its actual performance in organics processing systems.

Construction and Demolition Waste means Municipal Solid Waste that originates from demolition or construction sources that has not been handled, managed or mixed with Municipal Solid Waste from other sources.

Deconstruction is the systematic dismantling of buildings or other structures to maximize the recovery of reusable and recyclable materials, as opposed to traditional demolition which focuses on rapid removal and often results in different types of materials being mixed together.

Design for Disassembly is an approach to designing buildings, products, or systems so that their components can be easily taken apart at the end of their useful life, allowing materials and parts to be reused, refurbished, or recycled rather than ending up as waste.

Disposal Ban means the regulatory tool by which defined materials are banned from being disposed of in regional facilities. Surcharges are levied if banned materials are present in the loads, at levels beyond thresholds defined in the Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 379.

District Energy is a system where energy from a central generation facility is converted to energy, typically in the form of electricity, steam, or hot water, and distributed through underground piping to supply energy to a larger area.

Dispose/Disposal refers to landfilling and mass burn waste-to-energy.

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Number: 1	Author: admin	Subject: Highlight	Date: 2026-02-15 1:20:30 PM -08'00'
Number: 2	Author: admin	Subject: Highlight	Date: 2026-02-15 1:20:37 PM -08'00'

Waste hierarchy is a framework that ranks waste management practices by environmental impact, from most to least favourable.

Waste Prevention refers to actions that avoid waste from being created in the first place.

Mass Burn Waste-to-Energy refers to the combustion of residual waste using single mass burn process that typically includes energy recovery through the production of electricity or heat.

Worm Bins are containers used in vermicomposting in which worms live and are used to break down food scraps and other organic matter.

Yard Trimmings includes Municipal Solid Waste that comprises vegetative matter resulting from gardening, landscaping or land clearing

Zero Waste as both a philosophy and a goal, aims to reduce and ultimately eliminate Municipal Solid Waste.

DRAFT

Number: 1 Author: admin Subject: Highlight Date: 2026-02-15 1:28:16 PM -08'00'

-----Original Message-----
From: bsc_intl@mail.com [redacted]
Sent: Wednesday, February 18, 2026 11:30 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: info@zerowastebc.ca
Subject: Please reconsider the solid waste management plan 2026

WARNING: This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.

Hello,

Please reconsider the solid waste management plan. A Zero Waste approach means less garbage, less pollution, and a system that is healthier and more affordable for everyone.

1. Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour or more work on reduction.

2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan.

3. Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.

4. Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc.
Actions should include:
- Waste prevention such as cutting unnecessary packaging and preventing food waste.
- Reuse and Repair -making it easier so unusable items do not get thrown out.
- Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. - Multifamily, business, institutions, industry and construction locations need to have better programs and services.
- Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution
- Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.

5. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions.
6. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented.
7. Pledge to be transparent – report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.
8. Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.

Thank you
Bei C

From: Gonzalo Wong Koo [redacted]
Sent: Wednesday, February 18, 2026 12:48 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Draft Solid Waste Management Plan Comments

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Sue Maxwell,

Here are my comments for Metro Vancouver's Solid Waste Management Plan

- I think in the visions, goals, and scope section there needs to be a section that emphasis why zero waste is important in terms of the landfill running out space, and the economic implications if our waste needs to be send to other regions.

Thank you

Gonzalo

From: Jule Asterisk
Sent: Wednesday, February 18, 2026 11:50 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org> **Cc:** info@zerowastebc.ca; Sandra Willier
Subject: Feedback on the Metro Vancouver Solid Waste Management Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Metro Vancouver,

Thank you for the opportunity to provide comment on your Initial Draft Solid Waste Management Plan. We are writing to you all the way from Slave Lake, Alberta due to our experience with incinerators. While the Swan Hills Hazardous Waste Treatment Centre's incinerators work with hazardous wastes, we have deep experience with incinerator outcomes, and have researched waste incinerators around the world.

Incinerators always have 'allowable emissions', alongside 'unplanned releases' and 'fugitive emissions'. Taken in concert, these emissions regularly exceed the stated allowable emissions for incinerators, whether solid waste or hazardous waste incinerators. When it comes to solid waste, incinerators emit dangerous chemicals such as dioxins, mercury, cadmium, lead, NOx, and SOx, along with acid gases on an ongoing basis. Cumulative effects may occur in an urban environment, along with increased greenhouse gases. Incinerators are dangerous and dirty and have proven solutions such as zero waste goals, recycling, composting, and the Circular Economy.

As we move further and further towards true Extended Producer Responsibility, design for recyclability becomes more realistic as a solution to ever increasing solid waste. It's very important to utilize the Zero Waste hierarchy and definitions in your solid waste plan. Producers and manufacturers use this, and so should planners.

In your deliberations, please consider setting ambitious targets as your neighbours in Nanaimo have done, for example. We are borrowing this planet and time from our children, grandchildren, and future generations, and must keep their needs in mind. Waste reduction is possible! Recycling is growing, and our single use plastic ban in Canada has been upheld. Looking to the future means keeping all of these things top of mind when planning in the present day.

Enhancing recycling and composting programs keep our resources in circulation. The Circular Economy is an achievable goal when municipalities work together with producers and manufacturers to support these crucial programs. In your Solid Waste Management Plan, please include timelines and budgets for the upscaling of recycling and composting to make sure that the important resources contained in solid waste (plastics, paper products, glass, metals, organic materials) become embedded in the Circular Economy and not lost to landfill or incineration. Please also include regular reporting so that the citizens of Metro Vancouver can see the incredible progress that is being realized through your commitment to the Circular Economy.

Incineration of resources does not count towards 'energy recovery' when there are deadly toxic chemicals emitted while burning solid waste that will impact your region throughout time. We need global Source Reduction of dangerous chemicals: in terms of their production, utilization, and in their waste management as well.

As Chief Seattle said: "What we do to the web of life, we do to ourselves". We are glad to see that you are reevaluating the incineration of valuable resources, which should be kept in circulation for the benefit of our children, grandchildren, and future generations. The future is not disposable.

in friendship,

Jule Asterisk,
Project Manager,
The Society of High Prairie Regional Environmental Action Committee

From: Zach Segal <zsegal@boma.bc.ca>
Sent: Friday, February 20, 2026 11:13 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: BOMA BC - Metro Vancouver Solid Waste Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi there,

Please see BOMA BC's feedback regarding Metro Vancouver's Solid Waste Management Plan.

Thanks so much,

Zach Segal

Zach Segal

Director of Government Relations

BOMA BC

Building Owners & Managers Association of BC

February 20th, 2026

Paul Henderson, General Manager
Solid Waste Services, Metro Vancouver
BOMA BC Response to Metro Vancouver - Draft Solid Waste Management Plan (2026)

Dear Paul:

BOMA BC supports Metro Vancouver's objectives to reduce landfill disposal, increase recycling, and improve organics diversion across the region.

The commercial real estate industry advances waste diversion through recycling and organics programs, tenant engagement, and performance benchmarking embedded in BOMA BEST standards.

BOMA BEST-certified buildings incorporate waste auditing, diversion tracking, and continuous improvement practices, demonstrating our industry's leadership, and the proactive and voluntary approach to addressing this issue. For example, 36% of BOMA BEST office buildings obtain capture rates of 80-100%. Capture rates, assessed via waste audit, provide an accurate way of measuring the efficacy of a building's waste diversion program by calculating successful diversion from landfills.

However, several elements of the draft Plan have operational implications for commercial properties:

- Increased focus on commercial organics participation and performance
- Expanded data collection, tracking, and reporting expectations
- Potential tightening of disposal enforcement through haulers and facilities

While the Plan does not directly regulate individual buildings, implementation through municipal bylaws, disposal enforcement, and hauler practices would effectively transmit new requirements to property owners. This may require new infrastructure, reconfiguration of waste rooms or loading areas, additional administrative oversight, and higher hauling costs associated with contamination or rejected loads.

Added operational costs are ultimately borne by small businesses and commercial tenants. In precarious economic times, it is critical that we use education, awareness, and industry programs such as BOMA BEST to improve waste practices, rather than added costs or burdens. BOMA BC encourages Metro Vancouver to ensure any implementation remains phased and flexible, with recognition of the physical and operational constraints of existing buildings.

Education and awareness particularly focused on tenant behaviour and contamination reduction will be critical to achieving sustained improvements in diversion rates. Experience across BOMA BEST-certified properties demonstrates that engagement and practical tools are the most effective.

We welcome collaboration to ensure regional waste reduction goals are achieved to support environmental objectives while maintaining economic competitiveness for commercial real estate.

Sincerely,

Damian Stathonikos
President
Building Owners and Managers Association of BC

From: Killen, Shanna <skillen@coquitlam.ca>
Sent: Friday, February 20, 2026 3:28 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: City of Coquitlam Feedback on Metro Vancouver Solid Waste Management Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello,

Thank you for providing City of Coquitlam the opportunity to give feedback on Metro Vancouver's Solid Waste Management Plan. Our overarching comments on the plan can be found in the attached document.

If you have any questions or issues accessing the document, please let me know.

Many thanks,
Shanna

Shanna Killen *MPP, She/Her*
Sustainability Programs Specialist
City of Coquitlam | Engineering & Public Works | Environment
3000 Guildford Way | Coquitlam, BC | V3B 7N2
C: 604.375.8171 | **E:** skillen@coquitlam.ca

We acknowledge with gratitude and respect that the name Coquitlam was derived from the həńqəmińəm̓ (HUN-kuh-MEE-num) word kʷikʷəƛ̓əm (kwee-KWET-lum) meaning "Red Fish Up the River". The City is honoured to be located on the kʷikʷəƛ̓əm traditional and ancestral lands, including those parts that were historically shared with the q̓ic̓əy̓ (kat-zee), and other Coast Salish Peoples.

Metro Van Draft Solid Waste Plan – City of Coquitlam Feedback

Date: February 20, 2026

Overarching Comments on MV Solid Waste Management Strategy

- The plan clearly elevates waste prevention and "Rethink" to the top of the hierarchy, which aligns well with Coquitlam's interest in reducing waste at the source rather than managing it downstream.

- The per-capita waste generation reduction target (20% by 2050) provides a clear regional signal that prevention—not just diversion—is a core objective.

- **Municipal implementation pathways could be made clearer.** While the plan outlines regional advocacy and collaboration, it is less explicit about how member jurisdictions like Coquitlam can translate these ambitions into local regulatory or programmatic actions (e.g., zoning, development approvals, procurement).

- Construction and demolition (C&D) waste prevention is a strategy Coquitlam wants to put more emphasis and build more public awareness around
    - Market readiness and municipal capacity vary, and the plan assumes a level of reuse and deconstruction infrastructure that is not evenly distributed across the region.
    - There is limited discussion of how municipalities can assess their existing building stock to identify reuse and deconstruction opportunities in a systematic way.

- The relationship between disposal access, affordability, and illegal dumping could be more explicit—particularly for bulky items, renovation waste, and materials not covered by EPR programs.
- The plan does not strongly differentiate between urban growth pressures and disposal needs in rapidly densifying municipalities.

High Level Feedback by Section

Primary Performance Metrics and Targets

- The regional targets for reducing per capita waste generation, increasing recycling and diversion, and reducing disposal are supported.
- As implementation progresses, additional clarity on how municipal actions contribute to regional targets would support alignment and accountability at the local level.

Secondary Performance Metrics and Targets

- The proposed secondary performance metrics will be valuable in providing greater context/detail when assessing progress toward the region's goals.
- Question around availability and reliability of data required to support these metrics?
- Will the data sources, methodologies, and tracking approaches used to develop and report on secondary metrics be shared with member municipalities to support consistency, transparency, and local application?

Circular Economy

- The Plan provides a strong and comprehensive framework for advancing a circular economy, particularly in the built environment and food systems.

- More specifics of how member municipalities can leverage regional circular economy initiatives, pilots, and advocacy to advance local implementation would strengthen this section.

Waste Prevention and Advocacy

- Opportunities exist to more clearly connect regional advocacy efforts with municipal policy tools, such as land use planning, development approvals, and procurement practices, to support waste prevention outcomes locally.

Strategies and Actions – Built Environment (Construction and Demolition)

- Additional emphasis on building retention, relocation, and adaptive reuse as waste prevention strategies would strengthen alignment with circular economy objectives.
- The City encourages further regional support for municipal building stock assessments to identify opportunities for deconstruction, relocation, and material reuse.
- Clearer regional guidance and support for developing and scaling reuse and salvage markets would help ensure equitable access across municipalities.

Strategies and Actions – Food Systems

- Additional clarity on how municipalities can support food recovery and redistribution infrastructure, including through facilities, partnerships, and land use considerations, would strengthen local implementation.
- Continued emphasis on commercial, institutional, and City-led facilities and events as priority sectors is encouraged.

Reuse, Recycling, and Material Recovery

- The City supports continued efforts to improve consistency, accessibility, and market development for reuse and recycling programs across the region.
- Further clarity on municipal roles in piloting and scaling reuse initiatives would assist implementation.

Disposal and Residual Management

- The Plan appropriately positions disposal as a last resort while recognizing the need for reliable and cost-effective waste management.
- Stronger acknowledgment of the relationship between accessible disposal options and the prevention of illegal dumping and littering, particularly for bulky items and renovation waste, would strengthen this section.
- Consideration of the impacts of rapid growth and densification on disposal access at the municipal level is encouraged.

City Facilities, Operations, and Events

- The City supports the Plan's direction for governments to lead by example through waste reduction, reuse, and diversion at City facilities and City-led or City-hosted events.
- Additional regional guidance and tools to help municipalities standardize practices, measure outcomes, and share best practices would support consistent implementation.

From: Lance Lilley <llilley@fvrd.ca>
Sent: February 20, 2026 10:35 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Comments on Metro Vancouver's draft SWMP
Attachments: FVRD Comments on MV draft SWMP Jan 22 2026.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

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Good morning, Metro Vancouver.

We appreciate the opportunity to provide feedback on the initial draft SWMP. Comments are attached.

Thank you!

Lance Lilley
Manager of Environmental Services
Fraser Valley Regional District

P 604-702-5006
1-45950 Cheam Ave, Chilliwack, B.C. V2P 1N6
fvrd.ca | haveyoursay.fvrd.ca

Fraser Valley Regional District

Fraser Valley Regional District

www.fvrd.ca | info@fvrd.ca

February 19, 2026

Metro Vancouver
Metrotower III, 4515 Central Boulevard
Burnaby, B.C. V5H 0C6
zerowaste@metrovancouver.org

RE: Metro Vancouver's DRAFT Solid Waste Management Plan

Dear Metro Vancouver:

The Fraser Valley Regional District (FVRD) appreciates the opportunity to provide feedback on Metro Vancouver's initial draft Solid Waste Management Plan (SWMP), dated January 22, 2026. We have reviewed this draft SWMP and are submitting the following comments.

1. Phasing Out the Incinerator
    - Given the sensitivity of the shared Lower Fraser Valley Airshed, we are very disappointed that the SWMP does not include a long-term plan to eventually phase out the operations of their current incinerator. This is particularly disappointing given the age of the facility, which by 2050 will be more than double the usual operational lifespan for garbage incinerators built in the 1980s and 1990s.
    - While the draft SWMP does mention the FVRD's concerns for air quality, these concerns are largely dismissed by claiming the emissions from the garbage incinerator represent only a small percentage of regional totals. The SWMP fails to acknowledge that any reduction in cumulative and chronic exposure to air pollution is beneficial and fails to recognize the specific concerns from the Fraser Valley where pollutants accumulate, concentrate, and persist. The FVRD continues to be one of the fastest growing regions in the Province, expecting an almost 50% increase in population by 2050. This growth will place additional pressures on the airshed and will result in a larger number of residents being exposed to pollution from the unnecessary burning of municipal solid waste. A healthy airshed is important for this growing population, and phasing out the incinerator will assist in this regard.
    - The FVRD remains opposed to any incineration or thermal processing of municipal solid waste within the airshed. We strongly encourage Metro Vancouver to phase out the use of their current incinerator and to commit to no new incinerator or incineration capacity within the airshed.
    - If incineration of municipal solid waste continues, ongoing public health studies need to be conducted that look at cumulative and chronic exposure, epidemiological data, and biomonitoring to determine accumulation in soil, biota, and food. To enhance the credibility and transparency of this monitoring, it should be led by an independent third-party or health authority, as opposed to a consultant reporting directly to Metro Vancouver, and results be publicly accessible.

45950 Cheam Avenue | Chilliwack | V2P 1N6 Phone: 604-702-5000 | Toll Free: 1-800-528-0061 | Fax: 604-792-9684

2. Emission Control Upgrades Needed

   - While we remain concerned with all air pollutants from the incinerator that have the potential to travel to the Fraser Valley, sulfur dioxide (SO2) emissions are of particular concern. SO2 is associated with its own significant health impacts, but one of the most harmful functions of SO2 is that it reacts with moisture in the atmosphere to form sulfate aerosols, which contributes to the levels of fine particulate matter (PM2.5) within the airshed. Metro Vancouver staff have asserted that direct PM2.5 emissions from the facility remain below their emission limits, but this fails to account for the formation of this secondary PM2.5 that is created as a result of precursor pollutants such as SO2 from the incinerator. The FVRD has experienced over 85 air quality advisories for PM2.5 since 2015 and reductions are needed throughout the airshed.

   - Metro Vancouver's Operational Certificate includes a discharge limit for SO2 of 50 mg/m3. Other comparable facilities have even lower discharge limits (e.g., 35 mg/m3 for the Durham York Energy Centre in Ontario). In recognition that Metro Vancouver needed to install critical emission control upgrades to meet the new limit however, the Province provided an "interim" discharge limit of 200 mg/m3. This interim discharge limit first expired in 2022, was then extended until 2025, and most recently, extended again until 2028. Despite it being a decade since the Operational Certificate was issued, the emission upgrades have still not been provided and SO2 emissions from the facility remain elevated, often in excess of 70 mg/m3 – well above the original discharge limit of 50 mg/m3.

   - We are pleased to see that $100M has been identified in the SWMP's five-year financial plan for "Acid Gas Reduction" at the incinerator. These upgrades would reduce the emissions of harmful pollutants such as SO2. We are disappointed however that Metro Vancouver continues to be non-committal to these important upgrades stating that they may not be required and implying they would only be added if mandated by the Province. The FVRD does not support continued use of the incinerator, but if Metro Vancouver insists on operating this facility, they need to at least commit to provide the upgrades already promised that will reduce SO2 emissions. The upgrades should be provided as soon as possible, regardless of being legally required or not.

3. No Additional Incineration Capacity

   - While the draft SWMP states "Metro Vancouver has no plans to actively pursue additional capacity", it does not preclude this as an option. In fact, the SWMP goes on to include a list of technical criteria for evaluating future disposal options "if" additional capacity, through either landfilling or incineration, is required in the future. We are greatly disappointed that Metro Vancouver has not provided a firm commitment to not pursue new incineration within the planning horizon of the SWMP. We are also disappointed that the technical criteria does not include siting considerations that would exclude any new garbage incineration within a sensitive location such as the Lower Fraser Valley airshed. We suggest that the technical criteria be amended to include this provision. The FVRD remains strongly opposed to any additional and current disposal capacity through incineration or thermal processing within our shared airshed.

- Greater transparency is required to alleviate the FVRD's concerns about Metro Vancouver's future disposal intentions. The draft SWMP recognizes the Vancouver Landfill is expected to be closed in 2050 but also maintains that the Vancouver Landfill and the incinerator are the region's two primary disposal options through the duration of the SWMP. It seems clear that a new landfill will be needed at the conclusion of the SWMP, unless Metro Vancouver has other undisclosed disposal intentions. Given the 10–15-year planning horizon generally needed for a new landfill, we would have expected this discussion to have been included within the timeframe of this SWMP, along with the necessary stakeholder and public input and debate. Since it is not discussed, the FVRD remains concerned that new incineration may be pursued as a default in the future.

4. Diversion Efforts and Clarification
    - The draft SWMP maintains the use of incineration or landfilling "only as a last resort" after all efforts to reuse or recycle have been exhausted. We fully recognize the challenges in plastic recycling due to contamination, composite materials, and limited recycling infrastructure, and understand that as a result, significant amounts of plastics are incinerated even though the material may have the potential to be recycled. Greater clarity is encouraged in the SWMP to describe Metro Vancouver's intentions to divert more plastic from disposal so it does not require disposal. The FVRD remains concerned that the ongoing use of the garbage incinerator acts as a disincentive that prevents investments in diversion because high energy material such as plastic continues to be needed to fuel the incinerator.
    - Greater transparency in the SWMP is also suggested for how material is defined as diverted. The SWMP defines disposal as anything sent to "landfill or mass burn waste-to-energy" and diversion as everything else, including "material used to create alternatives to fossil fuels". As the incinerator is being used as part of a district energy system, which could be interpreted as an alternative to fossil fuel, clarification of this is required.
    - Any municipal solid waste, including construction and demolition waste or recyclable material such as vehicle tires, sent for thermal processing, whether through incineration, pyrolysis, gasification, or just being burned at a cement kiln, should not be considered diversion. Confirmation of this should be provided within the SWMP.

5. Impacts to the Fraser Valley
    - The draft SWMP does not clearly outline how proposed actions by Metro Vancouver may impact adjacent regional districts. As a result, we remain unable to submit specific comments on potential or proposed impacts on our region. Any proposed changes in policies, bylaws, or programs that may affect the FVRD, our member municipalities, or our businesses, should be disclosed to allow for informed comments back on these matters. Additional changes in the SWMP that adds new requirements, costs, or revenue losses for private businesses in the Fraser Valley involved in the solid waste industry should be made transparent and have meaningful consultation conducted.

6. Illegal Dumping

    - Rural and agricultural lands within the FVRD have become significant targets for illegal dumping. While Strategy 6.6 in the draft SWMP recognizes that "litter and illegal dumping impact the environment and wildlife and result in significant costs for member jurisdictions to collect and dispose of these materials", the plan does not appear to examine whether rising disposal costs or other actions proposed may increase illegal dumping outside the regional district. Further analysis of the potential impacts of these policies on adjacent jurisdictions, including mitigative efforts that will be taken to reduce impacts, is needed. If illegal dumping out of region is partially due to a lack of processing capacity for construction waste or organics within Metro Vancouver, we expect the SWMP to outline policies that will increase this processing capacity.

7. Greater Reuse of Wood Waste

    - Metro Vancouver's initial draft SWMP proposes to process "clean dimensional lumber not currently reused or recycled due to insufficient processing capacity or technical constraints" into biofuel. Turning biomass into biofuels via thermal processes such as gasification or pyrolysis produces harmful pollution such as particulate matter and nitrogen oxides. The sensitive Lower Fraser Valley airshed already has elevated levels of these pollutants and additional pollution needs to be avoided, whether from the initial conversion process or the subsequent combustion process. Reuse of salvageable materials should be preferred over energy recovery. If material is not being reused or recycled due to insufficient processing capacity, what policies are being proposed by Metro Vancouver to enhance processing capacity?

    - Greater reuse or recycling of construction and demolition waste throughout the Lower Mainland is needed and represents an area of opportunity for potential inter-regional collaboration. Development of a thermal processing system that would convert waste into biofuel would not only jeopardize investments that would allow for greater reuse or recycling of this material, it would result in additional air pollution and would eliminate potential opportunities for FVRD collaboration.

Thank you for the opportunity to provide comments. We look forward to reviewing a revised Solid Waste Management Plan that addresses these comments and anticipate continued engagement on Metro Vancouver's Solid Waste Management Plan.

Sincerely,

Lance Lilley
Manager of Environmental Services

From: Linda Gasser [redacted]
Sent: Friday, February 20, 2026 6:42 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Metro Vancouver SWMP comments

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

February 20, 2026.

To Whom It May Concern:

Re: My Comments on Metro Vancouver's Solid Waste Management Plan

1. Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for "recovery" in favour of more work on reduction.
2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, ***not burning*** of material). Targets should be set for five years (2032) and ten years (2037) and not only in

the future beyond the time frame of the plan. Evaluate results and report publicly.

3. Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Living in Durham Region, Ontario, where Canada's "newest" incinerator-the Durham York Energy Centre (DYEC) has operated since 2016, there have been exceedances including for dioxins and furans. *We know* that comprehensive monitoring/testing is not done frequently enough at the DYEC, nor at Burnaby. At the very least, continuous monitoring should be expanded to include all parameters/pollutants where the technology exists, with continuous sampling for dioxins and furans, so that MV and the community know the levels of pollution imposed on the community. Over $400 million of capital costs have been forecast in Metro Vancouver budgets.
4. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste as it requires contracted supply. At the DYEC, GHGs far exceed the estimates in the environmental assessment and Durham staff acknowledge in their 2025 Annual Climate report, GHGs will increase as more plastics/non biogenic are burned. See Page 9, Sec. 3.2 b) Report 2025 INFO 63 at: https://pub-durhamregion.escribemeetings.com/filestream.ashx?DocumentId=7535 *"Increase in DYEC-related GHGs due in part to a greater share of nonbiogenic waste materials compared to prior year (e.g. plastics and nonrecyclable products that are not biodegradable"*;
5. Firmly commit to not building or using any new incineration or thermal treatment facilities.
6. Invest in zero waste solutions instead such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include:

    - Reuse and Repair -making it easier so unusable items do not get thrown out.
    - Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    - Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution

- Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
- Lead by example: MV facilities and operations should adopt/employ zero waste principles where feasible and commit to continuous improvement.
- Waste prevention and avoidance, such as cutting unnecessary packaging and preventing food waste.

7. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions.
8. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented.
9. Pledge to be transparent – report waste performance clearly and frequently so the public can see what is working. Do not call burning of waste recycling or recovery or diversion as burning waste creates pollution and ash and should be treated as disposal.
10. Spend scarce public money wisely and invest in the community's future-choose solutions that reduce/avoid waste without locking the region into expensive disposal systems. You owe it to your residents to do better now and should move to kill off your expensive and polluting incinerator.

Linda Gasser
[redacted]

From: Lucas Harris <lharris@recyclebc.ca>
Sent: Friday, February 20, 2026 10:50 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Recycle BC Comments on Metro Van's Solid Waste Management Plan Initial Draft

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello,

Attached, please find comments from Recycle BC on Metro Vancouver's Solid Waste Management Plan Initial Draft.

Thank you,

LUCAS HARRIS
Director, Program Development
Recycle BC and SK Recycles
M 250-516-6974
RecycleBC.ca
SKRecycles.ca

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged and confidential. If you have received this message in error, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited and are requested to immediately notify Recycle BC at info@recyclebc.ca or SK Recycles at info@skrecycles.ca. The information supplied by electronic media is provided for convenience only.

February 20, 2026

Metro Vancouver
Metrotower III, 4515 Central Boulevard,
Burnaby, BC
V5H 0C6

Re: Feedback on the Solid Waste Management Plan Initial Draft

Metro Vancouver Solid Waste team,

Thank you for the opportunity to provide feedback on Metro Vancouver's Initial Draft Solid Waste Management Plan.

Recycle BC appreciates the strong alignment between the draft Plan's vision and our shared objectives of increasing recycling, advancing circular economy principles, and improving environmental outcomes across the region. We support the emphasis on waste prevention, collaboration, and performance measurement, and we value our ongoing partnership with Metro Vancouver and its member municipalities.

We offer the following comments to clarify roles and highlight existing initiatives that support the Plan's objectives.

Waste Prevention and Packaging Reduction

The draft Plan appropriately emphasizes waste prevention alongside recycling and diversion. Recycle BC supports upstream efforts to design packaging that is compatible with recycling systems and contributes to waste reduction goals.

Producers participating in Recycle BC are engaged nationally in advancing harmonized recycling program design with a consistent reporting material list across provincial jurisdictions. In addition, Recycle BC is actively participating in collaboration with other packaging and paper producer responsibility organizations to develop national ecodesign and recyclability guidelines for producers to support greater recyclability of packaging and paper products. These initiatives are focused on improving packaging design and recyclability and ensuring that materials placed on the market are compatible with recycling infrastructure.

Packaging design and reduction outcomes are primarily driven by producers operating within national and global markets. While Recycle BC works with producers to improve recyclability and material compatibility, the extended producer responsibility (EPR) levers available to Recycle BC can only directly impact packaging in the BC marketplace, which represents only a portion of the overall national supply.

405-221 West Esplanade
North Vancouver, BC V7M 3J3
778-588-9504

EPR Scope and Expansion (Section 3.2.1)

We recognize Metro Vancouver's advocacy for the expansion of EPR programs to additional products and sectors. Expansion of EPR in principle supports diversion objectives. However, under the current Recycling Regulation and Recycle BC's approved Program Plan, the residential packaging and paper product (PPP) program is designed to serve households. It does not include collection from industrial, commercial, or institutional (ICI) sources. Any changes to product scope or generator eligibility would require provincial regulatory direction and appropriate consultation to ensure operational feasibility, equity, and system sustainability. The Recycle BC program is funded by producers to manage residential PPP; expanding to ICI sources without corresponding regulatory amendments and funding mechanisms would compromise the integrity and fairness of the program design.

Material Expansion – Soft Plastics and Foam (Section 3.2.2)

Recycle BC continues to implement the collection of additional materials through a phased and evidence-based approach. With respect to flexible plastics, our curbside and multi-family collection agreements with collection partners in the region currently allow for the introduction of flexible plastics collection from homes; for curbside and multi-family direct service communities, we are actively working toward flexible plastics implementation in the coming years. Implementation timing reflects operational readiness and feasibility and contamination management considerations.

Since 2024, flexible plastics collection from homes has been introduced in the direct service areas of West Vancouver, Maple Ridge and most recently, City of Vancouver apartments and condominiums. Flexible plastics collection will also soon be introduced in Chilliwack, demonstrating how flexible plastics can be implemented in a municipally led system under the current program framework.

Regarding foam packaging, producer fees for foam are currently the highest of any material category within the program. These fee signals act as a market-based incentive for producers to reduce or transition away from materials that are more challenging and costly to manage at end of life.

Financial Incentives and Municipal Participation (Section 3.2.6.2)

Recycle BC operates under an approved Program Plan as required by the Recycling Regulation. This Plan includes a structured approach, including a regular cost study, to providing collection incentives to local government and depot partners that reflects service delivery requirements and cost accountability.

We provide collection partners with an adequate and transparent incentive structure designed to ensure effective service delivery while maintaining fairness and financial sustainability across

the province. Any changes to incentive structures must be considered within the context of the approved Program Plan and provincial oversight.

Expansion to Small Businesses (Section 3.2.6.3)

Recycle BC's PPP program is designed to serve residential generators, as defined in the Recycling Regulation. We have established an efficient and accessible network of depots and collection services that meets regulatory requirements for residential access throughout Metro Vancouver and the province, which is funded by producers of residentially supplied PPP.

Expansion of residential-only packaging drop-off services to small businesses would extend beyond the current regulatory framework and would require provincial direction and careful assessment of operational and equity implications. The Recycle BC program is funded by producers to manage residential packaging and paper; permitting ICI materials to enter the system without corresponding regulatory authority and funding mechanisms would undermine cost accountability and the integrity of the program design.

Operational Collaboration and Service Consistency (Section 4.4.1)

Recycle BC supports efforts to improve clarity and consistency in recycling services. In Metro Vancouver, we provide comprehensive residential service coverage through a combination of private and local government collection partnerships and a robust network of depots. We provide curbside service in 20 communities and multi-family service in 15 communities and operate 42 depots across the region. This network delivers high levels of access and service reliability across the region. We remain open to continued collaboration where it supports improved public understanding and system performance within existing program parameters.

Signage and Public Education (Section 4.5.1 and 4.6.3)

Recycle BC agrees that clear and consistent signage and education are critical to improving recycling outcomes. We maintain standardized and customizable communication materials, signage resources, and a well-developed public education program that supports contamination reduction and proper sorting. We welcome collaboration with Metro Vancouver to align messaging and signage standards where appropriate, building on existing tools and resources and avoiding duplication.

Multi-Family and Equity-Focused Initiatives

All local governments and First Nations operating curbside collection programs under the Recycle BC Program are eligible to operate a multi-family collection program in the same service area through a partnership between the local government or First Nation and Recycle BC. Private companies are eligible to operate multi-family collection programs as a collection contractor to Recycle BC in service areas identified by Recycle BC, including in areas where

Recycle BC is actively recruiting new multi-family collectors. This program supports improved recycling access in multi-unit residential buildings and contributes to equitable service delivery across communities. We remain committed to working with partners to ensure residents in all residential multi-family housing types have access to effective recycling services.

Recycle BC values the opportunity to continue collaborating with Metro Vancouver in advancing shared waste reduction and recycling objectives. We look forward to ongoing dialogue as the Solid Waste Management Plan progresses and remain committed to supporting strong environmental outcomes within the framework of the Recycling Regulation and our approved program plan.

Sincerely,

Sam Baker
Executive Director
Recycle BC

From: [redacted]
Sent: Friday, February 20, 2026 5:28 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Feedback on Metro Vancouver Solid Waste Management Plan

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Hi,

I am a Director of Zero Waste BC. Having reviewed the plan, please find my comments and feedback below:

Policy Input: Moving Beyond Waste Management to Waste Prevention
Metro Vancouver's Solid Waste Management Plan remains largely focused on managing materials after they are generated. To meaningfully reduce waste — particularly plastic packaging — policy must shift upstream toward production, design, and consumption.

Recycling alone will not address rising packaging volumes. Globally, only an estimated 9% of plastic is recycled. Even if recycling rates improved dramatically, continued growth in plastic production would offset those gains. Waste reduction requires structural policy changes that alter economic incentives, material design, and system infrastructure.

The region has spent decades refining recycling and disposal systems. While diversion rates have improved, overall material throughput — especially disposable packaging — continues to rise. Reuse systems have declined, system costs have increased, and infrastructure has become more complex. Incremental adjustments will not deliver Zero Waste outcomes.

A structural shift is required: from managing waste to reducing material production and dependency on disposables.

1. Establish Mandatory Reuse and Packaging Reduction Targets

Voluntary measures have not reduced packaging growth. Clear, binding targets are necessary to drive investment and behavioural change.

The region should:

- Set phased targets for reusable packaging in priority sectors (food service, grocery, beverage).
- Require reusable service ware for dine-in and large public events.
- Establish packaging intensity reduction targets (e.g., weight per unit sold).
- Advocate provincially and federally for binding packaging reduction legislation.

Targets drive infrastructure investment. Without targets, reuse will not scale.

2. Strengthen Extended Producer Responsibility (EPR)
Current EPR programs largely fund recycling rather than prevention. They must be redesigned to incentivize waste reduction at the design stage.

Metro Vancouver should advocate for reforms that:

- Impose higher fees on non-reusable and non-recyclable packaging.
- Provide financial incentives for reusable and refill systems.
- Penalize multi-layer and composite plastics.
- Require minimum recycled content.
- Expand EPR to textiles, mattresses, and additional packaging sectors.

Packaging design should become more expensive when it generates waste.

3. Invest in Reuse as Core Infrastructure
Reuse must become foundational infrastructure, not a peripheral initiative.

The region should prioritize:

- Centralized washing and redistribution hubs for reusable containers.
- Standardized reusable packaging pools.
- Building-material reuse centres.
- Repair infrastructure and workforce training.
- Dedicated reuse space at all recycling and waste centres.

Reuse must be more convenient and cost-effective than disposable systems.

4. Implement Disposal as a Declining Backstop
Disposal infrastructure must not anchor the system.

The Burnaby Waste-to-Energy facility should be treated as a temporary, declining backstop — not a long-term waste strategy.

If it continues operating:

- Cap throughput and reduce annually in line with upstream waste reduction.
- Classify WtE clearly as disposal with energy recovery.
- Apply best-available emissions controls with real-time public reporting.
- Publish a comprehensive ash and toxics management plan.
- Commit to no new incineration capacity.

Disposal infrastructure must shrink as reduction and reuse expand.

5. Incorporate Consumption-Based Emissions Accounting
Material production accounts for the majority of lifecycle emissions. Waste policy must align with climate policy.

The Plan should include:

- Consumption-based emissions tracking.
- Material carbon footprint reporting.
- Reduction strategies for high-impact materials (construction materials, plastics, textiles, food waste).

Without measuring material footprint, policy will underestimate climate impact.

6. Strengthen Enforcement and Source Separation
Policy credibility depends on enforcement.

To support reduction and reuse:

- Expand mandatory source separation.
- Enhance disposal ban enforcement and inspections.
- Implement clean-bag policies where appropriate.
- Increase commercial packaging audits.

Rules without enforcement will not drive change.

Guiding Principle: Zero Waste Must Not Become a Tax Grab or Administrative Burden
Waste policy must change systems — not generate revenue or create unnecessary complexity.

Public trust depends on fairness, simplicity, and transparency.

Revenue Neutral Where Possible

- New fees should be transparent and tied directly to waste reduction infrastructure.
- Revenue must be reinvested in reuse, repair, and reduction systems.
- Public reporting should clearly show how funds are used.

The goal is behaviour change — not revenue generation.

Protect Small Businesses
Small businesses should not carry disproportionate financial or administrative burdens.

Policy should:

- Phase requirements in gradually.
- Provide standardized tools and templates.
- Offer shared infrastructure (e.g., pooled reusable systems).
- Exempt micro-enterprises where appropriate.
- Focus compliance costs upstream on producers and large packaging generators.

Responsibility should sit primarily with manufacturers, importers, and brand owners — not independent retailers.

Keep It Simple and Executable
Complicated systems reduce compliance and increase resistance.

Policies must be:

- Clear and standardized across the region.
- Easy to understand and enforce.
- Based on measurable, verifiable metrics.
- Designed to minimize paperwork for small operators.

If a system requires complex reporting from thousands of small businesses, it is poorly designed.

Avoid Cost Shifting to Consumers
Waste reduction policy should not disproportionately increase household costs.

Design principles should include:

- Incentives for durable and reusable systems.
- Bulk and refill options that lower long-term costs.
- Fee structures that target excessive packaging at the production level.

- Gradual implementation to prevent price shocks.

Zero Waste should reduce long-term costs by lowering material throughput — not increase daily living expenses.

Focus Regulation Upstream
The most effective and least burdensome approach is to regulate:
- Producers
- Importers
- Large distributors
- Packaging designers

Not individual consumers.

Consumers can only choose from what the market offers.

The Risk of Incrementalism
Small adjustments — additional pilots, marginal fee increases, minor program refinements — create the appearance of progress without materially reducing waste generation.

This approach:
- Delays difficult decisions.
- Protects legacy infrastructure.
- Maintains high system costs.
- Places growing pressure on residents and small businesses.
- Fails to address production growth.

A Zero Waste strategy requires decisive policy direction and structural redesign.

The Opportunity
Metro Vancouver has the institutional capacity, technical expertise, and public support to move beyond incrementalism.

By prioritizing upstream reduction, scaling reuse infrastructure, strengthening producer accountability, and setting clear interim targets, the region can transition from managing waste to preventing it.

The choice is not between action and inaction — it is between systemic redesign and continued plateau.

A true Zero Waste strategy must prioritize reduction and reuse first, with disposal as a shrinking backstop.

Please feel free to reach out if you have any questions or comments.

Regards,

Munu

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: Friday, February 20, 2026 8:38 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Submission of petition as feedback on SWMP

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello,
Please find the petition attached to be included in the feedback on the draft SWMP.

Sincerely,
Sue Maxwell

Sue Maxwell
Chair, Zero Waste BC
smaxwell@zerowastebc.ca
604-734-4046
www.zerowastebc.ca

Zero Waste BC is a non-profit society that has been championing Zero Waste since 2008 with a mission to drive systemic change towards Zero Waste in BC.

I humbly acknowledge that the land on which I live, work and play is in the unceded territories of the Skwxwú7mesh (Squamish Nation) and Lil'wat7úl (Lil'wat Nation).

ZERO waste
BRITISH COLUMBIA

February 20, 2026

We, the undersigned 385 individuals and organizations, call on Metro Vancouver to phase out the incinerator by 2028 to protect public health, the environment and keep costs reasonable.

Jillian	A Bordin	V1N 3M1
Adedolapo	Abe	V3C 0E8
Sheila	Adams	V5K 3M8
Roland	Alcock	V9Z 0G1
Tracey	Ali	L1C 4X7
Florence	Ali	V5A 4B8
Saad Bin	Ali Reza	V5H3C5
Eva	Allan	V6R 1Y5
Doug	Anderson	L1N 5B1
Kristen	Andrews	V3L 2N9
Llana	Arreza	Vancouver
Virginia	Ayers	V3: 1T3
Ayse	B	V5R 6G7
Irina	B	V6K1L3
Barb	B	V7R 1R5
Jia	Bains	Port Moody
Mohamed	Bargoni	V5A 4H5
Cynthia	Barnes	Powell River
Savannah	Barratt	V8W0G2
Florencio	Bautista	V3N4X6
Mairy	Beam	V5N 1L7
Tigan	Becker	V3N4X6
Warren	Bell	V1E 4S2
Barbara	Berger	V9M2B8
Louis	Bertrand	L0B 1B0
Heather	Bessey	T5n 3v1
Njomez	Bisimi	V5A 3V3
Agnes	Black	V3L 1L2
Mieke	Boecker	V5B 3C9
Alex	Bone	V5A 3V3
jon	bordo	K9H 2Y3
mike	borie	L1X1P2
T	Borle	V5A 4B8
Mikayla	Boule	V5A 0G9
Nadia	Bouzaidi	V3N4P5
Lindsey	Braacx	V3M 4W4
Philip	Bradshaw	V7G2H7
David	Brekke	V5A 4B8
sharon	brickman	K0K3K0
Tyee	Bridge	V3L0J7
Satya	Brown	V5s 4w1
Kaia	Bryce	V7G 1K3
Jordan	Bultitude	V6G0E1

Susan	Burgess	V6N 2X8
Susan	Burns	V6S1J1
Karen	Cain	V0R 1X7
Dorothy	Caldwell	K0L1Y0
Andrea	Callingham	V5A 4B8
Pam	Callus	L1E 2L6
Nicholas	Campanella	Burnaby
Andrea	Careless	Vancouver
Jordyn	Carss	V6a0h2
Elinor Diane	Cartwright	K0L 1L0
Cindy	Cashin	V7A 3S9
Rashmi	Chadha	V6L 2K1
Tessy	Chalissery	V5J 3B1
Shuyang	Chen	Hamilton Richmond
Bei	Chin	V6M 1A5
Stephen	Chitty	Surrey
Andrew	Chobaniuk	V3M0L4
Glen	Chu	V5k2h4
Laurel	Circle	V9L 6G6
Gail	Cockburn	L1N 4N1
Carol	Cohen	V6K 2R3
Wendy	Colling	V5A 3V6
Alexis	Cooper	Vancouver, Canada
ROSEMARY	CORNELL	V5V1L7
Monique	Costa	V5A 4B8
Douglas	Courtemanche	V6S2J9
Margaret	Coutts	V6H 1M1
Natalie	Crews	v7l1v4
Gweneth	Crook	V7L 1V2
Karen	Crosby	V3M2E6
Jennifer	Cruz	V5G 2E3
Dan	Cuglietta	V5A 3V4
Guy	Dauncey	V9G 1E9
Laurie	Dawson	V5A 4B8
Joy	de Castro	V6B 8P6
Elaine	Decker	V5P 4X2
Jane	Devonshire	V9B1K3
Carolina	Diss dos Santos	V4M1K5
Sharon	Dodd	V7C 2C2
Anne	Doddridge	V1X 7Z2
Emma	Dolhai	V6h2t3
Sonia	Domarchuk-White	V5T 1T8
Tyler	Dugray	V5J5A5
Katherine	DuGray	V6P2X3
Elizabeth	Dunn	V5L 1B9
Deborrah	Dunne	V6K 1R6
Terry	Dyck	V1T 6R7

Donna	Dykeman	V6A 2C2
Janet	Eliseef	V3N4X6
Susan	Ellard	V1W 1M9
Arlene	Elliott	V5C 1P5
Hilary	Emberton	V0R 1N1
Susan	Eyre	Sirdar
Sarah	Fallavollita	V9A7P9
Sandra	Fellner	V5L 1Y1
Brian	Ferguson	V5A 4B8
Patrick	Fergusson	V5L 2W6
Maria	Fernandez	V3R6A1
Jackie	Fink	V5A 3V3
Phil	Finlayson	V5A 4B8
Aliyah	Fisher	Mount pleasant
beverly	ford	V4A 3S1
Rhiannon	Fox	V5M1E7
Susan	Fraser	V5A 3V5
Dan	Fritschen	94087
Betty	Furey	V3M 6J6
Jim	Furey	V3M 6J6
Morgan	Game	V7E 2V6
Chan	Gary	V5a3r6
Linda	Gasser	L1N 2X7
Tyler	Gee	V3J7L2
steve	genge	V5E 3B7
Dr. Ron	Gibson	V6M 1H7
Nicole	Gladish	V5A 3V6
Jay	Gladish	V5A 3V6
Brenda	Glyn-Zares	V5A 3V5
Maryam	Goharshadi	V7J 0E5
Lori	Goldman	V2A 3S3
Mary	Gradnitzer	V9A3N2
Matthew	Graves	M4L 2M3
Wanita	Grenier	Vancouver
Anne	Grube	Chase
Melanie	Gue	V5A 4B8
Travis	Hackett	V3B 4A8
Cora	Hallsworth	v8z5L2
David	Ham	Lasqueti Is.
Peter	Harco	V3X 3E7
E.	Hart	V8A2E4
Roslyn	Hart	Burnaby
Grace	Harvey	V5A 3V3
Edel	Hass	Surrey
Nick	Hastie	V6G2N6
Dianne	Hathaway	V3M 7A8
Alice	Heale	Vancouver

Matthieu	Heitz	V5T4B5
Jennifer	Henry	V4R 0G8
Devin	Hentschel	V3M0P2
Tony	Herunter	V7N 4B1
Carly	Hilbert	V6T 1Z4
John	Hill	V5T 0A2
Leslie	Hill	V5W4C1
Tiffany	Hilman	V5T 4G5
Cassie	Hinada	V5e4k5
Rob	Hollins	V3R4X8
Bill	Hopwood	V5L 2P9
chunti	huang	v3n4x7
Ada	Huang	Hamilton Richmond
Carla	Hunt	V8M2C8
Carla	Hunt	Saanichton
Oana	Hyatt	V6R2M7
Danilo	Ilic	V6B 8P5
kevan	indlekofer	v3n4x7
Roz	Isaac	V9B5P2
Anthony	Ittary	V5A 4B8
Ingrid	Jackson	V7G 2M6
Rob	Janousek	V5N 1J8
JoAnne	Jarvis	V9A 4P7
Nayeli	Jimenez	V6H 1J1
vern	jones	V2G3G7
Laura	Jones	V3M 3C6
Denise	Jones-Chu	V5K2H4
Ashley	Jordison	V3b0k7
Gabe	Jurado	V5A 4B8
Jamie	Kaminski	V3C 2S4
Lawrence	Kangula	Masindi - Uganda
Maggy	Kaplan	Vancouver
Michelle	Kaye	Port Moody
Andrew	Keirey	V5A 3V3
Leslie	Kemp	V5L 2P9
Renee	Kerluke	V5A 4B8
Helen	Kettle	V4K 2Y7
Onassis	Khayou	V5A 4B8
Maria	Kidney	V3L 1K1
Jane	Kilthei	V0R 1N1
Sarah	King	V5L 3W4
Aragorn	Klockars	V9R 7A1
Marlen	Kolbe	V6K 2M1
John	Kramer	V6p3b1
you chieh	kuo	v3n4x7
Xue	L.	V3N5E6
Allen	Lacroix	V3M 4Z8

Jill	Lacroix	V3M 4Z8
Sayan	Ladhani	V6K 1G2
Catherine	Lam	Richmond
Elizabeth	Laman	V5A 4B8
Helena	Lang	V7R 1C9
nick	lau	v3n4x7
Joming	Lau	V5V 4G8
Ruth	Lazarte	V3N4X6
Eyal	Lebel	V5Y 2A9
elizabeth	lee	a0k4s0
Joanne	Lee	V5A 3R6
Ingrid	Lee	V5A3R6
Emily	Lee	V3H4T9
Amy	Lee	V5B 1H7
Clint	Lee	V5B 1H7
JJ	Lee	V3H 4T9
Victoria	Lee	V5A 3R6
Diane	Lee	V5a3r7
Wrong	Lee	V3s 9g8
Byung	Lee	V3h 5k3
Mona	Lee	V3B0G3
Krystie	Lee	V5C 0E9
Steve	Lee	V3H 5K3
Arina	Lee Nuttall	V2X 0G5
Martha	Lescher	Cowichan Valley
Trevor	Leyenhorst	V3M 4W4
Belinda	Li	V5N1J8
Sam	Li	V3M 0C5
Susan	Li	V3M 0C5
Julia	Lissau	v1t 9e6
Kate	Lodge	V0N 1G2
Carson	Loveless	A0A 1E0
Bryan	Luu	V7C2L3
Johnny	Ma	V3N4X6
Katherine	Maas	V8V 2M9
James	Mackay	V6r1t5
Ryan	Mackie	V8Z5L2
Carol	MacKinnon	Vancouver
Debbie	Maloway	Cloverdale
Yvonne	Marcus	V6N2N9
Ian	Marcuse	V5N 1G9
Berte	Mart	V8Z 2H2
Brenda	Martens	V5W1A1
Sue	Maxwell	V8E 0G5
Alison	Mayer	V5A 4B8
Barbara	Mayfield	Cobble Hill
Joel	McCarthy	V5A 3V6

Emily	McGill	V7P3B1
Leslie	McGregor	N5V 4R4
Elspeth	McGregor	V8X 3L8
Margaret	McGregor	V5S3Y7
ian	McIntyre	v3n4x7
Kim	McKay	V5A 4B8
Wendy	mcLean	V0K 2J0
Desmond	Mcmahon	V5c2y1
Kate	McMahon	Burnaby
Michael	McNaught	V6N3C5
Janet	McNeill	M4E1H7
Nikki	Mertens	V4r0e4
Sean	Miles	V5L2B5
Jennie	Milligan	Vancouver
LYN	Mogren	V6G1M4
Paul	Moniz de Su	V5A 3V5
Linda	Moore	V7M 2L9
Daniel	Morasse	V3M 3H1
Mars	Moreira	V6J2H8
Catarina	Moreno	Vancouver
Sandy	Morgan	V3L 5V8
ZOE MADELEINE	MORIN	V7W 1M3
Paolo	Muir	V6H1J1
mazvita	munopo	Burnaby
Sayemin	Naheen	V5M1N9
Cecilio	Narra	Burnaby
Patricia	Negron	V4A 9V9
Christiane	Newcombe	V5C1J8
Robyn	Newton	V7L 3Y7
Daniel	Newton	V5T0G5
Leslie	Ngo	V2Y 3A2
Justin	Noble	V7P 2X4
Annika	Noringseth	Surrey
D	Nowak	V5K 1M4
TJ	Nyhan	North Vancouver
J	Paddon	V7R2P4
James	Pangilinan	V5W 1T9
Janet	Parkins	V1B 2X9
Benjamin	Patton	V7J2Z2
David	Pedersen	V8M 1W6
Karl	Perrin	V5A4Y1
Mary	Peters	V9R1E3
Robert	Petrusa	V3M3B2
Jo	Phillips	V9Z 0K5
Mari	Piggott	Vancouver
Beatriz	Pimentel	V5T 4J5

Mimi	Pollard	V1L 3L3
Glen	Porter	V5A 4B8
Katya	Potapova	V5V 3R1
Sheila	Pratt	V4R2R3
Katrina	Prescott	V6G2H9
amira	prichard	port moody
Steve	Puffer	V5A 3V5
Lily	Quan	Nanaimo
Amy	Quinn	K0K2G0
Libby	Racansky	L1E 2M1
John	Radebold	96143
Amanda	Rajala	V3J7J8
Srujan	Reddy	V3N4X6
Kate	Reekie	Ottawa
Anwen	Rees	V5L 3E8
Nichol	Reichardt	V7M1E1
Jose	Reyeros	V6g1x
Karin	Roberts	V3M 4B1
Jean	Robertson	V7L 1C7
John	Robertson	V5A 4B8
Dina	Robertson	V7P2B2
Dedeker	Rondeau	V5N1J7
mike	rosengarten	v3m 1v6
Margaret	Ross	V3L 4A9
Mark	Rowlands	V6G2Z1
Elisabeth	Sahlmueller	Burnaby, B.C.
David	Sahlmueller	V5A4Y8
Juan	Salcedo	V7R 3B4
Heather	Sanford	V5A 4B8
Doug	Schell	V9P 9B4
Arlene	Schimmelpfennig	V5R2J4
Andrea	Schnarr	V5V 1X1
Jill	Schroder	Vancouver
Sarah	Schwieger	V5V 2W9
Leigh	Selden	V9J 1S8
Robert	Selles	V6B0A7
Catherine	Sevcik	V5W 1S2
Caroline	Shannon	V0H1E0
Lorraine	Sharpsteen	V5Z 3L2
Ted	Sheldon	Victoria
Stephanie	Shulhan	V7C 0C8
Tamara	Shulman	Vancouver
Tara	Shushtarian	V5A 4H5
Farhad	Shushtarian	V5A 4H5
Shirin	Shushtarian	V5A 4H5
Javad	Shushtarian	V5A 4H5
Virgilio	Sintos	V3N4X6

Kyla	Skaalid	V2X9H1
terry	slack	v6n2h9
Violet	Smatlan	Vancouver
Susan	Smythe	V3L5R3
Helen	Spiegelman	V5N 3R7
Emily	Sproule	V5N 1J9
Laura	Stannard	V5Z 2B3
Hayden	Stewart	Burnaby
Ashley	Stoltz	V5A0B9
Susan	Stout	V7G 1V2
Robert	Stowe	V6K 1J7
Hayaat	Stuart-Khafaji	Vancouver
Miranda	T.	V3N5E6
Chenlu	Tang	Edmonds
Taryn	Taylir	Vancouver
Riod	Tblas	V5A 4B8
Max	Thompson	V6L 2Z2
Sally	Thurlow	L1N 9Z7
Tenzen	Tion	V3N4X6
Simon	Tooley	V5A 4B8
Elise	Tremblay	Vancouver
Juan	Trevino	V6G 1L3
Nora	Tseng	V3L 1J8
Carter	Tsui	V3J 6N7
Amy	Umpleby	95959
Mark	Valencia	V4M 2G6
lisa	valladares	v3n4x7
Amanda	Vantol	V5N 2A7
Cecilia	Vargas	V5S 0K6
Aubrie	Verleur	V3g 2z3
Maria Isabel	Villa	V3N4X6
John	Vissers	Abbotsford
Brian	Voth	V0N 2G0
Douglas	W MacDonald	V5L 3E4
Susan	Walp	V1C 2V9
D	Walton	Burnaby
bing	wang	v3n 4x7
ES	Warwick	V8T 3S5
Ellen	Watters	Burnaby
Amy	Weeks	v5x 1b3
Alexandra	Welch	V5g 1b6
Jane	Welton	V8Z 7H3
Elizabeth	White	V8K 1K3
Ron	Wilson	V0R 1T0
Robert	Winston	Surrey
Erin	Wong	V5N 4Y4
Lilly	Woodbury	V0R 2Z0

Elizabeth	Wright	maple ridge
Teri	Young	Cowichan Bay
Mark	Zhu	Edmonds station area
justin	zuk	V5E 4E9

Organizations

Zero Waste BC
Zero Waste Vancouver
Doctors for Planetary Health West Coast
Global Enlightening Enterprise Incorporated
Burnaby For Our Kids
Midwestern Region Centre for Democracy and Human Rights MICOD
Chase Environmental Action Society
New Westminster Climate Action Hub
West Coast Climate Action Network
Zero Waste Canada

From: Eyal Lebel
Sent: Friday, February 20, 2026 12:07 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: info@zerowastebc.ca
Subject: response to solid waste plan draft

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hello,
here is the response to the draft plan,
thank you.
Eyal Lebel, chair of zero waste committee of SPEC

SPEC Zero waste committee respond the Metro Vancouver draft solid waste plan

--

Dr.Eyal Lebel,
Acupuncture and Traditional Chinese medicine.
Acupuncture that is Natural, Gentle and Effective.
For Pains of all kinds, Sleep, Anxiety, Depression, Fertility and more.

SPEC Zero Waste committee response to the Metro Vancouver draft solid waste plan Feb 20, 2026

Society Promoting Environmental Conservation's (SPEC) Zero Waste Committee, is a group of citizens from the Vancouver and BC area. We have been informed and engaged with Metro Vancouver in general, and specifically with the solid waste plan update process.

This response document comes from a place of respect and appreciation for the work that Metro Vancouver organization is doing.

There are specific points that we would like to raise that could help bring this next 10 year plan to a more successful and robust place.

Waste reduction and diversion rate improvement in multi-family buildings:

- There is no clear indication of "how" and with "what tools" the plan is going to reach the targets
- There are no direct actions supporting multi-family buildings such as inspections or monitoring
- There is no clear allocated budget towards the targets in the plan

Diversion rates, in general:

- There are new targets, but no specific tools to get there
- There are no costs allocated to actions and systems in the plan

Waste reduction and diversion in ICI, and C&D

- Some targets but no new funding, or new regulations

Incineration

- There is extensive research showing that toxins are dispersed from incinerators
- Burning waste goes against the direction of better recycling and composting organic waste
- The western world is moving away from incineration

Food waste in our systems and society

- Not clear enough not strong enough targets and tools to reduce food waste

Waste reduction education and diversion enhancement

- No strong tools and budgets for enhancement of waste reduction

Overall, the plan talks about targets in 2040 and 2050, with no clear interim targets.The plan also does not provide a strong method for how the targets are going to be achieved.
The plan lacks clear vision and new "tools", bylaws, and other ways to reach the goals it sets.

Thank you very much,
Eyal Lebel, chair of SPEC Zero Waste Committee

From: Harrison Brook <HBrook@retailcouncil.org>
Sent: Friday, February 20, 2026 12:14 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Cc: Greg Wilson <gwilson@retailcouncil.org>; Stephanie Liu <Stephanie.Liu@metrovancouver.org>; Shahla@engagedelaney.com
Subject: Retail Council of Canada Comments on Draft of Metro Vancouver's Solid Waste Management Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Metro Vancouver Zero Waste Team,

Please find attached the Retail Council of Canada (RCC) response to the Initial Draft of Metro Vancouver's Solid Waste Management Plan. Please feel free to reach out at if you have any questions or wish to discuss any of the content in the attached response.

Thank you,

Harrison

Harrison Brook (he/him)
Manager, Sustainability
RETAIL COUNCIL OF CANADA | CONSEIL CANADIEN DU COMMERCE DE DÉTAIL
1881 Yonge Street, Suite 800, Toronto, ON M4S 3C4
Mobile: 416 895 5869 Office: 416 467 3761

RETAIL COUNCIL OF CANADA
CONSEIL CANADIEN DU COMMERCE DE DÉTAIL

800-1881 Yonge Street
Toronto, ON M4S 3C4
www.retailcouncil.org
info@retailcouncil.org

February 20, 2026

Metro Vancouver
Metrotower III
4515 Central Boulevard
Burnaby, BC, V5H 0C6

By email to: zerowaste@metrovancouver.org

Dear Metro Vancouver Zero Waste Team,

Subject: Response to Initial Draft of Metro Vancouver's Solid Waste Management Plan

Retail is Canada's largest private sector employer. Over 319,000 (January 2026) residents of British Columbia work directly in the retail industry. Retail impacts hundreds of thousands of related jobs in wholesale, transportation, information technology, legal and accounting professions. The sector annually generates $17 billion (2024 data) in wages and employee benefits for British Columbians. Core retail sales (excluding vehicles and gasoline) in B.C. were $73 billion in 2024. The Retail Council of Canada (RCC) is a not-for-profit industry-funded association that represents small, medium and large retail businesses in every community across the country. As the Voice of Retail™, we proudly represent British Columbia storefronts in all retail formats, including department, grocery, pharmacy, convenience, specialty, discount and independent retailers, as well as online merchants and quick-service restaurants.

The Retail Council of Canada (RCC) appreciates the opportunity to provide comments on Metro Vancouver's Initial Draft Solid Waste Management Plan. RCC encourages Metro Vancouver to pursue harmonized actions at the highest jurisdictional level possible to achieve the best environmental outcomes at the lowest cost. Retailers are open to the use of landfill disposal bans to drive diversion, but such measures should remain outcome-based and avoid prescribing how businesses must comply. Businesses must be provided with the operational flexibility to determine the most appropriate and cost-effective compliance pathway.

RCC and our members support reducing waste generation, increasing diversion, and advancing circular economy outcomes. Achieving the Plan's diversion and recycling targets will require coordinated action across multiple actors and will require detailed consultations with the impacted parties.

Retailers and quick service restaurants (QSRs) are directly impacted by changes to collection systems, disposal bans, infrastructure requirements, and Extended Producer Responsibility (EPR) programs. As such, we encourage Metro Vancouver to ensure that proposed strategies are harmonized with or identical to existing provincial and federal frameworks and implemented in a manner that reflects jurisdictional roles, operational feasibility, and the financial implications to businesses and consumers.

RCC supports improving material flow data and reporting. RCC cautions that any proposed actions to collect additional data be carefully designed to avoid duplicative obligations for businesses already subject to federal and provincial reporting requirements. Introducing additional material flow data and

reporting requirements risks creating fragmented compliance obligations for multi-site operators and increasing administrative burden without corresponding improvements in recovery outcomes.

> RCC recommends that Metro Vancouver engage stakeholders and review the data that is currently being reported. RCC also recommends that Metro Vancouver collaborate with the entities where this data is reported, including producer responsibility organizations (PROs) and provincial and federal government to share data, making use of existing data that businesses are already reporting including provincial EPR programs and federal reporting initiatives such as the Federal Plastic Registry. This will help ensure that there is no duplication of reporting requirements which create red tape and place administrative burdens on businesses.

The draft Plan highlights a review and potential expansion of materials covered by landfill bans. While landfill bans contribute to increased diversion, they also have significant cost and operational implications for retailers such as changes to facilities to accommodate changes and modifications to waste collection contracts.

> Retail is open to the use of landfill bans to increase diversion. Where materials are banned from landfills, RCC recommends that such bans remain outcome-based and not be prescriptive. Businesses must be permitted to determine the most appropriate operational approach to managing these materials. The implementation of new landfill bans must include adequate lead time to allow businesses to adjust operations, secure necessary services and infrastructure, and ensure these measures deliver improved environmental outcomes while minimizing financial impacts to businesses and consumers.

Several proposed actions with the Plan are aimed at increasing reuse and recycling, including promoting design for recyclability and advocating for increasing the use of recycled content. With today's integrated global supply chains, many of the products and packaging sold in Canada are designed and manufactured internationally. Retailers do not have the ability to make changes required to support increased reuse, repairability, or incorporate recycled content. These changes rely on product design or material composition changes that cannot be met by downstream actors, such as retailers.

> RCC recommends that initiatives aimed at increasing reuse, repair, recyclability and recycled content be internationally harmonized with Canada's major trading partners**.** Aligning design related objectives internationally will help ensure that products sold into the Canadian market can meet reuse and recycling outcomes without creating fragmented design expectations that cannot be operationalized within today's global supply chains or resulting in significant cost increases to both businesses and Canadian consumers.

The draft Plan indicates Metro Vancouver's intent to advocate for reusable food service ware requirements. Integrating reusable systems into retail and food service operations would require operational changes including staff training, process adjustments and space for washing and storage, and will introduce significant health and safety concerns. The success of these systems will depend on consumer acceptance and participation. Where consumers treat reusable items as single use, there is a risk of increased material use and operational burdens which will undermine the intended improved environmental outcomes.

> RCC recommends that any requirements related to reusable food service ware be harmonized at the national level to ensure consistency across jurisdictions and alignment with how food service packaging systems are designed, supplied and managed. In the absence of national coordination, initiatives related to reusable food service ware should remain voluntary, as regional mandatory requirements risk creating fragmented compliance obligations for multi-site operators and may conflict with ongoing provincial EPR modernization efforts for packaging and paper products.

RCC is concerned about the Plan's identified priority to advocate for the expansion of provincial EPR programs to additional product categories such as textiles and furniture.

- Textiles are a category with a strong second-hand reuse market, which is a preferable outcome in the waste management hierarchy as identified in the Canada-wide action plan for EPR. Obligating these products under EPR would negatively impact these reuse markets and the businesses that support them. Currently there are no other Canadian jurisdictions that have obligated clothing and textiles as there is significant lack of infrastructure to effectively sort, process and recover materials from this category. Clothing and textile recycling systems are in their initial stages in Europe, and RCC understands that there have been significant challenges in their rollout. A lack of end-markets means that collected textiles are primarily being diverted to landfills or shipped to developing countries.
- Furniture, as with clothing and textiles, is a product category with a strong second-hand reuse market. EPR obligations for these products would have negatives impacts on the secondary reuse market and the businesses that support it. These products are bulky, costly to manage and the infrastructure does not exist to effectively recover the materials. If furniture is obligated under EPR it would result in high EHFs, creating affordability concerns for consumers.

A premature expansion into these product categories is unlikely to result in improved environmental outcomes and will result in increased costs for consumers while also harming existing secondary reuse market sellers.

> RCC recommends Metro Vancouver work with other jurisdictions to review the infrastructure and technology available for the appropriate end-of-life management of these items. EPR expansion into these categories should not be pursued until such a time that they can be well managed for a reasonable consumer cost and with an improved environmental outcome.

RCC notes Metro Vancouver's intent to collaborate with industrial, commercial and institutional (ICI) sectors on waste reduction initiatives, including efforts to reduce food loss. In addressing food loss, there are significant employee and public health and safety concerns that must be addressed. Participation in food waste diversion programs will require significant behaviour changes and will be influenced by physical and operational constraints that may not be within the direct control of retail tenants such as shared waste rooms in commercial buildings, health and safety requirements related to organics storage and variability in available collection infrastructure across municipalities. There may also be requirements to change some federal and provincial health and food regulations which directly impact food waste.

> RCC wants to ensure that measures to reduce food waste consider and address health and safety concerns. RCC also recommends that any measures, voluntary or otherwise, developed from this Plan include appropriate infrastructure investment and implementation timelines to support participation, enable behaviour changes and minimize unintended financial impacts to businesses and consumers.

Many retailers are already participating in reuse, refill and repair pilots in jurisdictions across the country; and these efforts are continuously expanding. However, these pilots and any current participation in reuse, refill and repair programs are voluntary. The creation of unaligned or overly prescriptive regional reuse requirements will stem innovation and risks creating a complex patchwork of unaligned requirements across jurisdictions, which add costs, administrative burdens and regulatory complexity for businesses with operations in multiple jurisdictions.

> RCC recommends that Metro Vancouver support innovation through voluntary programs that are harmonized and aligned with provincial and federal efforts. This will help ensure harmonized opportunities for scalable solutions and support innovation and funding for reuse, refill and repairs initiatives across jurisdictions, which will help reduce barriers to adoption and enable widespread participation by multi-site operators.

Conclusion

RCC encourages Metro Vancouver to implement the proposed measures in a manner that is harmonized with existing provincial EPR frameworks and federal reporting initiatives, to avoid duplicative or fragmented regulatory requirements for businesses. Consideration should be given to the global supply chains and to the feasibility and financial implications of proposed measures to both businesses and consumers, as well as the respective jurisdictional roles of municipal, provincial and federal governments in managing product design, producer responsibility and packaging recovery systems.

A coordinated and harmonized approach across jurisdictions will be essential to achieving the Plan's diversion objectives while minimizing unintended operational and economic impacts. RCC looks forward to continued engagement as the Plan is refined and implemented.

RCC again thanks you for the opportunity to provide comments on Metro Vancouver's Initial Draft Solid Waste Management Plan.

Yours truly,



Harrison Brook
Manager, Sustainability
Retail Council of Canada

Copy: Greg Wilson, Retail Council of Canada

6.0 – Final Comment Period Ending August 1

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: March 24, 2026 4:42 PM
To: john.mcewen@anmore.com; jross@belcarra.ca; mayor@bimbc.ca; mayor@burnaby.ca; pietro.calendino@burnaby.ca; sav.dhaliwal@burnaby.ca; chodge@coquitlam.ca; ttowner@coquitlam.ca; rbinder@delta.ca; dkruger@delta.ca; palbrecht@langleycity.ca; ewoodward@tol.ca; sferguson@tol.ca; mayor.berry@lionsbay.ca; druimy@mapleridge.ca; nnakagawa@newwestcity.ca; CNV Mayor; muril@dnv.org; nmacdonald@pittmeadows.ca; westb@portcoquitlam.ca; mlahti@portmoody.ca; Deb McKinnon; bmcnulty@richmond.ca; alexa.loo@richmond.ca; mayor@surrey.ca; ghepner@surrey.ca; harry.bains@surrey.ca; rob.stutt@surrey.ca; pardeep.kooner@surrey.ca; Doug Elford; lcassidy@tsawwassenfirstnation.com; ken.sim@vancouver.ca; clrdominato@vancouver.ca; clrbligh@vancouver.ca; clrkirby-yung@vancouver.ca; clrklassen@vancouver.ca; clrzhou@vancouver.ca; peter.meiszner@vancouver.ca; Mark Sager; mknight@whiterockcity.ca; michael.Wolfe@richmond.ca; Rosemary Wallace; Steve Darling; paul.weverink@anmore.com
Cc: ECS.Minister@gov.bc.ca; ENV.Minister@gov.bc.ca; Avery Gottfried; Deb Epps; Metro Vancouver Solid Waste Management Plan Update; Metro Vancouver - Solid Waste; Paul Henderson
Subject: Regarding Financial Transparency and Risk for Solid Waste Management Planning in Metro Vancouver
Attachments: ZWBC Letter to MV Board and ZWC re FOI results March 24 2026.pdf; MV FOI spreadsheet disposal costs.xlsx; Metro Vancouver FOI 2025-125 - Response to Applicant -costs per tonne info.pdf

Follow Up Flag: Follow up
Flag Status: Completed

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Dear Metro Vancouver Board and Zero Waste Committee,

Please find our letter regarding the financial transparency and risk in the solid waste management planning process attached.

I am also attaching the spreadsheet we used for calculations and the relevant info provided by Metro Vancouver under an FOIPPA request as well for reference.

We would be happy to answer any questions.

Sincerely,
Sue Maxwell

Sue Maxwell
Chair, Zero Waste BC
[redacted]
smaxwell@zerowastebc.ca
www.zerowastebc.ca

Zero Waste BC is a non-profit society that has been championing Zero Waste since 2008 with a mission to drive systemic change towards Zero Waste in BC.

I humbly acknowledge that the land on which I live, work and play is in the unceded territories of the Skwxwú7mesh (Squamish Nation) and Lil'wat7úl (Lil'wat Nation).

March 24, 2026

To the Metro Vancouver Board and Zero Waste Committee,
cc: Minister Dix, Minister Davidson, Avery Gottfried, Deb Epps,
solidwasteoperations@metrovancouver.org, Paul Henderson

Re: Solid Waste Management Planning

Dear Director or Zero Waste Committee Member,

Zero Waste BC is a non-profit association dedicated to driving systemic change towards Zero Waste in BC. We are writing to you because we are very concerned that the new solid waste management plan may be approved without decision-makers having a clear idea of the financial consequences or risks of approving such a plan. To date there have been piecemeal approvals of items like district energy and electricity sales contracts that collectively will make it harder for decision-makers to then shut down the facility once the actual costs are known. It is important that all of the facts and financial consequences are known before key decisions are made to avoid a repeat of the issues surrounding the liquid waste management system. This letter outlines the key issues and recommendations. In particular, we are concerned about the lack of financial transparency in assessing options for waste disposal. As a Director or Committee member, please ensure that decisions are not being made in haste without considering the potential negative consequences on human health, the environment, and use of taxpayer dollars. We urge you to not approve the Solid Waste Management Plan until these key issues are addressed.

Background

Zero Waste is defined as the "conservation of all resources by means of responsible production, consumption, reuse, and recovery of products, packaging, and materials without burning and with no discharges to land, water, or air that threaten the environment or human health". Our current resource consumption system is a linear take-make-waste system. Linear resource consumption systems create waste and other forms of pollution, deplete resources, change land uses, and diminish biodiversity by design. They also generate a huge amount of greenhouse gases which constitute just some of the discharges that threaten the economy, human health, and the environment. Here is the link to the updated Zero Waste Hierarchy which should be followed when developing waste solutions. Zero Waste BC is on Metro Vancouver's Public Technical Advisory Committee and has also participated in hosting some Collaborative Engagement sessions and we are very concerned about the solid waste planning process.

In the absence of a robust analysis for residual waste disposal options as part of the solid waste management planning process, we have been doing our own analysis with the publicly available information, however staff have shown different accounting for disposal costs. Despite repeated requests for more information, none was forthcoming leading us to file a request

under the *Freedom of Information and Protection of Privacy Act* (FOIPPA). We also requested information on dioxins including the October 2025 dioxin testing of a rooftop nearby the incinerator, lifespan and maintenance needs of the incinerator, correspondence with the Province regarding waste planning and the incinerator, radioactive materials in waste, waste costs per tonne, climate pollution and waste planning but were told that this would cost over $170,000 to provide. A scaled back request did reveal the spreadsheet numbers used by Metro Vancouver staff to determine the disposal costs (Zero Waste Committee meeting Sept 11, 2025). The request also highlighted that the reports on maintenance assessment for the incinerator and the October 2025 dioxin rooftop testing results had yet to be received.

Recalculations

Using this cost data, we were able to create a spreadsheet using the formulas for calculating the disposal numbers. This showed several issues with how the per tonne disposal costs were calculated:

1. The costs for the Recycling and Waste Centres were apportioned to each disposal type based on the proportion of waste that flowed to them. This is problematic for two reasons. The first is that these facilities are needed regardless of where the waste flows and as the focus turns more to Zero Waste, their function should also evolve to include more opportunities for reuse, repair and recycling. The second is that the costs will vary each year based on which disposal locations takes the most waste. For example, if in one year, all the waste went to one facility, then that facility would bear 100% of the Recycling and Waste Centre costs making the disposal costs immediately much more expensive (and the costs per tonne only known at the end of the fiscal year) despite the fact that the actual disposal costs to receive waste at that facility had not changed.
2. The 2024 numbers which were the key ones shown to the Zero Waste Committee include an insurance payout for a malfunction issue at the incinerator. In the 2024 accounting year, that resulted in an almost $4 million reduction in costs of the incinerator. This should not be an ongoing revenue source (though these types of issues may increase in frequency as the incinerator is past its useful life). This means that the 2024 numbers provided should not be used to make decisions as they are anomalous.
3. For 2024, a new category of revenue was added -special handling waste tipping fee increment -where an additional fee is charged for managing specific types of waste going to the incinerator. These include:
    - international airline waste
    - international marine waste
    - out of region special handling waste
    - pharmaceuticals
    - police loads
    - special handling waste (not defined).

    This is problematic as either this waste is municipal solid waste, which is what the incinerator's operational certificate authorizes it to burn, or it is another type of waste that must be approved by the Director (provincial) and follow the steps outlined in section 2.8 of the Operational Certificate). So either the regional district is accepting

types of waste that it is not required to manage (displacing volume for other waste and incurring contingency costs) or it is charging extra for types of waste it is meant to manage already.

The table below shows the costs for each disposal option with the following details:

- the first row is the costs provided by Metro Vancouver under the FOIPPA request and shown at the Sept 2025 ZWC meeting.
- the next row is corrected by not apportioning the Recycling and Waste Centre (R&WC) costs to disposal costs and does not including the insurance claim but does assume the full electricity sales occurred
- the third row further subtracts the special handling incremental fees
- the next row includes debt servicing as budgeted (which only applies to the incinerator as the other two disposal options are not owned by Metro Vancouver and in 2024 the debt payment was less than the budgeted amount)
- the final row with what the costs would have been if the new incinerator management contract were in place at that time. Note that the new contract is $245 million over 5 years, averaged at $49 million per year. More accurate costing in term of split between operations and capital is not possible due to lack of publicly available data but it will be important for the Board and Committee to understand the impact on future costs which are all associated with the incinerator.

2024 Disposal Costs per Tonne	Vancouver Landfill	Incinerator	External landfill
Metro Van claimed costs provided under FOI	$123.17	$122.86	$230.55
Without R&WC costs + insurance claim	$79.65	$109.58	$175.89
+ Without special handling	$79.65	$116.24	$175.89
+ With debt servicing as budgeted	$79.65	$118.15	$175.89
+ If new incinerator management contract were in place in 2024	$79.65	$192.47	$175.89

Capital costs and debt servicing

Metro Vancouver budget reports previously outlined the specific capital items for the incinerator which showed an itemized replacement of the incinerator piece by piece but since we conducted our Case Study on Metro Vancouver using that data, the budget now just has one line “WTEF Maintenance” meaning that there is no accountability for if an item was repaired, replaced, etc., in what fiscal year, if the work actually took place or was carried over, nor a comprehensive understanding of to what degree the facility is being rebuilt.

Debt servicing is variable rather than a fixed cost and will increase for the incinerator as forecast capital costs are incurred so it may be best to have these as a separate line for incinerator-related debt in the accounting, as well as information on total debt associated with the incinerator. The amount paid back in a given year is discretionary (i.e. the amount paid back or included in the budget varies with the direction of the Board) -for example, in 2024 the budget called for $12.47 million of total solid waste debt servicing, however the actual payment was reduced to $10.64 million.

The final report from HDR on waste to energy facility condition assessment (a project started in 2023 but for which we were told that the final report is not yet available) should provide decision-makers information on what the upcoming capital needs are to keep this 38 year-old facility running. Most incinerators have reached the end of their useful lives at this age or would require a significant rebuild or refurbishment so this information is crucial for an informed decision. There have already been estimates of over $400 million of capital costs going forward which would rapidly escalate the debt servicing costs of the incinerator, and that is before expected additional needs that would be identified in the report. Future capital costs can impact the cost per tonne considerably. For example, if $400 million were spent on capital costs for the incinerator and paid back over 20 years (not including any interest for simple math), then that **adds** $80 per tonne of costs to all waste going to the incinerator (assuming 250,000 tonnes of waste is burned per year).

In addition, the Province is requiring Metro Vancouver to manage a process to update the Operational Certificate to current standards for pollution control and testing by September 2026. The results and thus the costs of this are unknown.

It should also be made clear that capital costs for the landfills in the five-year plans relate to closed landfills (past disposal) and should not impact analysis for future decisions on disposal options as Metro Vancouver is not using any open landfills it owns.

These numbers show that the Vancouver Landfill is the lowest cost option so Metro Vancouver should work hard to preserve the capacity through pursuing Zero Waste. The incinerator is very costly and forecast to become much more so, while there should be opportunities to reduce the costs of external landfills through better procurement processes. In all cases, funding pursuit of zero waste is the smarter option.

Tie in to budget

The figures provided by Metro Vancouver make it very difficult to see how these numbers align with the five year Financial Plan (2024 costs noted here). For many of the categories of costs shown in the numbers provided under the FOI request, it is hard to tell under which line item they fall.

Contingency costs are not apparent in the solid waste budget but should be so that decision-makers can see the actual costs. It is important to understand that if waste is not reduced, these costs continue yet are not shown in the budgets giving the appearance that there is no financial consequence for missing waste reduction targets.

Recommendations:

1. **Accountability** -Include solid waste management in the public enquiry started to examine the management of liquid waste.
2. **Financial transparency** -Require budgets to be more accurate and specific. Require actual cost data to be included for the three years prior in the Five Year Financial Plans in order to understand trends and changes in accounting practices.
3. **Informed Decision-making** -Require an independent analysis of residual disposal options including accurate costing for previous years and estimates of costs over the time frame of the next solid waste management plan **before** the plan is approved.
4. **Protect the community and environment** -Require a report on the source of the dioxins on the rooftop near the incinerator and a plan for the next steps which must include more comprehensive testing of stack emissions, soil, water and sediments to ensure the facility is not polluting the surrounding area and incurring risk and possible costs for Metro Vancouver. This is basic due diligence.
5. **Transparency to partners**- Develop a system to ensure key interest holders are kept informed. This must include decision makers of the Zero Waste Committee, Board and municipal councils; First Nations; local Health Authorities; the Province; the public and others. The results from implementing the recommendations above should be made public as soon as the results are available. This is also important to the 385 people and organizations that signed our petition asking Metro Vancouver to shut down the incinerator.

For transparency, I am also including the spreadsheet used to develop this and we are happy to receive feedback on it or explain the calculations as well as to learn further about the Metro Vancouver cost calculations.

We hope that implementing these recommendations can put Metro Vancouver on the path to becoming a leader in reducing solid waste. Please contact me if you have any questions.

Sincerely,

Sue Maxwell,
Chair
Zero Waste BC

		2024 without insurance claims nor recycling centre costs			2024 + without special handling			2024 + with budgetted debt servicing			2024 + if had new Veolia contract		
Category	**MV numbers**	**total tonnes**	**garbage only tonnes**	**Costs**	**total tonnes**	**garbage only tonnes**	**Costs**	**total tonnes**	**garbage only tonnes**	**Costs**	**total tonnes**	**garbage only tonnes**	**Costs**
Total Costs per tonne		$/tonne	tonnes	total cost	$/tonne	tonnes	total cost	$/tonne	tonnes	total cost	$/tonne	tonnes	total cost
Vancouver Landfill													
Metro R &WC Operating inc admin, debt allocation	$ 54.66		405,660	$ -		405,660	$ -		405,660	$ -		405,660	$ -
Metro R &WC Van LF transfer cost	$ 19.18	$ 19.18	405,660	$ 7,780,552	$ 19.18	405,660	$ 7,780,552	$ 19.18	405,660	$ 7,780,552	$ 19.18	405,660	$ 7,780,552
Van LF disposal cost	$ -												
LF total operating cost net	$ 49.24	$ 49.24	509,495		$ 49.24	509,495		$ 49.24	509,495		$ 49.24	509,495	
Metro Total Delta royalty blended rate	$ 4.80	$ 4.80			$ 4.80			$ 4.80			$ 4.80		
LF Program Admin Labour Expense allocation	$ 0.34	$ 0.34			$ 0.34			$ 0.34			$ 0.34		
Metro VLF Closure Priv NPV Estimate	$ 10.00	$ 10.00			$ 10.00			$ 10.00			$ 10.00		
total Metro Garbage only waste , VLF direct haul + transfer t	**$ 64.38**	**$ 64.38**		$ 32,801,889	**$ 64.38**		$ 32,801,889	**$ 64.38**		$ 32,801,889	**$ 64.38**		$ 32,801,889
Total VLF cost per tonne	**$ 123.17**	**$ 79.65**		**$ 40,582,441**	**$ 79.65**		**$ 40,582,441**	**$ 79.65**		**$ 40,582,441**	**$ 79.65**		**$ 40,582,441**
	$ -												
WTEF	$ -												
Metro R&WC Operating Cost to WTEF transfer tonnes	$ 54.66	$ -	84,196	$ -	$ -	84,196	$ -	$ -	84,196	$ -	$ -	84,196	$ -
Metro R&WC Transfer Cost to WTEF transfer tonnes	$ 14.19	$ 14.19		$ 1,194,738	$ 14.19		$ 1,194,738	$ 14.19		$ 1,194,738	$ 14.19		$ 1,194,738
WTEF Operating Cost, net	$ -												
Operating Cost	$ -		243,169	$ 30,432,853		243,169	$ 30,432,853		243,169	$ 30,432,853		243,169	
Administration Cost	$ -			$ 494,971			$ 494,971			$ 494,971			
Total cost	$ -			$ 30,927,824			$ 30,927,824			$ 30,927,824			$ 49,000,000
Revenue -electricity sales	$ -			$ (6,254,000)			$ (6,254,000)			$ (6,254,000)			$ (6,254,000)
Revenue -metal sales ferrous and non-ferrous	$ -			$ (291,477)			$ (291,477)			$ (291,477)			$ (291,477)
Revenue -Special handled waste tipping fee incremenet	$ -			$ (1,620,343)									
Total revenue	$ -			$ (8,165,820)			$ (6,545,477)			$ (6,545,477)			$ (6,545,477)
Total Burnaby WTEF Operating Cost net	$ -			$ 22,762,004			$ 24,382,347			$ 24,382,347			$ 42,454,523
Generator repair cost	$ -			$ -			$ -			$ -			$ -
Turbine Insurance Claim Business interruption	$ -			$ -			$ -			$ -			$ -
Turbine Insurance Claim Property	$ -			$ -			$ -			$ -			$ -
Total Generator Repair Insurance claims	$ -			$ -			$ -			$ -			$ -
Annual Debt service allocation	$ -			$ 2,689,123			$ 2,689,123			$ 3,153,797			$ 3,153,797
Total WTEF Operating net cost/tonne	$ 99.02	$ 104.66	243,169	$ 25,451,127	$ 111.33	243,169	$ 27,071,470	$ 113.24	243,169	$ 27,536,144	$ 187.56	243,169	$ 45,608,320
Total WTEF Disposal Cost	**$ 122.86**	**$ 109.58**		**$ 26,645,865**	**$ 116.24**		**$ 28,266,208**	**$ 118.15**		**$ 28,730,882**	**$ 192.47**		**$ 46,803,058**
	$ -												
Contingency Out of Region Alternative	$ -												
Metro R& WC Operating Cost	$ 54.66	$ -	151,539	$ -	$ -	151,539	$ -	$ -	151,539	$ -	$ -	151,539	$ -
Contingency Transfer and Disposal Cost	$ 171.34	$ 171.34	151,539	$ 25,964,738	$ 171.34	151,539	$ 25,964,738	$ 171.34	151,539	$ 25,964,738	$ 171.34	151,539	$ 25,964,738
Metro R&WC Handling Cost	$ 4.55	$ 4.55	151,539	$ 689,504	$ 4.55	151,539	$ 689,504	$ 4.55	151,539	$ 689,504	$ 4.55	151,539	$ 689,504
Metro Labour Expense allocation	$ -												
Total Contingency Disposal Cost	**$ 230.55**	**$ 175.89**		**$ 26,654,242**	**$ 175.89**		**$ 26,654,242**	**$ 175.89**		**$ 26,654,242**	**$ 175.89**		**$ 26,654,242**

Note several cells have formulas added and the calculated numb	2024				2023			2021		
Category	**total tonnes**	**garbage only tonnes**	**Costs**	**Budget**	**total tonnes**	**garbage only tonnes**	**Costs**	**total tonnes**	**garbage only tonnes**	**Costs**
			resource recovery tonnes							
INBOUND GARBAGE										
Recycling and Waste Centres -direct haul	710,999	648,005.013	62,994							
Metro to WTEF garbage only -direct haul	140,705	140,704.846								
total Metro garbage		**788,709.859**								
Other material to WTEF inc special waste -direct haul		18,268.293								
total to WTEF		**158,973.139**								
total Metro garbage		**806,978.152**								
Metro to VSTS to VLF garbage only -direct haul		42,701.830								
Metro to VLF garbage only -direct haul		61,133.590								
total Metro to VSTS and VLF		**103,835.420**								
total Metro garbage		**910,813.572**								
Vancouver/Delta (VSTS) Garbage only -direct haul		97,311.719								
Vancouver/Delta (VLF) Garbage only		59,384.960								
total VLF/VSTS garbage		**156,696.679**								
VLF Other (btm ash, demo, residuals) -direct haul		67,005.671								
total VLF/VSTS garbage inc lines 9, 10)		**260,532.099**								
total regional waste garbage -direct haul	**1,197,510**	**1,134,515.922**	**62,994**							
OUTBOUND -Garbage only										
Vancouver Landfill										
Metro direct haul + VSTS		42,701.830								
Metro VLF direct haul		61,133.590								
Metro VLF transfer, garbage only		405,659.626								
total Metro Garbage only waste, direct haul VSTS/VLF + VLF transfer		**509,495.046**								
Delta/Van -direct haul VLF + VSTS		156,696.679								
total VLF garbage only		**666,191.725**								
VLF Other (btm ash, demo, residuals)		67,005.671								
total VLF		**733,197.396**								
Waste to Energy Facility										
Direct haul garbage only		140,704.846								
Metro Recycling and Waste Centres Transfer		84,195.767								
total		**224,900.613**								
Direct haul other inc special waste		18,268.293								
total WTEF		**243,168.906**								
Hauling to contingency cost (from R&WCs)										
CAMP		80,718.506								
SEAIY		12,246.371								

Category	total tonnes	garbage only tonnes	Costs	Budget	total tonnes	garbage only tonnes	Costs	total tonnes	garbage only tonnes	Costs
SUNRLF		58,574.391								
Total Contingency		**151,539.268**								
Total Disposal		**1,127,905.570**								
Balance In -Out		6,610.352								
			Notes inc special waste, residuals, bottom ash)							

COSTS	**Cost per tonne**	**Tonnes**	**Cost**	**Budget**
Hauling to WTEF (from R&WCs)	$ 14.19	84,139.00	$ 1,193,932.41	possibly in R&WC budget
Hauling to VLF (from R&WCs)	$ 19.18	405,660.00	$ 7,780,558.80	possibly in R&WC budget
Hauling to Contingency Sites (total handling from R&WCs)	$ 4.55	151,539.27	$ 689,503.67	possibly in R&WC budget
Metro LF Program Administration Labour Expense Allocation			$ 173,617.00	unclear where exists in budget
Metro -Delta Royalty cost for Garbage only Waste to VLF	$ 4.80	555,400.00	$ 2,665,920.00	unclear where exists in budget
Metro Annual VLF Closure/Post Closure Reserve Allocation	$ 10.00	555,400.00	$ 5,554,000.00	unclear where exists in budget
REGIONAL Facility Costs				
Van Landfill net operating expenditures				
Operations net recovery			$ 28,964,182.00	
VLF gas control			$ 4,956,019.00	
Weigh scales 50%			$ 214,379.00	
Solid Waste management (48.08%)			$ (46,274.00)	
total	$ 49.24	692,357	$ 34,088,306.00	$ 35,825,563.00
Metro Recycling and Waste Centres				
total operating costs			$ 47,600,458.00	
less VSTS contract expense			$ (3,745,022.00)	
less sundry revenue			$ (1,995,113.00)	
less contingency handling costs, WTEF/VLF transfer costs			$ (9,662,252.00)	
less organics management cost			$ (5,409,106.00)	
net operating costs	**$ 37.68**		**$ 26,788,965.00**	
solid waste transfer station administration			$ 6,060,554.00	
sundry revenue			$ (961,860.00)	
admin	**$ 7.17**		**$ 5,098,694.00**	
debt servicing	**$ 9.81**		**$ 6,977,339.00**	$ 8,176,463.00
total (inc debt servicing)	**$ 54.66**	710,999	**$ 38,864,998.00**	$ 49,564,839.00
Vancouver South Transfer Station				
operating expenditure inc transfer costs to VLF			$ 14,819,466.00	
weighscales 50%			$ 214,379.00	
solid waste management (10.58%)			$ (10,183.00)	
	$ 107.30	140,014	**$ 15,023,662.00**	unclear where this is in budget if at all

400000000	capital	
20	yrs	
$ 20,000,000.00	per yr	
$ 80.00	per tonne	

Category	total tonnes	garbage only tonnes	Costs	Budget	total tonnes	garbage only tonnes	Costs	total tonnes	garbage only tonnes	Costs
WTEF										
Operating net										
Waste incineration			$ 30,432,853.00	$ 29,266,387.00						
Administration			$ 494,971.00							
Electricity sales			$ (3,649,146.00)	$ (6,254,000.00)						
Ferrous and Non ferrous sales -metal			$ (291,477.00)	?						
Special handling wastes increment	$ 142.00	11,410.86	$ (1,620,342.55)							
total	$ 104.32	**243,169**	**$ 25,366,858.45**							
debt servicing	$ 11.06		$ 2,689,123.00	$ 3,151,298.00						
Generator repair										
repair cost			$ 3,940,867.00							
insurance payout business interruption for SWS turbine			$ (5,015,317.00)							
Insurance payout for property insurance SWS turbine			$ (2,902,474.00)							
total	**$ (16.35)**		**$ (3,976,924.00)**							
Total WTEF	**$ 99.02**									
Contingency Hauling and Disposal										
blended cost of 3 locations which includes radiation, state tax	**$ 171.34**			in a contingency budget?						

Total Costs per tonne	$/tonne	tonnes	total cost	$/tonne	tonnes	total cost	$/tonne	tonnes	total cost
Vancouver Landfill									
Metro R &WC Operating inc admin, debt allocation	$ 54.66	405,660	$ 22,174,378	$ 68.03	411,890	$ 28,020,877	$ 45.53	482,872	$ 21,985,162
Metro R &WC Van LF transfer cost	$ 19.18	405,660	$ 7,780,552	$ 17.45	411,890	$ 7,187,481	$ 12.96	482,872	$ 6,258,021
Van LF disposal cost									
LF total operating cost net	$ 49.24	509,495		$ 40.94	511,811		$ 36.47	706,498	
Metro Total Delta royalty blended rate	$ 4.80			$ 9.41			$ 4.01		
LF Program Admin Labour Expense allocation	$ 0.34			inc in above			inc in above		
Metro VLF Closure Priv NPV Estimate	$ 10.00			$ 10.00			$ 10.00		
total Metro Garbage only waste , VLF direct haul + transfer tc	**$ 64.38**		$ 32,801,889	**$ 60.35**		$ 30,887,794	**$ 50.48**		$ 35,664,019
Total VLF cost per tonne	**$ 123.17**		**$ 62,756,819**	**$ 129.14**		**$ 66,096,151**	**$ 90.46**		**$ 63,907,202**
WTEF									
Metro R&WC Operating Cost to WTEF transfer tonnes	$ 54.66	84,196	$ 4,602,353	$ 68.03	82,597	$ 5,619,074	$ 45.53	110,822	$ 5,045,726
Metro R&WC Transfer Cost to WTEF transfer tonnes	$ 14.19		$ 1,194,738	$ 12.47		$ 1,029,985	$ 9.48		$ 1,050,593
WTEF Operating Cost, net									
Operating Cost		243,169	$ 30,432,853		236,278	$ -		241,530	$ -
Administration Cost			$ 494,971			$ -			$ -
Total cost			$ 30,927,824			$ -			$ -

Category	total tonnes	garbage only tonnes	Costs	Budget	total tonnes	garbage only tonnes	Costs	total tonnes	garbage only tonnes	Costs
Revenue -electricity sales			$ (3,649,146)				$ -			$ -
Revenue -metal sales ferrous and non-ferrous			$ (291,477)				$ -			$ -
Revenue -Special handled waste tipping fee incremenet			$ (1,620,343)				$ -			$ -
Total revenue			$ (5,560,966)				$ -			$ -
Total Burnaby WTEF Operating Cost net			$ 25,366,858				$ -			$ -
Generator repair cost			$ 3,940,867				$ -			$ -
Turbine Insurance Claim Business interruption			$ (5,015,317)				$ -			$ -
Turbine Insurance Claim Property			$ (2,902,474)				$ -			$ -
Total Generator Repair Insurance claims			$ (7,917,791)	$ (3,976,924)			$ -			$ -
Annual Debt service allocation			$ 2,689,123		$ 4.32	236,278	$ 1,021,203	$ 2.41	241,530	$ 582,695
Total WTEF Operating net cost/tonne	$ 99.02	243,169	$ 24,079,057		$ 87.86	236,278	$ 20,758,674	$ 67.57	241,530	$ 16,320,170
Total WTEF Disposal Cost	**$ 122.86**		**$ 29,876,148**		**$ 120.32**		**$ 28,428,936**	**$ 95.22**		**$ 22,999,183**
Contingency Out of Region Alternative										
Metro R& WC Operating Cost	$ 54.66	151,539	$ 8,283,518		$ 68.03	100,584	$ 6,842,730	$ 45.53	63,974	$ 2,912,736
Contingency Transfer and Disposal Cost	$ 171.34	151,539	$ 25,964,738		$ 170.45	100,584	$ 17,144,543	$ 140.11	63,974	$ 8,963,397
Metro R&WC Handling Cost	$ 4.55	151,539	$ 689,504		$ 4.36	100,584	$ 438,546	$ 2.81	63,974	$ 179,767
Metro Labour Expense allocation					$ 6.48	100,584	$ 651,784	$ 0.96	63,974	$ 61,415
Total Contingency Disposal Cost	**$ 230.55**		**$ 34,937,760**		**$ 249.32**		**$ 24,425,819**	**$ 189.41**		**$ 12,055,900**

Capital cost

$	400,000,000	capital
	20	yrs
$	20,000,000	per yr
$	80.00	per tonne

Metro SW Services, Operations

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

1 WASTE FLOWS (tonnes)

					Total Tonnes		Garbage-Only Tonnes	Resource Recovery Tonnes	
A	**INBOUND Regional Direct Haul**								
	1	Metro Recycling & Waste Centre							
		United Blvd,			270,156.097		263,386.613	6,769.484	
		Langley			10,619.070		7,411.175	3,207.895	
		Maple Ridge			11,958.798		9,234.463	2,724.335	
		North Shore			167,098.207		122,856.128	44,242.079	
		Central Surrey			11,919.785		10,072.299	1,847.486	
		North Surrey			239,247.660		235,044.335	4,203.325	
		Metro Recycling & Waste Centres		Direct Haul	710,999.617		648,005.013	62,994.604	
									total Metro Garba
	2	Metro to WTEF Garbage Only		Direct Haul	140,704.846		140,704.846		788,709.859
	3	Other to WTEF incl Special Waste		Direct Haul	18,268.293		18,268.293		
					158,973.139		158,973.139		
					869,972.756		**806,978.152**		
	4	Metro to VSTS to VLF Garbage Only		Direct Haul	42,701.830		42,701.830		total VLF/VSTS Ga
	5	Metro to VLF Garbage Only		Direct Haul	61,133.590		61,133.590		260,532.10
							103,835.420		
		Total Metro Waste tonnes			973,808.176		910,813.572	62,994.604	
	6	Vancouver/Delta (VSTS) Garbage Only		Direct Haul	97,311.719		97,311.719		total Garbage-Onl
		Vancouver/Delta (VLF) Garbage Only			59,384.960		59,384.960		1,049,241.96
	7	VLF Other (btm ash, Demo, Residuals,		Direct Haul	67,005.671		67,005.671		
		Total Regional Waste Tonnes Direct Haul			1,197,510.526		1,134,515.922	62,994.604	
B	**OUTBOUND DISPOSAL SITE - METRO Garbage-Only**								
	1	Vancouver Landfill (VLF)							
		Metro - Direct Haul + VSTS					42,701.830		
		Metro - VLF Direct Haul					61,133.590		
		Metro VLF Transfer, Garbage Only				1	405,659.626		
							466,793.216		
		Total Metro Garbage-Only Waste, Direct Haul VSTS/VLF + VLF Transfer				7	509,495.046		
		Delta/Van - Direct Haul VLF + VSTS					156,696.679		
				Total VLF Garbage Only			666,191.725		
		VLF Other (Btm ash, Demo, Residuals,					67,005.671		
					Total VLF		**733,197.396**		
	2	Waste to Energy Facility							
		Direct Haul Garbage Only		R&WC Transfer			140,704.846		
		Metro Recycling & Waste Centre (R&WC) Transfer				8	84,195.767		
							224,900.613		
		Direct Haul Other incl Special Waste					18,268.293		
					Total WTEF	10	**243,168.906**		
	3	Hauling to Contingency Cost	Metro R&WC	To			Tonnes		
				CAMP			80,718.506		
				SEAIY			12,246.371		
				SUNRLF			58,574.391		
	4	Alternate Site (Contingency)		R&WC Transfer	Total Contingency	15	**151,539.268**		

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5	Net Inbound Year-end Inventory				In-Out Balance Entry - No Disposal			6,610.353		
					Total Metro Disposal Tonnes			1,134,515,923		

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

2 Metro COST $/Tonne

1	Hauling to WTEF - Garbage Cost			Rate/t		Avg Rate/t		Hauling Cost $	Total Tonnes	
		United Blvd,		s.17, s.21				s.17, s.21	42,972	
		North Shore							10,837	
		Central Surrey								
		North Surrey							30,330	
		Scale recon outboud site to inbound disposal							-	
		WTEF Transfer Cost/t - Average				$14.19	9	1,193,880	84,139	
									(56.6300)	in out site/ WTEF scale
2	Hauling to VLF - Garbage Cost			Rate/t		Avg Rate/t		Hauling Cost $	Total Tonnes	
	Recycling & Waste Reduction Centre									
		United Blvd,		s.17, s.21				s.17, s.21	133,898	
		Langley							6,827	
		Maple Ridge							8,804	
		North Shore							98,921	
		Central Surrey							10,054	
		North Surrey							147,154	
		VLF Transfer Cost /t Average Rate				$19.18	3	7,778,868	405,660	
3	Hauling Contingency Cost		From	To		Tonnes				
			United Blvd.			84,113.62		$ 382,716.96		
			N. Surrey			57,042.82		$ 259,544.81		
			N. Shore			10,382.84		$ 47,241.90		
	Contingency Total Handling Cost R&WC Cost /T			$4.55	17	151,539.27		$ 689,503.67	689,504	
4	Metro Landfill Program Administration Labour Expense Allocation									
	LF Program - VLF Burns Bog Disposal Share		62.5%	$277,997			6	$ 173,617		
		SA06361 SW Landfills Prgrm. ($37,012,103/$59,264,005)								
5	Metro - Delta Royalty Cost - Garbage-Only Waste to VLF								Tonnes	
	Sec 6.2	Western Royalty		s.17, s.21				s.17, s.21	100,577	
	Sec 6.3	Eastern Royalty (exlc Btm Ash)							454,822	
		Total Delta Royalty Cost/t				$4.80	5	$ 2,666,147	555,400	
						avg.rate				
6	Metro Annual VLF Closure/Post Closure Reserve Allocation									
		NPV Estimate per Annual Disposal Cost/t				$10.00		$ 5,553,998	555,400	

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

3 Regional FACILITY COST $/Tonne

						Facility $ Rate per Tonne		Net Actual Expenditures	Total Facility Tonnes	
A	Vancouver Landfill (Burns Bog)									
	Operating Expenditure, net									
		CC 35600 VLF Operations, net Recovery						$ 28,964,182	Ppd. by: SW Services, Operations 2/27/2026 2:36 PM	

				CC 35605 VLF Gas Control									4,956,019		
				CC 35610 Weighscales 50%									214,379		
				CC 35150, CC 35151, Solid Waste Management (48.08%)									(46,274)		
		Facility Cost/Tonne							**$49.24**		4	$	34,088,307		692,357
	B	Metro Recycling & Waste Reduction Centres (R&WC)													
				Total Operating Expense **(Excl. VSTS exp)**, net Sundry Revenue								$	47,600,458		
				Less:	Metro R&WC - VSTS Contract Expense								(3,745,022)		
				Less:	net Sundry Revenue								(1,995,113)		
				Less:	Metro R&WC - Contingency Hdlg. Costs, WTEF/VLF Trsf. Costs								(9,662,252)		
				Less:	Organics Management Cost								(5,409,106)		
				Metro R&WC Operating Costs , net						$37.68		$	26,788,965		
			SA06340	**Solid Waste Transfer Station System Administration**				Total Expenditures				$	6,060,554		
				7500	**Sundry Revenue**							$	(961,860)		
								Net Admin		$7.17	18	$	5,098,694		
			SW Services Annual Debt Expenditure Allocation												
					R&WC Debt Share		65.6%	$ 10,637,452		$9.81		$	6,977,339		
					R&WC shr Budget 24 (8,176,463/12,465,602)			2024 Actual Debt Service							excl. VSTS
		R&WC 's Total Operating Cost/Tonne, average							**$54.66**		2	$	38,864,998		711,000
	C	Vancouver South TS (VSTS)													
			Operating Expenditure,												
				CC 35500 VSTS Operations, including Transfer Costs to VLF								$	14,819,466		
				CC 35610 Weighscales 50%									214,379		
				CC 35150, CC 35151, Solid Waste Management (10.58%)									(10,183)		
		Facility Cost/Tonne							**$107.30**			$	15,023,663		140,014
	D	Burnaby Waste to Energy (WTEF)													
		1	Operating Expense, Net												
			a	SA06320-Solid Waste Waste to Energy Facility Regional Waste Incineration								$	30,432,853		
				SA06321-Solid Waste Waste to Energy Facility Administration									494,971		
								Total Expenditure				$	30,927,824		
			b	Revenue Recovery											
				7790	Electrical Energy Sales								(3,649,146)		
				7500	Ferrous + Non-Ferrous Sales								(291,477)		
				7100	User Fees - Special Handled Waste (SHW) Increment										
				SHW Tonnes * Increment ($295 SHW -$153 Reg Wste.)				11,410.863		$142.00			(1,620,343)		
								Total Revenue Recovery					(5,560,966)		

Row Labels	Load	KG	rate
Add/Remove Offence	100	0	
Bar screenings	301	908,480	Regular waste
Garbage	27,746	132,023,766	Regular waste
Inbound WTEF XOB Transfer Garbage	3,030	84,195,765	Regular waste
International Airline Waste	596	3,079,670	SHW
International Marine Waste	1,573	5,881,448	SHW
Municipal Garbage	2,813	8,681,080	Regular Waste
Noxious Weed (Muni Rate)	1	430	Regular Waste
Out of Region Special Handle Waste	7	37,180	SHW
Pharmaceuticals	1	5,210	SHW
Pocket Coil Mattresses	7	26,800	Discounted rate
Police Loads	95	98,360	SHW

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			Sludge Screenings	734	5,921,260		Regular Waste				
			Special Handling Waste	631	2,308,995		SHW				
			Toxic & Noxious Weeds	1	460		Regular waste				
			Grand Total	37,636	243,168,904						
				Total	11,410.863		SHW				
					Net Operating Cost		$104.32	11	$ 25,366,858		
2	Generator Repair										
	a	SA06356 - Total Solid Waste Waste to Energy Generator Repair Cost					$16.21	12	3,940,867		
		Turbine Insurance Claims - Business Interruption and Property									
		7500	Business Interruption for SWS turbine						(5,015,317)		
		7500	Property Insurance for SWS turbine						(2,902,474)		
					Total Turbine Insurance Claims		($32.56)	9	$ (7,917,791)		
					Net Generator Repair		($16.35)		$ (3,976,924)		
3	SW Services Annual Debt Expenditure Allocation										
			WTEF Debt Share	25.3%	$ 10,637,452		$11.06	14	$ 2,689,123		
			WTEF shr Budget 24 (3,151,298/12,465,602)		2024 Actual Debt Service						
	Burnaby WTEF Facility Cost/Tonne						**$99.02**		$ 24,079,057	10	243,169
E	Contingency Hauling & Disposal - Unit Cost Blended Rate										
							Loads		Per Brent K.		
	GFL Republic Waste Mgmt.	(REPGRN) (WMCOWD)	2023 Total Costs w/radiation; w/WA State Tax (Cdn)						s.17, s.21		
									Blended Rate		
	Total Hauling/Disposal Cost/Tonne CND $							16	$171.34		

Metro Solid Waste Services,

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2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

A.	Vancouver Landfill (VLF, Burns Bog)		Tonnes		$ / Tonne		$ Total			
1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)		405,660	1	$54.66	2	$ 22,174,359		Metro Trsf. excl. Direct Haul	
2	Metro R&WC Vancouver Landfill Transfer Cost, **Transfer Tonnes**		405,660		$19.18	3	7,780,552		Metro Trsf. excl. Direct Haul	
3	Vancouver Landfill Disposal Cost								R&WC Costs	$73.84
	Landfill Total Operating Cost, net				$49.24	4			80%	58.79
	Metro Total Delta Royalty - Blended Rate				s.17, s.21	5				$64.38
	Landfill Program Administration Labour Expense Allocation 62.45% * $277,997					6				123.17
	Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne, Estimate									
	Total Metro Garbage-Only Waste, **VLF Direct Haul + Transfer tonnes**		509,495	7	$64.38		32,801,889			
							$ 62,756,799			
	Vancouver Landfill, Total Cost /Tonne		509,495				**$123.17**			
B.	Burnaby Waste to Energy (WTEF)		Tonnes		$ / Tonne		$ Total		R&WC Costs	$68.85
1	Metro R&WC Operating Cost to WTEF Transfer Tonnes		84,196	8	$54.66	2	$ 4,602,349		35%	$23.84
2	Metro R&WC Transfer Cost to WTEF Transfer Tonnes		84,196		$14.19	9	1,194,684		(avg Rate to outbound flows)	$99.02
3	WTEF Operating Cost, Net									$122.86
	a	Operating Cost					30,432,853			
	b	Administration Cost					494,971			
		Total Cost					30,927,824			
	c	Revenue - Electricity Sales					(3,649,146)			
	d	Revenue - Metal Sales, Ferrous and Non-ferrous					(291,477)			

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			e	Revenue - Special Handled Waste Tipping Fee Increment							(1,620,343)		
				Total Revenue							(5,560,966)		
				Total Burnaby WTEF Operating Cost, Net		243,169	10	$104.32	11		25,366,858		
			f	Generator Repair Cost		243,169		$16.21	12		3,940,867		
			g	Turbine Insurance Claim - Business Interruption							(5,015,317)		
			h	Turbine Insurance Claim - Property							(2,902,474)		
				Total Generator Repair Insurance Claims		243,169		($32.56)	13		(7,917,791)		
			i	Annual Debt Service Allocation'	25.3%	$ 10,637,452	14	$11.06			2,689,123		
				WTEF shr Budget 24 (3,151,298/12,465,602)									
			Total WTEF Operating , Net Cost/Tonne			243,169		$99.02			24,079,057		
		4	Total WTEF Disposal Cost								$ 29,876,090		
				Waste-to-Energy, Total Cost /Tonne		243,169					**$122.86**		
	C.	Contingency Out-of-Region Alternative				Tonnes		$ / Tonne			$ Total		
		1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)			151,539	15	$54.66	2		$ 8,283,511		$59.21
		2	Contingency Transfer & Disposal Cost			151,539		$171.34	16		25,964,738		
		3	Metro R&WC Handling Cost			151,539		$4.55	17		689,504		
				Total Contingency Disposal Cost							$ 34,937,753		
				Contingency, Total Cost /Tonne		151,539					**$230.55**		
								Ref. No. to Backup Data					

Metro Solid Waste Services,

2023 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

	A	**Vancouver Landfill (VLF, Burns Bog)**				Tonnes		$ / tonne			$ Total		
		1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)			411,890		$68.03			$ 28,019,589		Metro Trsf. excl. Direct Haul
		2	Vancouver Landfill Transfer Cost			411,890		$17.45			7,187,483		Metro Trsf. excl. Direct Haul
		3	Vancouver Landfill Disposal Cost										
			Landfill Total Operating Cost, net					$40.94					
			Metro Total Delta Royalty					s.17, s.21					
			Metro Landfill Program Administration Labour Expense Allocation 77% * $250,855										
			Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne					$10.00					
				Total Metro Garbage-Only Waste, Direct Haul + Transfer		511,811		$60.35			30,886,491		
											$ 66,093,563		
				Vancouver Landfill. Total Cost /Tonne		511,811					**$129.14**		
	B	**Burnaby Waste to Energy (WTEF)**				Tonnes		$ / tonne			$ Total		
		1	Metro R&WC Operating Cost to WTEF Transfer			82,597		$68.03			$ 5,618,800		
		2	Metro R&WC Transfer Cost to WTEF Transfer			82,597		$12.47			1,029,578		(avg Rate to outbound flows)
		3	WTEF Operating Cost, net Electrcity, Metal Rev.			236,278		$87.86			20,758,674		
		4	WTEF Annual Debt Expenditure			236,278		$4.32			1,021,203		
			(total SW Services Debt Cost $10,544,859 , 9.7% WTEF)										
											$ 28,428,254		

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Waste-to-Energy. Total Cost /Tonne	236,278		**$120.32**	
C **Contingency Out-of-Region Alternative**	Tonnes	$ / tonne	$ Total	
1 Metro R&WC Operating Cost (incl. Admin)	100,584	$68.03	$ 6,842,425	
2 Contingency Transfer & Disposal Cost	100,584	$170.45	17,144,090	
3 R&WC Handling Cost	100,584	$4.36	438,547	
4 Metro Labour Expense Allocation	100,584	$6.48	652,279	
			$ 25,077,341	Total Disposal Cost
				Garbage-Only Outbound
Contingency Disposal , Total Cost /Tonne	100,584		**$249.32**	

Metro Solid Waste Services,

2021 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

A **Vancouver Landfill (VLF, Burns Bog)**	Tonnes	$ / tonne	$ Total
1 Metro R&WC Operating Cost of VLF Transfer	482,872	45.53	$ 21,984,966
2 Vancouver Landfill Transfer Cost	482,872	12.96	6,258,026
Landfill Total Operating Cost, net		36.47	
Metro Total Delta Royalty		s.17, s.21	
Metro Landfill Program Labour Expense Allocation			
Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne		10.00	
3 Vancouver Landfill Disposal Cost	706,498	50.48	35,667,495
			$ 63,910,486
Vancouver Landfill. Total Cost /Tonne	706,498		**$90.46**
B **Burnaby Waste to Energy (WTEF)**	Tonnes	$ / tonne	$ Total
1 Metro R&WC Operating Cost of WTEF Transfer	110,822	45.53	$ 5,045,659
2 WTEF Transfer Cost	110,822	9.48	1,050,930
3 WTEF Disposal Cost, net	241,530	67.57	16,320,170
4 WTEF Annual Debt Expenditure	241,530	2.41	582,695
			$ 22,999,454
Waste-to-Energy. Total Cost /Tonne	241,530		**$95.22**
C **Contingency Out-of-Region Alternative**	Tonnes	$ / tonne	$ Total
1 Metro R&WC Operating Cost of Contingency Transfer	63,974	45.53	$ 2,912,698
2 Contingency Transfer & Disposal Cost	63,974	140.11	8,963,419
3 Contingency Handling Cost	63,974	2.81	179,766
4 Metro Labour Expense Allocation	63,974	0.96	61,415
			$ 12,117,298

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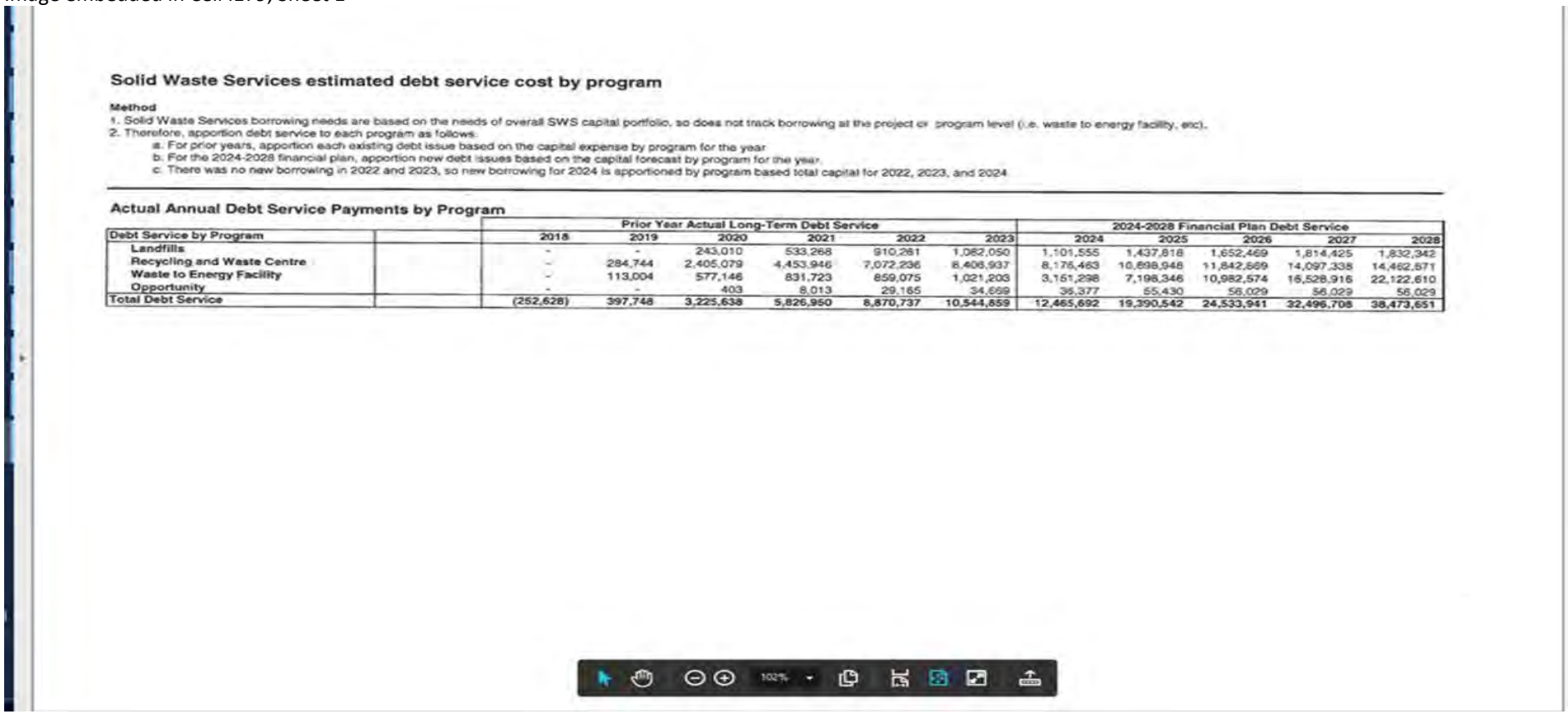
				Contingency Disposal , Total Cost /Tonne		63,974				**$189.41**				

Image embedded in Cell I179, Sheet 1



Solid Waste Services estimated debt service cost by program

Method

1. Solid Waste Services borrowing needs are based on the needs of overall SWS capital portfolio, so does not track borrowing at the project or program level (i.e. waste to energy facility, etc).
2. Therefore, apportion debt service to each program as follows:
   a. For prior years, apportion each existing debt issue based on the capital expense by program for the year
   b. For the 2024-2028 financial plan, apportion new debt issues based on the capital forecast by program for the year.
   c. There was no new borrowing in 2022 and 2023, so new borrowing for 2024 is apportioned by program based total capital for 2022, 2023, and 2024

Actual Annual Debt Service Payments by Program

		Prior Year Actual Long-Term Debt Service						2024-2028 Financial Plan Debt Service				
Debt Service by Program		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Landfills		-	-	243,010	533,268	910,261	1,082,050	1,101,555	1,437,818	1,652,469	1,814,425	1,832,342
Recycling and Waste Centre		-	284,744	2,405,079	4,453,946	7,072,236	8,406,937	8,176,463	10,698,948	11,842,669	14,097,338	14,462,671
Waste to Energy Facility		-	113,004	577,146	831,723	859,075	1,021,203	3,151,298	7,198,346	10,982,574	16,528,916	22,122,610
Opportunity		-	-	403	8,013	29,165	34,669	36,377	55,430	56,029	56,029	56,029
Total Debt Service		(252,628)	397,748	3,225,638	5,826,950	8,870,737	10,544,859	12,465,692	19,390,542	24,533,941	32,496,708	38,473,651

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As of: Dec 31, 2024										
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Location	**Account**	**Account Description**				**Current Month**				
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EXPENDITURES								Sundry		
	9998	Error to Suspense Inventory	-	0	(0)		(0)			
	Other Expenses		**-**	**0**	**(0)**		**(0)**			
-			-	**0**	**(0)**		**(0)**	REVENUES		
	8203	Contract Services	829,278	1,289,716	(460,438)		10,924,942			
	Consulting, Contracted and Professional S		**829,278**	**1,289,716**	**(460,438)**		**10,924,942**			
	8125	Insurance	9,236	4,060	5,176		105,666			
	Asset Purchase and Maintenance		**9,236**	**4,060**	**5,176**		**105,666**			
	8443	Materials and Supplies	-	-	-		-			
	Materials and Supplies		**-**	**-**	**-**		**-**			
	8701	Permits	-	-	-		9,722			
	8702	Municipal Utility - Water and Se	-	14,757	(14,757)		103,168			
	8704	Electricity	-	165	(165)		383			
	Utilities Permits and Taxes		**-**	**14,922**	**(14,922)**		**113,273**			
	8552	Bank Service Charges	8,337	23,730	(15,393)		148,771			
	Other Expenses		**8,337**	**23,730**	**(15,393)**		**148,771**			
4054-Solid Waste United Boulevard			**846,851**	**1,332,428**	**(485,577)**		**11,292,652**	**(523,410)**	**10,769,243**	
	8203	Contract Services	179,168	261,084	(81,916)		1,597,591			
	Consulting, Contracted and Professional S		**179,168**	**261,084**	**(81,916)**		**1,597,591**			
	8125	Insurance	363	206	157		5,352			
	Asset Purchase and Maintenance		**363**	**206**	**157**		**5,352**			
	8552	Bank Service Charges	2,500	4,921	(2,421)		32,720			
	Other Expenses		**2,500**	**4,921**	**(2,421)**		**32,720**			
4056-Solid Waste Langley			**182,031**	**266,211**	**(84,180)**		**1,635,663**	**(166,024)**	**1,469,639**	
	8203	Contract Services	185,650	250,606	(64,956)		1,715,316			

Metro Vancouver										
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			Budget	Actuals	Variance	View				
Location	Account	Account Description				Current Month				
	Consulting, Contracted and Professional S		**185,650**	**250,606**	**(64,956)**		**1,715,316**			
	8125	Insurance	1,321	579	742		15,059			
	Asset Purchase and Maintenance		**1,321**	**579**	**742**		**15,059**			
	8706	Property Taxes	-	-	-		699			
	Utilities Permits and Taxes		**-**	**-**	**-**		**699**			
	8552	Bank Service Charges	2,913	6,574	(3,661)		41,194			
	Other Expenses		**2,913**	**6,574**	**(3,661)**		**41,194**			
4057-Solid Waste Maple Ridge			**189,884**	**257,758**	**(67,874)**		**1,772,268**	(5,063)	**1,767,205**	
	8201	Legal	-	-	-		16,765			
	8203	Contract Services	6,000	754	5,246		8,148			
	Consulting, Contracted and Professional S		**6,000**	**754**	**5,246**		**24,913**			
	8443	Materials and Supplies	-	-	-		15			
	Materials and Supplies		**-**	**-**	**-**		**15**			
	8704	Electricity	-	72	(72)		320			
	8706	Property Taxes	-	-	-		210			
	Utilities Permits and Taxes		**-**	**72**	**(72)**		**531**			
4058-Solid Waste Matsqui			**6,000**	**825**	**5,175**		**25,459**	-	**25,459**	
	8203	Contract Services	1,031,021	2,224,208	(1,193,187)		15,170,612			
	Consulting, Contracted and Professional S		**1,031,021**	**2,224,208**	**(1,193,187)**		**15,170,612**			
	8125	Insurance	2,290	1,007	1,283		26,207			
	Asset Purchase and Maintenance		**2,290**	**1,007**	**1,283**		**26,207**			
	8703	Natural Gas	-	67	(67)		765			
	8706	Property Taxes	-	-	-		3,811			
	Utilities Permits and Taxes		**-**	**67**	**(67)**		**4,577**			
	8547	Land and Building Lease Renta	18,161	-	18,161		-			
	8552	Bank Service Charges	9,163	21,452	(12,289)		140,637			
	8580	Site Security	-	6	(6)		1,020			
	Other Expenses		**27,324**	**21,459**	**5,865**		**141,658**			
4060-Solid Waste North Shore			**1,060,635**	**2,246,740**	**(1,186,105)**		**15,343,054**	(961,470)	**14,381,584**	
	8203	Contract Services	707,533	354,050	353,483		9,938,295			
	Consulting, Contracted and Professional S		**707,533**	**354,050**	**353,483**		**9,938,295**			
	8125	Insurance	7,128	3,135	3,993		81,583			
	Asset Purchase and Maintenance		**7,128**	**3,135**	**3,993**		**81,583**			

Metro Vancouver										
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			Budget	**Actuals**	**Variance**	**View**				
Location	**Account**	**Account Description**				**Current Month**				
	8469	Inventory Waste	-	359	(359)		359			
	Materials and Supplies		**-**	**359**	**(359)**		**359**			
	8706	Property Taxes	-	-	-		540			
	Utilities Permits and Taxes		**-**	**-**	**-**		**540**			
	8546	Other Services	-	-	-		326			
	8552	Bank Service Charges	9,295	16,732	(7,437)		118,215			
	Other Expenses		**9,295**	**16,732**	**(7,437)**		**118,541**			
4062-Solid Waste North Surrey			**723,956**	**374,276**	**349,680**		**10,139,319**	**(204,885)**	**9,934,434**	
	8203	Contract Services	287,186	1,952,838	(1,665,652)		3,745,022			
	8221	Appraisal Costs	-	-	-		-			
	Consulting, Contracted and Professional S		**287,186**	**1,952,838**	**(1,665,652)**		**3,745,022**			
4063-Solid Waste Vancouver			**287,186**	**1,952,838**	**(1,665,652)**		**3,745,022**			
	8203	Contract Services	317,590	429,367	(111,777)		3,559,674			
	Consulting, Contracted and Professional S		**317,590**	**429,367**	**(111,777)**		**3,559,674**			
	8125	Insurance	2,913	-	2,913		-			
	Asset Purchase and Maintenance		**2,913**	**-**	**2,913**		**-**			
	8552	Bank Service Charges	2,500	5,912	(3,412)		32,917			
	Other Expenses		**2,500**	**5,912**	**(3,412)**		**32,917**			
4065-Solid Waste Central Surrey			**323,003**	**435,279**	**(112,276)**		**3,592,591**	**(133,647)**	**3,458,944**	
	8203	Contract Services	-	12,622	(12,622)		48,398			
	Consulting, Contracted and Professional S		**-**	**12,622**	**(12,622)**		**48,398**			
	8443	Materials and Supplies	-	606	(606)		606			
	Materials and Supplies		**-**	**606**	**(606)**		**606**			
	8546	Other Services	-	-	-		4,608			
	8552	Bank Service Charges	-	37	(37)		819			
	Other Expenses		**-**	**37**	**(37)**		**5,427**			
9999-Not Applicable / General			**-**	**13,265**	**(13,265)**		**54,430**	**(614)**	**53,816**	
	Total Expenditures		**3,619,546**	**6,879,620**	**(3,260,074)**		**47,600,458**	**(1,995,113)**	**41,860,323**	
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			Current Month Budget	Current Month Actuals	Current Month Variance	Expand to View	YTD Actuals		
Location	Account	Account Description				Current Month			
					Net R&WC 2024 Total Expenditure		43,855,436		
<acctcat2_desc>									
REVENUES									
	7100	User Fees	1,176,652	(11,037,399)	(12,214,051)		13,217,780		
	7105	Generator Levy	962,424	16,860,558	15,898,134		16,860,558		
	User fees recoveries and other		**2,139,076**	**5,823,159**	**3,684,083**		**30,078,337**		
	7500	Sundry	62,562	141,408	78,846		498,410		
	7651	Commercial Rentals, Land and	-	25,000	25,000		25,000		
	Other External Revenue		**62,562**	**166,408**	**103,846**		**523,410**		
	7403	Surplus or Deficit to Next Year	(16,257,345)	-	16,257,345		-		
	Other Funds Reserves Surplus		**(16,257,345)**	**-**	**16,257,345**		**-**		
4054-Solid Waste United Boulevard			**(14,055,707)**	**5,989,567**	**20,045,274**		**30,601,747**		
	7100	User Fees	106,135	(335,304)	(441,439)		1,500,430		
	7105	Generator Levy	34,553	474,314	439,761		474,314		
	User fees recoveries and other		**140,688**	**139,010**	**(1,678)**		**1,974,744**		
	7500	Sundry	9,638	20,049	10,411		166,024		
	Other External Revenue		**9,638**	**20,049**	**10,411**		**166,024**		
	7403	Surplus or Deficit to Next Year	380,482	-	(380,482)		-		
	Other Funds Reserves Surplus		**380,482**	**-**	**(380,482)**		**-**		
4056-Solid Waste Langley			**530,808**	**159,058**	**(371,750)**		**2,140,768**		
	7100	User Fees	145,866	(401,788)	(547,654)		2,081,947		
	7105	Generator Levy	49,353	591,006	541,653		591,006		
	User fees recoveries and other		**195,219**	**189,217**	**(6,002)**		**2,672,953**		
	7651	Commercial Rentals, Land and	4,235	5,063	828		5,063		
	Other External Revenue		**4,235**	**5,063**	**828**		**5,063**		
	7403	Surplus or Deficit to Next Year	(114,884)	-	114,884		-		
	Other Funds Reserves Surplus		**(114,884)**	**-**	**114,884**		**-**		
4057-Solid Waste Maple Ridge			**84,570**	**194,280**	**109,710**		**2,678,016**		
	7100	User Fees	-	-	-		(2,333)		
	User fees recoveries and other		**-**	**-**	**-**		**(2,333)**		
	7403	Surplus or Deficit to Next Year	72,000	-	(72,000)		-		

Metro Vancouver									
Business Unit Report by Location									
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Solid Waste Transfer Station System									
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SA06341									
As of: Dec 31, 2024									
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			Current Month	Current Month	Current Month	Expand to	YTD Actuals		
			Budget	Actuals	Variance	View			
Location	Account	Account Description				Current Month			
	Other Funds Reserves Surplus		72,000	-	(72,000)		-		
4058-Solid Waste Matsqui			72,000	-	(72,000)		(2,333)		
	7100	User Fees	1,119,249	(4,351,636)	(5,470,885)		12,734,404		
	7105	Generator Levy	592,260	7,862,257	7,269,997		7,862,257		
	User fees recoveries and other		1,711,509	3,510,621	1,799,112		20,596,662		
	7500	Sundry	60,003	160,587	100,584		945,470		
	7651	Commercial Rentals, Land and	-	-	-		16,000		
	Other External Revenue		60,003	160,587	100,584		961,470		
	7403	Surplus or Deficit to Next Year	(8,530,414)	-	8,530,414		-		
	Other Funds Reserves Surplus		(8,530,414)	-	8,530,414		-		
4060-Solid Waste North Shore			(6,758,902)	3,671,209	10,430,111		21,558,132		
	7100	User Fees	1,295,937	(10,057,666)	(11,353,603)		12,764,503		
	7105	Generator Levy	1,135,166	14,960,283	13,825,117		14,960,283		
	User fees recoveries and other		2,431,103	4,902,618	2,471,515		27,724,786		
	7500	Sundry	17,337	42,519	25,182		151,552		
	7651	Commercial Rentals, Land and	413	2,500	2,087		53,333		
	Other External Revenue		17,750	45,019	27,269		204,885		
	7403	Surplus or Deficit to Next Year	(20,698,533)	-	20,698,533		-		
	Other Funds Reserves Surplus		(20,698,533)	-	20,698,533		-		
4062-Solid Waste North Surrey			(18,249,680)	4,947,637	23,197,317		27,929,671		
	7100	User Fees	455,557	1,520,512	1,064,955		5,906,452		
	User fees recoveries and other		455,557	1,520,512	1,064,955		5,906,452		
	7500	Sundry	-	-	-		-		
	Other External Revenue		-	-	-		-		
	7403	Surplus or Deficit to Next Year	(2,020,397)	-	2,020,397		-		
	Other Funds Reserves Surplus		(2,020,397)	-	2,020,397		-		
4063-Solid Waste Vancouver			(1,564,840)	1,520,512	3,085,352		5,906,452		
	7100	User Fees	281,702	(422,808)	(704,510)		1,740,028		
	7105	Generator Levy	123,388	623,602	500,214		623,602		
	User fees recoveries and other		405,090	200,794	(204,296)		2,363,630		
	7500	Sundry	23,288	44,247	20,959		133,647		
	Other External Revenue		23,288	44,247	20,959		133,647		
	7403	Surplus or Deficit to Next Year	(1,264,533)	-	1,264,533		-		

Metro Vancouver									
Business Unit Report by Location									
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As of: Dec 31, 2024									
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			Budget	**Actuals**	**Variance**	**View**			
Location	**Account**	**Account Description**				**Current Month**			
	Other Funds Reserves Surplus		**(1,264,533)**	**-**	**1,264,533**		**-**		
4065-Solid Waste Central Surrey			**(836,155)**	**245,041**	**1,081,196**		**2,497,276**		
	7100	User Fees	-	(4,118,742)	(4,118,742)		22,849,244		
	User fees recoveries and other		**-**	**(4,118,742)**	**(4,118,742)**		**22,849,244**		
	7500	Sundry	-	23	23		614		
	Other External Revenue		**-**	**23**	**23**		**614**		
	7400	Contribution from Reserve	-	5,326,757	5,326,757		5,326,757		
	Other Funds Reserves Surplus		**-**	**5,326,757**	**5,326,757**		**5,326,757**		
9999-Not Applicable / General			**-**	**1,208,038**	**1,208,038**		**28,176,615**		
	Total Revenues		**(40,777,906)**	**17,935,341**	**58,713,247**		**121,486,344**		
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Metro Vancouver							
Program Report - Actuals by Business Unit							
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Solid Waste-Transfer Station System							
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As of: Dec 31, 2024							
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	Account	**YTD Actuals**		**SA06340 Solid Waste Transfer Station System Administration**	**SA06341 Solid Waste Transfer Station System**	**SA06342 Solid Waste Transfer Station System Dedicated Recycling**	**SA06343 Solid Waste Transfer Station System Maintenance**
EXPENDITURES							
Labour Costs	8600	2,641,031		2,641,031	-	-	-
Labour Premium Time	8601	29,132		29,132	-	-	-
Temporary Help	8621	1,493		1,493	-	-	-
Salaries and Benefits		2,671,655		2,671,655	-	-	-
Consultants General	8150	351,015		351,015	-	-	-
Accounting and Audit	8200	-		-	-	-	-
Legal	8201	57,712		40,947	16,765	-	-
Contract Services	8203	48,735,083		2,026,823	46,707,999	262	-
Appraisal Costs	8221	-		-	-	-	-
Consulting, Contracted and Professional Services		49,143,809		2,418,784	46,724,763	262	-
Furniture Fixture Equipment Purchases	8061	-		-	-	-	-
Computer Equipment Purchases	8062	57		57	-	-	-
Software Product Purchases	8063	-		-	-	-	-
Software License Purchase Renewal	8064	1,459		1,459	-	-	-
Equipment Replacement Provision	8071	-		-	-	-	-
Insurance	8125	270,838		36,971	233,867	-	-
Asset Purchase and Maintenance		272,354		38,487	233,867	-	-
Postage And Courier	8440	-		-	-	-	-

Program Report - Actuals by Business Unit						
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Solid Waste-Transfer Station System						
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As of: Dec 31, 2024						
	<repdate>					
	Account	YTD Actuals	SA06340 Solid Waste Transfer Station System Administration	SA06341 Solid Waste Transfer Station System	SA06342 Solid Waste Transfer Station System Dedicated Recycling	SA06343 Solid Waste Transfer Station System Maintenance
Materials and Supplies	8443	8,621	8,000	621	-	-
Uniforms	8445	265	265	-	-	-
Safety Equipment Supplies	8451	1,158	1,158	-	-	-
Inventory Waste	8469	359	-	359	-	-
Materials and Supplies		10,403	9,423	980	-	-
Permits	8701	9,722	-	9,722	-	-
Municipal Utility - Water and Sewer	8702	103,168	-	103,168	-	-
Natural Gas	8703	765	-	765	-	-
Electricity	8704	704	-	704	-	-
Property Taxes	8706	5,260	-	5,260	-	-
Telephone	8731	8,893	8,893	-	-	-
Utilities Permits and Taxes		128,513	8,893	119,620	-	-
		-	-	-	-	-
Corporate Services		-	-	-	-	-
Maintenance Allocation	8430	-	-	-	-	-
Services Provided Internally		-	-	-	-	-
		-	-	-	-	-
Contribution to Reserve Funds		-	-	-	-	-
Employee Milestone and Recognition	8500	312	312	-	-	-
Travel / Training / Conferences	8504	12,722	12,722	-	-	-
Membership Fees	8505	7,493	7,493	-	-	-
Mileage Parking Transit	8508	2,708	2,708	-	-	-
Air Travel	8509	1,524	1,524	-	-	-
Vehicle Allocation	8542	20,555	20,555	-	-	-
Other Services	8546	862,537	857,603	4,935	-	-
Land and Building Lease Rental	8547	-	-	-	-	-
Other Rental	8548	-	-	-	-	-
Bank Service Charges	8552	516,060	787	515,273	-	-
Catering	8559	9,426	9,426	-	-	-
Advertising	8570	-	-	-	-	-
Provision For Doubtful Account	8575	-	-	-	-	-
Site Security	8580	1,020	-	1,020	-	-

Program Report - Actuals by Business Unit						
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As of: Dec 31, 2024						
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	Account	YTD Actuals	SA06340 Solid Waste Transfer Station System Administration	SA06341 Solid Waste Transfer Station System	SA06342 Solid Waste Transfer Station System Dedicated Recycling	SA06343 Solid Waste Transfer Station System Maintenance
Return to Work Expenses	8595	182	182	-	-	-
Error to Suspense Inventory	9998	(0)	-	(0)	-	-
Other Expenses		1,434,540	913,311	521,228	-	-
		-	-	-	-	-
Capital Budgets		-	-	-	-	-
Subtotal Expenditures		53,661,274	6,060,554	47,600,458	262	-
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Subtotal Expenditures		$sum	$sum	$sum	$sum	$sum
Debt Charges		-	-	-	-	-
Total Expenditures		53,661,274	6,060,554	47,600,458	262	-
REVENUES						
		-	-	-	-	-
Allocated to Functional Depts		-	-	-	-	-
		-	-	-	-	-
Transfer from Capital		-	-	-	-	-
		-	-	-	-	-
GVRD Municipal Levy		-	-	-	-	-
		-	-	-	-	-
GVS and DD Levy		-	-	-	-	-
		-	-	-	-	-
Electoral Areas Levy		-	-	-	-	-
User Fees	7100	72,792,455	-	72,792,455	-	-
Generator Levy	7105	41,372,019	-	41,372,019	-	-
User fees recoveries and other		114,164,474	-	114,164,474	-	-
		-	-	-	-	-
Water Sales Revenue		-	-	-	-	-
		-	-	-	-	-
Transfer from DCC Reserves		-	-	-	-	-

Program Report - Actuals by Business Unit						
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Solid Waste-Transfer Station System						
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As of: Dec 31, 2024						
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	Account	**YTD Actuals**	**SA06340 Solid Waste Transfer Station System Administration**	**SA06341 Solid Waste Transfer Station System**	**SA06342 Solid Waste Transfer Station System Dedicated Recycling**	**SA06343 Solid Waste Transfer Station System Maintenance**
		-	-	-	-	-
BOD/TSS Industrial Charges		-	-	-	-	-
Sundry	7500	2,865,872	961,860	1,895,716	8,296	-
Commercial Rentals, Land and Building Lease	7651	99,396	-	99,396	-	-
Other External Revenue		2,965,269	961,860	1,995,113	8,296	-
Contribution from Reserve	7400	5,326,757	-	5,326,757	-	-
Surplus or Deficit to Next Year	7403	-	-	-	-	-
Other Funds Reserves Surplus		5,326,757	-	5,326,757	-	-
Total Revenues		122,456,501	961,860	121,486,344	8,296	-
<acc_rep>		$sum	$sum	$sum	$sum	$sum
Total Revenues		$sum	$sum	$sum	$sum	$sum
Date Run: 08/18/2025			5,098,694			
			net			

Metro SW Services, Operations

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

1 WASTE FLOWS (tonnes)

						Total Tonnes		Garbage-Only Tonnes		Resource Recovery Tonnes	
A	**INBOUND Regional Direct Haul**										
	1	Metro Recycling & Waste Centre									
			United Blvd,			270,156.097		263,386.613		6,769.484	
			Langley			10,619.070		7,411.175		3,207.895	
			Maple Ridge			11,958.798		9,234.463		2,724.335	
			North Shore			167,098.207		122,856.128		44,242.079	
			Central Surrey			11,919.785		10,072.299		1,847.486	
			North Surrey			239,247.660		235,044.335		4,203.325	
		Metro Recycling & Waste Centres			Direct Haul	710,999.617		648,005.013		62,994.604	
											total Metro Garbage-Only
	2	Metro to WTEF Garbage Only			Direct Haul	140,704.846		140,704.846			788,709.859
	3	Other to WTEF incl Special Waste			Direct Haul	18,268.293		18,268.293			
						158,973.139		158,973.139			
						869,972.756		806,978.152			
	4	Metro to VSTS to VLF Garbage Only			Direct Haul	42,701.830		42,701.830			total VLF/VSTS Garbage-Only
	5	Metro to VLF Garbage Only			Direct Haul	61,133.590		61,133.590			260,532.10
								103,835.420			
			Total Metro Waste tonnes			973,808.176		910,813.572		62,994.604	
	6	Vancouver/Delta (VSTS) Garbage Only			Direct Haul	97,311.719		97,311.719			total Garbage-Only
		Vancouver/Delta (VLF) Garbage Only				59,384.960		59,384.960			1,049,241.96
	7	VLF Other (btm ash, Demo, Residuals,			Direct Haul	67,005.671		67,005.671			
			Total Regional Waste Tonnes Direct Haul			1,197,510.526		1,134,515.922		62,994.604	
B	**OUTBOUND DISPOSAL SITE - METRO Garbage-Only**										
	1	Vancouver Landfill (VLF)									
			Metro - Direct Haul + VSTS					42,701.830			
			Metro - VLF Direct Haul					61,133.590			
			Metro VLF Transfer, Garbage Only				1	405,659.626			
								466,793.216			
					Total Metro Garbage-Only Waste, Direct Haul VSTS/VLF + VLF Transfer		7	509,495.046			
			Delta/Van - Direct Haul VLF + VSTS					156,696.679			
					Total VLF Garbage Only			666,191.725			
			VLF Other (Btm ash, Demo, Residuals,					67,005.671			
						Total VLF		733,197.396			
	2	Waste to Energy Facility									
			Direct Haul Garbage Only		R&WC Transfer			140,704.846			
			Metro Recycling & Waste Centre (R&WC) Transfer				8	84,195.767			
								224,900.613			
			Direct Haul Other incl Special Waste					18,268.293			
						Total WTEF	10	243,168.906			
	3	Hauling to Contingency Cost		Metro R&WC	To			Tonnes			
					CAMP			80,718.506			
					SEAIY			12,246.371			

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				SUNRLF				58,574.391	
4	Alternate Site (Contingency)			R&WC Transfer		Total Contingency	15	**151,539.268**	
5	Net Inbound Year-end Inventory					In-Out Balance Entry - No Disposal		6,610.353	
						Total Metro Disposal Tonnes		1,134,515.923	

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

2 Metro COST $/Tonne

1	Hauling to WTEF - Garbage Cost			Rate/t		Avg Rate/t		Hauling Cost $	Total Tonnes
		United Blvd,		s.17, s.21				s.17, s.21	42,972
		North Shore							10,837
		Central Surrey							
		North Surrey							30,330
		Scale recon outboud site to inbound disposal							-
		WTEF Transfer Cost/t - Average				$14.19	9	1,193,880	84,139
									(56.6300) in out site/ WTEF scale var.
2	Hauling to VLF - Garbage Cost			Rate/t		Avg Rate/t		Hauling Cost $	Total Tonnes
	Recycling & Waste Reduction Centre								
		United Blvd,		s.17, s.21				s.17, s.21	133,898
		Langley							6,827
		Maple Ridge							8,804
		North Shore							98,921
		Central Surrey							10,054
		North Surrey							147,154
		VLF Transfer Cost /t Average Rate				$19.18	3	7,778,868	405,660
3	Hauling Contingency Cost		From	To		Tonnes			
			United Blvd.			84,113.62		$ 382,716.96	
			N. Surrey			57,042.82		$ 259,544.81	
			N. Shore			10,382.84		$ 47,241.90	
	Contingency Total Handling Cost R&WC Cost /T			$4.55	17	151,539.27		$ 689,503.67	689,504
4	Metro Landfill Program Administration Labour Expense Allocation								
	LF Program - VLF Burns Bog Disposal Share		62.5%	$277,997			6	$ 173,617	
	SA06361 SW Landfills Prgrm. ($37,012,103/$59,264,005)								
5	Metro - Delta Royalty Cost - Garbage-Only Waste to VLF								Tonnes
	Sec 6.2	Western Royalty		s.17, s.21				s.17, s.21	100,577
	Sec 6.3	Eastern Royalty (exlc Btm Ash)							454,822
		Total Delta Royalty Cost/t				$4.80	5	$ 2,666,147	555,400
						avg.rate			
6	Metro Annual VLF Closure/Post Closure Reserve Allocation								
		NPV Estimate per Annual Disposal Cost/t				**$10.00**		$ 5,553,998	555,400

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

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3 Regional FACILITY COST $/Tonne

| | | |

Municipal Garbage	2,813	8,681,080	Regular Waste
Noxious Weed (Muni Rate)	1	430	Regular Waste
Out of Region Special Handle Waste	7	37,180	SHW
Pharmaceuticals	1	5,210	SHW
Pocket Coil Mattresses	7	26,800	Discounted rate
Police Loads	95	98,360	SHW
Sludge Screenings	734	5,921,260	Regular Waste
Special Handling Waste	631	2,308,995	SHW
Toxic & Noxious Weeds	1	460	Regular waste
Grand Total	37,636	243,168,904	

				Total		11,410.863	SHW				
					Net Operating Cost		$104.32	11	$	25,366,858	
2	Generator Repair										
	a	SA06356 - Total Solid Waste Waste to Energy Generator Repair Cost					$16.21	12		3,940,867	
		Turbine Insurance Claims - Business Interruption and Property									
		7500	Business Interruption for SWS turbine							(5,015,317)	
		7500	Property Insurance for SWS turbine							(2,902,474)	
					Total Turbine Insurance Claims		($32.56)	9	$	(7,917,791)	
					Net Generator Repair		($16.35)		$	(3,976,924)	
3	SW Services Annual Debt Expenditure Allocation										
			WTEF Debt Share	25.3%	$	10,637,452	$11.06	14	$	2,689,123	
			WTEF shr Budget 24 (3,151,298/12,465,602)		2024 Actual Debt Service						
	Burnaby WTEF Facility Cost/Tonne						**$99.02**		$	24,079,057	10 243,169
E	Contingency Hauling & Disposal - Unit Cost Blended Rate										
							Loads		Per Brent K.		
	GFL								s.17, s.21		
	Republic	(REPGRN)	2023 Total Costs w/radiation; w/WA State Tax (Cdn)								
	Waste Mgmt.	(WMCOWD)									
									Blended Rate		
	Total Hauling/Disposal Cost/Tonne CND $							16	$171.34		

Metro Solid Waste Services,

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2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

		Tonnes		$ / Tonne		$ Total	
A.	**Vancouver Landfill (VLF, Burns Bog)**						
1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)	405,660	1	$67.54	2	$ 27,397,231	Metro Trsf. excl. Direct Haul
2	Metro R&WC Vancouver Landfill Transfer Cost, **Transfer Tonnes**	405,660		$19.18	3	7,780,552	Metro Trsf. excl. Direct Haul
3	Vancouver Landfill Disposal Cost						
	Landfill Total Operating Cost, net			$49.24	4		
	Metro Total Delta Royalty - Blended Rate			s.17, s.21	5		
	Landfill Program Administration Labour Expense Allocation 62.45% * $277,997				6		
	Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne, Estimate			$15.00			
	Total Metro Garbage-Only Waste, **VLF Direct Haul + Transfer tonnes**	509,495	7	$69.38		35,349,364	
						$ 70,527,146	
	Vancouver Landfill, Total Cost /Tonne	509,495				**$138.43**	
B.	**Burnaby Waste to Energy (WTEF)**	Tonnes		$ / Tonne		$ Total	
1	Metro R&WC Operating Cost to WTEF Transfer Tonnes	84,196	8	$67.54	2	$ 5,686,370	
2	Metro R&WC Transfer Cost to WTEF Transfer Tonnes	84,196		$14.19	9	1,194,684	(avg Rate to outbound flows)
3	WTEF Operating Cost, Net						Ppd. by: SW Services, Operations 2/27/2026 2:34 PM

			a	Operating Cost							30,432,853		
			b	Administration Cost							494,971		
				Total Cost							30,927,824		
			c	Revenue - Electricity Sales							(3,649,146)		
			d	Revenue - Metal Sales, Ferrous and Non-ferrous							(291,477)		
			e	Revenue - Special Handled Waste Tipping Fee Increment							(1,620,343)		
				Total Revenue							(5,560,966)		
				Total Burnaby WTEF Operating Cost, Net		243,169	10	$104.32	11		25,366,858		
			f	Generator Repair Cost		243,169		$16.21	12		3,940,867		
			g	Turbine Insurance Claim - Business Interruption							(5,015,317)		
			h	Turbine Insurance Claim - Property							(2,902,474)		
				Total Generator Repair Insurance Claims		243,169		($32.56)	13		(7,917,791)		
			i	Annual Debt Service Allocation'	25.3%	$ 10,637,452	14	$11.06			2,689,123		
				WTEF shr Budget 24 (3,151,298/12,465,602)									
				Total WTEF Operating , Net Cost/Tonne		243,169		$99.02			24,079,057		
		4	Total WTEF Disposal Cost								$ 30,960,112		
				Waste-to-Energy, Total Cost /Tonne		243,169					**$127.32**		
	C.	Contingency Out-of-Region Alternative				Tonnes		$ / Tonne			$ Total		
		1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)			151,539	15	$67.54	2		$ 10,234,581		
		2	Contingency Transfer & Disposal Cost			151,539		$171.34	16		25,964,738		
		3	Metro R&WC Handling Cost			151,539		$4.55	17		689,504		
				Total Contingency Disposal Cost							$ 36,888,823		
				Contingency, Total Cost /Tonne		151,539					**$243.43**		
								Ref. No. to Backup Data					

Metro Solid Waste Services,

2023 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

	A	**Vancouver Landfill (VLF, Burns Bog)**				Tonnes		$ / tonne			$ Total		
		1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)			411,890		$68.03			$ 28,019,589	Metro Trsf. excl. Direct Haul	
		2	Vancouver Landfill Transfer Cost			411,890		$17.45			7,187,483	Metro Trsf. excl. Direct Haul	
		3	Vancouver Landfill Disposal Cost										
			Landfill Total Operating Cost, net					$40.94					
			Metro Total Delta Royalty					s.17, s.21					
			Metro Landfill Program Administration Labour Expense Allocation 77% * $250,855										
			Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne					$15.00					
			Total Metro Garbage-Only Waste, Direct Haul + Transfer			511,811		$60.35			30,886,491		
											$ 66,093,563		
			Vancouver Landfill. Total Cost /Tonne			511,811					**$129.14**		
	B	**Burnaby Waste to Energy (WTEF)**				Tonnes		$ / tonne			$ Total	Ppd. by: SW Services, Operations 2/27/2026 2:34 PM	

1	Metro R&WC Operating Cost to WTEF Transfer	82,597	$68.03	$ 5,618,800
2	Metro R&WC Transfer Cost to WTEF Transfer	82,597	$12.47	1,029,578 (avg Rate to outbound flows)
3	WTEF Operating Cost, net Electrcity, Metal Rev.	236,278	$87.86	20,758,674
4	WTEF Annual Debt Expenditure	236,278	$4.32	1,021,203
	(total SW Services Debt Cost $10,544,859 , 9.7% WTEF)			
				$ 28,428,254
	Waste-to-Energy. Total Cost /Tonne	236,278		**$120.32**

C	**Contingency Out-of-Region Alternative**	Tonnes	$ / tonne	$ Total
1	Metro R&WC Operating Cost (incl. Admin)	100,584	$68.03	$ 6,842,425
2	Contingency Transfer & Disposal Cost	100,584	$170.45	17,144,090
3	R&WC Handling Cost	100,584	$4.36	438,547
4	Metro Labour Expense Allocation	100,584	$6.48	652,279
				$ 25,077,341 Total Disposal Cost
				Garbage-Only Outbound
	Contingency Disposal , Total Cost /Tonne	100,584		**$249.32**

Metro Solid Waste Services,

2021 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

A	**Vancouver Landfill (VLF, Burns Bog)**	Tonnes	$ / tonne	$ Total
1	Metro R&WC Operating Cost of VLF Transfer	482,872	45.53	$ 21,984,966
2	Vancouver Landfill Transfer Cost	482,872	12.96	6,258,026
	Landfill Total Operating Cost, net		36.47	
	Metro Total Delta Royalty		s.17, s.21	
	Metro Landfill Program Labour Expense Allocation			
	Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne		10.00	
3	Vancouver Landfill Disposal Cost	706,498	50.48	35,667,495
				$ 63,910,486
	Vancouver Landfill. Total Cost /Tonne	706,498		**$90.46**

B	**Burnaby Waste to Energy (WTEF)**	Tonnes	$ / tonne	$ Total
1	Metro R&WC Operating Cost of WTEF Transfer	110,822	45.53	$ 5,045,659
2	WTEF Transfer Cost	110,822	9.48	1,050,930
3	WTEF Disposal Cost, net	241,530	67.57	16,320,170
4	WTEF Annual Debt Expenditure	241,530	2.41	582,695
				$ 22,999,454

Ppd. by: SW Services, Operations 2/27/2026 2:34 PM

				Waste-to-Energy. Total Cost /Tonne		241,530				**$95.22**					
	C	**Contingency Out-of-Region Alternative**				Tonnes		$ / tonne		$ Total					
		1	Metro R&WC Operating Cost of Contingency Transfer			63,974		45.53		$ 2,912,698					
		2	Contingency Transfer & Disposal Cost			63,974		140.11		8,963,419					
		3	Contingency Handling Cost			63,974		2.81		179,766					
		4	Metro Labour Expense Allocation			63,974		0.96		61,415					
										$ 12,117,298					
				Contingency Disposal , Total Cost /Tonne		63,974				**$189.41**					

Information in Cell I177

Solid Waste Services estimated debt service cost by program

Method

1. Solid Waste Services borrowing needs are based on the needs of overall SWS capital portfolio, so does not track borrowing at the project or program level (i.e. waste to energy facility, etc).
2. Therefore, apportion debt service to each program as follows:
   a. For prior years, apportion each existing debt issue based on the capital expense by program for the year.
   b. For the 2024-2028 financial plan, apportion new debt issues based on the capital forecast by program for the year.
   c. There was no new borrowing in 2022 and 2023, so new borrowing for 2024 is apportioned by program based total capital for 2022, 2023, and 2024.

Actual Annual Debt Service Payments by Program

		Prior Year Actual Long-Term Debt Service						2024-2028 Financial Plan Debt Service				
Debt Service by Program		**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**
Landfills		-	-	243,010	533,268	910,261	1,082,050	1,101,555	1,437,818	1,652,469	1,814,425	1,832,342
Recycling and Waste Centre		-	284,744	2,405,079	4,453,946	7,072,236	8,406,937	8,176,463	10,698,948	11,842,669	14,097,338	14,462,671
Waste to Energy Facility		-	113,004	577,146	831,723	859,075	1,021,203	3,151,298	7,198,346	10,982,574	16,528,916	22,122,610
Opportunity		-	-	403	8,013	29,165	34,669	36,377	55,430	56,029	56,029	56,029
Total Debt Service		**(252,628)**	**397,748**	**3,225,638**	**5,826,950**	**8,870,737**	**10,544,859**	**12,465,692**	**19,390,542**	**24,533,941**	**32,496,708**	**38,473,651**

WASTECH

Wastech Delegation to the April 2, 2026 ZWC Meeting
Executive Summary

The biggest financial risks in the SWMP are associated with infrastructure and disposal options — areas that require clear, option-level analysis of costs and risks before direction is set.

As drafted, the Plan provides assumptions, generic studies, and future technical criteria for decisions but not explicit diversion/disposal options with costs — effectively a "plan to plan" the most consequential elements.

Once approved, that direction becomes binding. To strengthen the Plan, we offer the following comments:

1) Definition of Diversion & Waste Combustion

Classifying any waste-derived fuel that offsets fossil fuels as "diversion" pre-judges' outcomes without comparing the embodied-carbon and energy savings from reuse and recycling.

2) EPR Expansion & Calorific Value

As EPR adds soft plastics, non-residential packaging, furniture, carpet, and textiles, many energy-dense materials leave the residual stream, reducing calorific value and eroding the economics for waste combustion.

3) Option Comparisons

Assigning transfer-station system costs to disposal options misstates the comparisons. Transfer stations are sunk, system-wide services established under the 1985/1995 SWMPs and are required regardless of disposal options.

4) Economies of Scale

Scale reduces unit costs. The plan makes no mention of this when comparing disposal options. With corrected analysis for sunk costs and economies of scale, WTE and contingency landfill are likely within ~20% on unit cost—and with the forecasted capital program, WTE may equal or exceed landfill costs.

We support Metro Vancouver's leadership on waste reduction and offer these comments constructively to assist the ZWC in making informed, affordable decisions for residents, industry partners, and member municipalities.

(250) 314-0252 | Wastech Services Inc. | 230 - 989 McGill Place, Kamloops, BC, V2C 6N9

Summary Presentation to the Greater Vancouver Sewage and Drainage District Board Meeting regarding the Draft Solid Waste Management Plan Update

Restaurants Fuel B.C.'s Economy

Restaurants are a vital engine of the Canadian economy and the communities they serve. Restaurants showcase our cultural diversity and give a unique identity to each community. Across the country, more than 23 million visits are made by Canadians to restaurants every day, driving $125B in national sales and more than $26B in federal, provincial and municipal taxes paid by restaurants and their employees.

Key economic facts about British Columbia's restaurant sector:

- $21.5B in sales in 2025.
- The industry purchases more than $7B in food and beverages every year.
- Directly employ nearly 190,000 people, including over 63,000 youth and generates an additional 46,000 indirect jobs in sectors including agriculture, transportation, wholesale and retail trade.
- For every $1 spent in the industry, an additional $2.25 in total economic output is generated, significantly higher than the $1.92 average across all industries.
- B.C. has the highest restaurant sales per capita in Canada at $3,777.
- **While B.C. operators have the highest annual per location sales in the country, B.C. restaurants rank sixth among the 10 provinces in profitability before income tax as a percentage of sales.**

Restaurant Industry Impact of the Draft Solid Waste Management Plan Update

80% of restaurant operators believe environmental sustainability is an important part of their success. However, Restaurants Canada has several concerns with potential impacts of the updated Solid Waste Management Plan on restaurants across all municipalities and is seeking to work with Metro Vancouver to increase solid waste diversion from landfills in a way that is realistic for restaurants.

Areas of concerns include:

- **Creating a fragmented policy environment** that does not account for complex operating environments, patchwork approach to implementation, interpretations and duplicative reporting requirements
- **Targets being considered** and set without implementation details
- Implications for restaurants related to **reusable food service ware** requirements and changes to **organic food waste** management.

Key areas of concern include:

Reusable food service ware requirements
Strategy 3.1.1. calls for advocating for the phase in of reusable food service ware requirements for non-residential sectors.

Advancing reusable dishware across Metro Vancouver would create a patchwork of municipal requirements that increases both operational complexity and costs for small businesses.

Such mandates require significant upfront investments (e.g. dishwashers, plumbing modifications, dishware procurement, and replacement costs due to loss or breakage). Restaurants operate under diverse business models, sizes, and service types, meaning a one-size-fits-all mandate does not reflect operational realities. In some restaurant formats, reuse is simply not logistically feasible, particularly where equipment investments have been made to utilize existing packaging that is provided through a global or national supply chain.

For businesses operating across multiple locations, inconsistent rules or varying definitions of reusable dishware across 21 municipalities make it difficult to maintain operational consistency. Importantly, mandating reusable dishware is not the only effective way to divert waste from landfill.

Restaurants Canada recommends that the solid waste management plan remove its advocacy for scaling up reusable dishware for dine-in service and instead work collaboratively with industry to identify alternative, practical waste-reduction solutions.

Food waste:

Restaurants Canada supports efforts to reduce food loss and waste in the foodservice sector - we are already doing this in several ways (e.g. optimizing sourcing ingredients and partnering with food rescue organizations). However, the plan to pilot and scale food waste prevention initiatives does not target the largest sources of food waste. It does not account for the significant difference between back-of-house (prep) waste, and front-of-house (guest) waste.

Restaurants' business models create built-in incentives to focus on food waste prevention in the areas they can control - during food preparation in back-of-house.

We recommend the solid waste management plan considers the realities of food loss and waste in restaurants before advocating for new initiative that layer in operational complexity and potential new costs for restaurants.

At a time when the industry is facing shrinking margins, additional costs make a difference in restaurant operators' ability to maintain jobs, hours and operations in the communities they serve.

About Restaurants Canada
Restaurants Canada is a national, not-for-profit association advancing Canada's diverse and dynamic foodservice industry. Restaurants are a $124 billion industry employing nearly 1.2 million Canadians and the number one source of first-time jobs in Canada. Based in Metro Vancouver, Cheryl Maitland Muir is our Vice President for Western Canada working on behalf of our members in B.C., Alberta and Saskatchewan. Visit restaurantscanada.org for more information.

1155 Queen Street West, Toronto, ON M6J 1J4 T: 416-923-8416 TF: 1-800-387-5649 F: 416-923-1450 E: members@restaurantscanada.org

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: Monday, April 20, 2026 4:12 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Submission - Evidentiary Basis and Policy Alignment- Draft SWMP

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Good afternoon,

Please find attached correspondence regarding the March 2026 draft Solid Waste Management Plan.

I request that this be circulated to the Metro Vancouver Board and included in the official record of the SWMP review process.

Sincerely,
Jamie Kaminski

Metro Vancouver Board and Zero Waste Committee,

Subject: Evidentiary Basis and Policy Alignment - Draft Solid Waste Management Plan

We acknowledge the significant effort undertaken to engage stakeholders in the development of the **March 2026 draft update** to the Solid Waste Management Plan. The engagement summaries reflect consistent feedback emphasizing the need for increased transparency, stronger regulatory tools, and a shift toward upstream waste reduction, reuse, and circular systems.

However, based on a review of the revised draft plan and supporting materials, it is not evident that this feedback has been reflected in substantive policy or investment shifts.

While incremental changes have been made, including refined language, additional targets, and improved reporting, the fundamental structure of the system remains largely unchanged. The plan continues to rely on existing residual waste management approaches, with limited evidence of regulatory mechanisms or policy changes that would drive meaningful upstream reduction or system transformation.

In particular, the continued inclusion of waste-to-energy incineration appears to be maintained as an assumed component of the system, rather than one that has been clearly substantiated. Engagement feedback identified the need for transparency regarding lifecycle costs, emissions, and long-term necessity, which is not clearly demonstrated in the draft plan materials.

Further clarification is required regarding how recycling, diversion, and recovery are defined and measured within the plan.

The **Zero Waste Hierarchy** distinguishes between:

- **Recycling,** where materials are mechanically recovered and returned to continuous material cycles
- **Material recovery,** where recyclable materials are separated and recovered after disposal through mechanical processes
- **Recovery pathways,** where materials are converted into fuel or other by-products, resulting in their destruction or removal from material circulation

As outlined in prior correspondence, while post-disposal material recovery may support recycling outcomes, it does not represent diversion from disposal. Similarly, recovery pathways that convert materials into fuel or energy represent a form of final disposal and should not be represented as diversion.

To ensure transparency and alignment with Zero Waste principles, these distinctions should be clearly defined and consistently reflected in performance metrics. Without this clarity, reported diversion outcomes may not accurately reflect progress toward waste reduction and circularity.

Given the consistency of feedback received, we recommend that Metro Vancouver:

- Demonstrate how engagement input has materially influenced policy direction and investment priorities
- Provide transparent, comparative analysis of residual waste management options, including lifecycle environmental and financial considerations, clearly demonstrating whether waste-to-energy is necessary within the system under projected waste reduction scenarios
- Clearly define recycling, diversion, and recovery metrics in alignment with the Zero Waste Hierarchy
- Strengthen regulatory and policy mechanisms to support upstream waste reduction, reuse, and circular outcomes

Without these elements, the plan risks reinforcing the current system rather than advancing the structural changes required to meet its stated objectives.

Sincerely,

r/(·

Jamie Kaminski
President - HSR Zero Waste

February 20th, 2026

Paul Henderson, General Manager
Solid Waste Services, Metro Vancouver
BOMA BC Response to Metro Vancouver - Draft Solid Waste Management Plan (2026)

Dear Paul:

BOMA BC supports Metro Vancouver's objectives to reduce landfill disposal, increase recycling, and improve organics diversion across the region.

The commercial real estate industry advances waste diversion through recycling and organics programs, tenant engagement, and performance benchmarking embedded in BOMA BEST standards.

BOMA BEST-certified buildings incorporate waste auditing, diversion tracking, and continuous improvement practices, demonstrating our industry's leadership, and the proactive and voluntary approach to addressing this issue. For example, 36% of BOMA BEST office buildings obtain capture rates of 80-100%. Capture rates, assessed via waste audit, provide an accurate way of measuring the efficacy of a building's waste diversion program by calculating successful diversion from landfills.

However, several elements of the draft Plan have operational implications for commercial properties:

- Increased focus on commercial organics participation and performance
- Expanded data collection, tracking, and reporting expectations
- Potential tightening of disposal enforcement through haulers and facilities

While the Plan does not directly regulate individual buildings, implementation through municipal bylaws, disposal enforcement, and hauler practices would effectively transmit new requirements to property owners. This may require new infrastructure, reconfiguration of waste rooms or loading areas, additional administrative oversight, and higher hauling costs associated with contamination or rejected loads.

Added operational costs are ultimately borne by small businesses and commercial tenants. In precarious economic times, it is critical that we use education, awareness, and industry programs such as BOMA BEST to improve waste practices, rather than added costs or burdens. BOMA BC encourages Metro Vancouver to ensure any implementation remains phased and flexible, with recognition of the physical and operational constraints of existing buildings.

Education and awareness particularly focused on tenant behaviour and contamination reduction will be critical to achieving sustained improvements in diversion rates. Experience across BOMA BEST-certified properties demonstrates that engagement and practical tools are the most effective.

We welcome collaboration to ensure regional waste reduction goals are achieved to support environmental objectives while maintaining economic competitiveness for commercial real estate.

Sincerely,



Damian Stathonikos
President
Building Owners and Managers Association of BC

From: Zach Segal <zsegal@boma.bc.ca>
Sent: Wednesday, April 22, 2026 2:32 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Meeting Request

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi there,

We've submitted feedback regarding the solid waste management plan. But we are looking to

set up a 1x1 virtual meeting with a Metro Vancouver representative leading the consultation.

It would be a better/smoother way to provide feedback.

Can you provide the name of a contact, or facilitate the meeting?

Thanks!

Zach

Zach Segal
Director of Government Relations

BOMA BC
Building Owners & Managers Association of BC

604.684.3916 ext. 225
zsegal@boma.bc.ca
2200-555 West Hastings Street, Vancouver, BC V6B 4N6
www.boma.bc.ca

From: Zach Segal <zsegal@boma.bc.ca>
Sent: Friday, May 8, 2026 12:02 PM
To: Brooke Atkinson <Brooke.Atkinson@metrovancouver.org>
Cc: Damian Stathonikos <dstathonikos@boma.bc.ca>
Subject: Metro Vancouver Solid Waste Plan Feedback

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Hi Brooke,

Nice to meet you earlier this week. As discussed, please find BOMA BC's additional feedback on the draft solid waste management plan, following our meeting.

Thanks,

Zach

Zach Segal
Director of Government Relations

BOMA BC
Building Owners & Managers Association of BC

604.684.3916 ext. 225
zsegal@boma.bc.ca
2200-555 West Hastings Street, Vancouver, BC V6B 4N6
www.boma.bc.ca

May 8th[th], 2026

Paul Henderson, General Manager
Solid Waste Services, Metro Vancouver
BOMA BC Response to Metro Vancouver - Draft Solid Waste Management Plan (2026)

Dear Paul:

On February 20th, 2026, BOMA BC submitted feedback on the Draft Solid Waste Management Plan. Following our May 4th, 2026 meeting with Metro Vancouver, we are sharing additional feedback.

BOMA BC supports Metro Vancouver's objectives to reduce landfill disposal, increase recycling, and improve organics diversion across the region. However, there are opportunities for collaboration between the commercial real estate industry and Metro Vancouver to ensure program success, and to minimize financial burden on industry.

The commercial real estate industry already advances waste diversion through recycling and organics programs, tenant engagement, and performance benchmarking embedded in BOMA BEST standards.

BOMA BEST
BOMA BEST-certified buildings incorporate waste auditing, diversion tracking, and continuous improvement practices, demonstrating our industry's leadership, and the proactive and voluntary approach to addressing this issue.

For example, 36% of BOMA BEST office buildings obtain capture rates of 80-100%. Capture rates, assessed via waste audit, provide an accurate way of measuring the efficacy of a building's waste diversion program by calculating successful diversion from landfills.

Financial Burden
While the Plan does not directly regulate individual buildings, implementation through municipal bylaws, disposal enforcement, and hauler practices would effectively transmit new requirements to property owners. This may require renovations or new operational costs and burdens which are ultimately borne by small businesses and tenants. In precarious economic times, we should use education, awareness, and industry programs to improve waste practices, rather than added costs.

BOMA BC encourages Metro Vancouver to ensure any implementation remains phased and flexible, with recognition of the physical and operational constraints of existing buildings.

Fragmented Implementation
This plan provides the vision for 21 individual municipalities to implement individually through its own plans and bylaws, potentially creating a patchwork of regulations. This makes compliance an administrative burden for building owners operating in multiple jurisdictions. Industry needs a consistent approach, and we encourage Metro Vancouver to ask the province to adopt a standardized approach to implementation.

Organic Disposal Fees
Increasing penalties on haulers to incent better behavior has inherent challenges. Building owners and property managers can't control how tenants dispose of their waste, and penalizing haulers for improper tenant disposal practices only ends up adding costs and burdens on building owners and managers. Additionally, new municipal bylaws around waste diversion may require new building infrastructure, reconfiguration of waste rooms or loading areas, additional administrative oversight, and higher hauling costs associated with contamination or rejected loads.

Data Sharing
The commercial real estate industry supports waste diversion through recycling, organics programs, tenant engagement, and BOMA BEST benchmarking. Enhanced data sharing with Metro Vancouver would improve transparency and provide consistent insight into sector performance, helping to inform more flexible, outcomes-based policy approaches as an alternative to prescriptive regulation. BOMA BC and Metro Vancouver should work collaboratively to advance practical data sharing frameworks.

Education and Awareness
We believe the solution to better waste diversion is education and awareness. Clear guidance from building owners and property managers on best practices will help tenants make better decisions, and BOMA BC is uniquely positioned to share information, convene stakeholders, and encourage proper disposal methods. We encourage Metro Vancouver to consider this tactic to increase diversion.

We welcome collaboration to ensure regional waste reduction goals are achieved to support environmental objectives while maintaining economic competitiveness for commercial real estate.

Sincerely,

Damian Stathonikos
President
Building Owners and Managers Association of BC

From: Metro Vancouver Solid Waste Management Plan Update
Sent: July 15, 2026 1:57 PM
To: Zach Segal
Subject: RE: Metro Vancouver Solid Waste Management Plan - BOMA Meeting Follow-Up

Hi Zach,

Thanks for checking in on this.

Regarding the focus area that mentions the updated space and access requirements, Metro Vancouver has a guideline set out for technical specifications for recycling and garbage amenities in multi-family and commercial developments which can be accessed on our website. Regulating the space and access requirements for multi-family and commercial buildings is out of the scope of Metro Vancouver, but we have created this guideline to help municipalities. Municipalities can consider this guideline for municipal bylaws or development permit processes.

The aim of the guidance is to make sure that **new** buildings have sufficient space for recycling and waste collection and that recycling trucks can easily access the recycling rooms to avoid costly pull out service or other challenges that buildings have when the waste utility needs are not considered. Since the original guide was created in 2015 it was flagged for review to confirm the guidance reflects current practices and needs. There is an action in the draft plan that is related to updating the guideline, pending approval of the draft plan.

Thanks for working on getting more information from BOMA Canada on data sharing, and please let us know if you are interested in a presentation on any parts of the draft plan to your members.

Thanks,

Brooke Atkinson
Senior Engagement Specialist, Community Engagement
Solid Waste Services
t. 604.218.6412

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Zach Segal <zsegal@boma.bc.ca>
Sent: Friday, July 10, 2026 11:21 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: Metro Vancouver Solid Waste Management Plan - BOMA Meeting Follow-Up

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Hi there Brooke,

Just checking in on this.

Thx!

Zach

From: Zach Segal <zsegal@boma.bc.ca>
Sent: Thursday, July 2, 2026 11:29 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: Metro Vancouver Solid Waste Management Plan - BOMA Meeting Follow-Up

Hi there Brooke,

Wanted to follow up on one additional item I noticed in the updated plan:

Increase access to organics and recycling services for multi-family residents, businesses, and institutions: Focus efforts to improve recycling in sectors with lower recycling rates such as multi-family and commercial/institutional through consideration of policy and regulatory options, tailored education tools, hauler incentives, ***and updated space and access requirements.***

This looks to be updated/new. Can you provide any background on this update/change?

We are working on getting more information from BOMA Canada on data sharing.

Thanks!

Zach

From: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Sent: Friday, June 19, 2026 1:12 PM
To: Zach Segal <zsegal@boma.bc.ca>; Damian Stathonikos <dstathonikos@boma.bc.ca>
Cc: Stephanie Liu <Stephanie.Liu@metrovancouver.org>; Terry Fulton <Terry.Fulton@metrovancouver.org>; Karen Storry <Karen.Storry@metrovancouver.org>; Chris Underwood <Chris.Underwood@metrovancouver.org>; Paul Henderson <Paul.Henderson@metrovancouver.org>
Subject: Metro Vancouver Solid Waste Management Plan - BOMA Meeting Follow-Up

Hi Zach and Damian,

I just wanted to follow up on our May 4 meeting. At that time, we offered to provide a presentation to your members on the draft solid waste management plan focusing on considerations for the commercial sector. Please let us know if you would be interested in having our staff present in the coming months. We would also be interested in continuing discussions about potentially sharing data from your BOMA Best program to contribute to improving our regional waste composition studies.

Please note we are currently in an additional comment period for the draft solid waste management plan update before we submit it to the Ministry of Environment and Parks for approval. Information on the opportunities to provide additional comments are provided below.

Let me know if you have any questions about a potential meeting or providing additional comments on the draft solid waste management plan.

Thanks,

Brooke Atkinson
Senior Engagement Specialist, Community Engagement
Solid Waste Services
t. 604.218.6412

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Draft Solid Waste Management Plan and Process for Additional Comments

Thank you to everyone who has contributed input to the region's draft Solid Waste Management Plan, the long term plan that will guide how our region reduces waste, increases recycling, and moves toward a more circular economy.

Review the draft Solid Waste Management Plan

Any additional feedback received by August 1 will be included with the draft Solid Waste Management Plan when it is submitted to the Minister of Environment and Parks for review.

Share your feedback by August 1, 2026

- Complete the feedback form
- Send written comments to zerowaste@metrovancouver.org
- Call the Metro Vancouver information line at 604-432-6200 to set up a phone conversation with staff

What's in the draft plan?

The draft Solid Waste Management Plan outlines:

- A vision and goals to guide the transition to a thriving region where resources are valued and nothing is wasted
- Strategies to reduce greenhouse gas emissions from solid waste
- Actions to support reuse, recycling, and waste prevention

From: Shorab. M.
Sent: June 2, 2026 10:00 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: Metro Vancouver's Draft Solid Waste Management Plan and Process for Additional Comments

Follow Up Flag: Follow up
Flag Status: Flagged

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But meanwhile you want to put an AI center all over B.C and Vancouver. Your plan is a farss.Green house gas? Stop [redacted] the tax payer

On Tue, Jun 2, 2026 at 9:21 AM Metro Vancouver Solid Waste <zerowaste@metrovancouver.org> wrote:

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Draft Solid Waste Management Plan and Process for Additional Comments

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- A vision and goals to guide the transition to a thriving region where resources are valued and nothing is wasted
- Strategies to reduce greenhouse gas emissions from solid waste

From: Julian Radlein <julianr@symbiaudit.com>
Sent: Tuesday, June 9, 2026 8:00 AM
To: Karen Storry <Karen.Storry@metrovancouver.org>
Subject: Re: GVS&DD ticking bylaw

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Good morning Karen,

Thank you so much for sending this through, and my sincere apologies for talking your ear off while you were trying to get lunch. I was swooning over what I read in the SWMP draft! And, it's been a long time since I swooned, so I got a little carried away.

Nonetheless, I see that I missed some details regarding the compliance
really liked:

- pursuing a 'clear bag' policy to improve inspection efficacy - simple and effective!
- administrative monetary penalties to address non-compliance - the pain of business as usual must be greater than the cost of doing the right thing.
- incentives for innovation within licensed facilities - everyone prefers a carrot over a stick!

30,000 - 50,000 tonnes of C & D waste. See the attached SWMP Feedback Summary (and highlighed text) from January of this year.

not, could you point me to who might?

With gratitude,

Julian Radlein
President | SymbiAudit Inc.
[redacted]

On Mon, 8 Jun 2026 at 09:07, Karen Storry <Karen.Storry@metrovancouver.org> wrote:

> Hi Julian,
>
> Thanks for the chat on Friday. Sounds like you are up to lots of great stuff as usual!
>
> Here is where you can find information about the notice of bylaw penalties, including the bylaw and the penalties issued to date:
>
> Compliance and Enforcement | Metro Vancouver
>
> Cheers,
>
> Karen Storry
> Solid Waste Services
> c. 604-657-1817
> metrovancouver
> SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Solid Waste Management Plan Update: Initial Draft Feedback Summary

Tuesday, January 28, 2026
Virtual / Hybrid

Metro Vancouver is updating its regional solid waste management plan, building on the strengths of the current plan and identifying ways to accelerate waste prevention and recycling, reduce greenhouse gas emissions, and advance a circular economy.

On January 28, 2026, Metro Vancouver held a meeting to walk commit ee members through the initial draft solid waste management plan which had been published for review on January 22, 2026. Members were invited to provide early feedback ahead of the February meeting where a dedicated feedback session would be held.

Initial Feedback Summary

Recycling system and data accuracy

- The plan overlooks asphalt and concrete recycling, despite these materials being almost entirely recyclable and representing over one million metric tonnes annually.
- There is no credible method to track residuals from recycling facilities, especially once materials exit the region.
- Recycling is increasing, but this progress is not reflected in long-term planning for the draft plan.
- Waste residuals from organic processing are significantly higher than reported.
- Metro Vancouver's claimed 65% recycling rate is viewed as unrealistic when most global jurisdictions report 20%–30%.
- Accurate measurement is fundamental; without it, Metro Vancouver cannot effectively manage the system.

C&D Waste

- A large portion of C&D wood waste has become nearly impossible to recycle or convert to fuel.

Between 30,000 and 50,000 tonnes of C&D waste have been sitting on the north arm of the Fraser River for years, unresolved.

From: Ben Liegey <ben@bettertable.ca>
Sent: June 15, 2026 8:00 AM
To: Stephanie Liu
Subject: Re: Restaurants Canada x Metro Vancouver x Draft Solid Waste Management Plan Update

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Stephanie,

So sorry for the late response. I will do the option 1.

Thank you for the opportunity to submit comments on the Draft Solid Waste Management Plan ahead of its submission to the Ministry of Environment and Parks for approval. I am writing on behalf of BetterTable, a Vancouver-based technology company that works directly with restaurants, hotels, and institutional food services to reduce food waste through digital auditing, carbon footprint tracking, and UN SDG-aligned reporting.

I have reviewed the April 24, 2026 delegation submitted by Restaurants Canada to the GVS&DD Board. While I understand the concerns raised around operational complexity and costs, I would like to offer a different perspective for the Ministry's consideration: food waste prevention initiatives, when properly implemented, represent a genuine opportunity for cost reduction for restaurant operators - not an additional burden.

Restaurants Canada's brief notes that "restaurants' business models create built-in incentives to focus on food waste prevention in the areas they can control." I agree wholeheartedly - and this is precisely the argument for scaling up food waste auditing tools. The disconnect today is not motivation; it is visibility. Most operators simply do not have the data to act on what they already know is a problem. If food waste were truly built into business models efficiently, it would not cost the Canadian foodservice sector an estimated $14 billion per year - a figure that speaks for itself.

Our work with properties across British Columbia - including Delta Hotels by Marriott, Oak Bay Beach Resort, and UBC Food Services - consistently shows that when restaurants gain granular, real-time insight into back-of-house prep waste, they are able to reduce food purchasing costs, optimize menu planning, and generate sustainability reporting without the burden of manual tracking.

Restaurants Canada warns against "potential new costs for restaurants." We believe the opposite outcome is achievable. With the right technology support - hardware-free, accessible on any mobile device, and designed specifically for foodservice operations - food waste prevention initiatives piloted under the SWMP can deliver measurable cost savings to operators, particularly those facing the shrinking margins Restaurants Canada rightly highlights.

We would welcome the opportunity to contribute to the design of food waste pilot programs referenced in the SWMP and to demonstrate how digital auditing tools can advance Metro Vancouver's diversion targets while delivering direct economic value to participating restaurants.

Please do not hesitate to reach out if additional information would be helpful ahead of the Ministry submission.

Warm regards,

Ben Liegey (he/him)
Founder & CEO @ BetterTable™
(604) 700-7587
www.bettertable.com
Waste Less, Earn More

From: Amanda Molloy <amolloy@fvrd.ca>
Sent: Monday, June 22, 2026 3:23 PM
To: elaine.wong@burnaby.ca
Cc: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>; john.mcewen@anmore.com; clrkirby-yung@vancouver.ca; andrea.reimer@citizenandrea.ca; prabjit.barn@fraserhealth.ca; Emily Newhouse <emily.newhouse@fraserhealth.ca>; devan.oldfield@gov.bc.ca
Subject: Letter re Metro Vancouver's Solid Waste Management Plan Update

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Good afternoon,

Please find attached a letter from FVRD Chair Patricia Ross following-up on the Solid Waste Management Plan Update presentation by Metro Vancouver staff at our Board meeting last month.

Thank you,
Amanda

Amanda Molloy
Administrative Manager
Fraser Valley Regional District

P 604-702-5080
1-45950 Cheam Ave, Chilliwack, B.C. V2P 1N6
fvrd.ca | haveyoursay.fvrd.ca



Fraser Valley Regional District

www.fvrd.ca | info@fvrd.ca

June 22, 2026

Board Chair Mike Hurley and Board of Directors
Metro Vancouver
Metrotower III, 4515 Central Boulevard
Burnaby, B.C. V5H 0C6
c/o elaine.wong@burnaby.ca

RE: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up

Dear Chair Hurley and Board of Directors:

Thank you to the Metro Vancouver delegation for appearing before the Fraser Valley Regional District (FVRD) Board on May 28, 2026. We appreciate the update and opportunity to ask questions about the draft Solid Waste Management Plan (SWMP). We are following up with a few questions to better understand some of the issues raised during the presentation.

1. Metro Vancouver staff indicated that financial considerations, particularly transportation costs, are the main reason for preferring local disposal over remote landfill options. Could Metro Vancouver provide more detail on how this analysis is done, including what distance would be considered too far? For example, if a new landfill were developed within the FVRD, would Metro Vancouver consider it too remote to be economically viable for their disposal needs?

2. We understand that Metro Vancouver's existing disposal capacity is expected to be sufficient for the 10-year term of the SWMP and that Metro Vancouver is "*not working on any long-term disposal options at this point in time, either new landfilling capacity or new waste to energy capacity*." Could Metro Vancouver clarify whether it intends to wait until the current SWMP expires before beginning planning and discussions for replacement disposal capacity, or whether that work will begin earlier, such as through a major amendment process? We have concerns that a lack of planning for additional landfill capacity may be used to justify building more incinerators in the future when the issue becomes more urgent due to the long lead time needed for siting and developing new landfills. We would appreciate greater clarity on the anticipated timeline and process Metro Vancouver is considering for planning long-term residual waste disposal.

3. During the presentation, Metro Vancouver shared graphs showing nitrogen oxide and direct particulate emissions from the incinerator. Sulphur dioxide (SO_2) emissions were not shown. SO_2 remains a significant concern for the FVRD because of its role in forming particulate matter within the airshed. The Lower Fraser Valley Airshed, shared by both Metro Vancouver and the FVRD, is shaped like a funnel. Due to topography and wind patterns, air pollutants tend to accumulate and concentrate within the narrow eastern portions of the airshed, disproportionately impacting the FVRD. The airshed is considered uniquely sensitive due to this tendency. SO2 emissions react in the atmosphere to form secondary fine particulate matter (PM2.5), adding to the levels of PM2.5 already

45950 Cheam Avenue | Chilliwack | V2P 1N6 Phone: 604-702-5000 | Toll Free: 1-800-528-0061 | Fax: 604-792-9684

occurring within the region. More than 85 Air Quality Advisories have been issued in the FVRD for high levels of PM2.5 since 2015.

For the past decade, Metro Vancouver has been operating under interim discharge limits for SO2 while considering acid gas reduction upgrades needed to bring emissions down. When asked during the presentation when those upgrades will occur, Metro Vancouver's response was they are undertaking studies and will be proposing new discharge limits to the Province later this year. Metro Vancouver staff also added that "*working to reduce the SO2 emissions from the facility is a priority*". With that context, we would appreciate clarification on the following:

a) Secondary PM2.5 formation was not mentioned during the presentation and does not appear to be addressed within the SWMP. How would new discharge limits address the facility's contribution to secondary PM2.5 formation within the airshed?

b) Could Metro Vancouver clarify how reducing SO_2 emissions is being treated as a priority if, rather than committing to the upgrades needed to reduce emissions, Metro Vancouver intends to seek revised discharge limits instead?

c) Our understanding is that the Public Health Risk Assessment study being conducted in consultation with the health authorities intending to inform these limits is still underway. Unless the study has been completed, are you please able to clarify how Metro Vancouver is able to assume that the findings support higher discharge limits? If this study has been completed, please share a copy with the FVRD as we are extremely interested to review it.

4. When asked why the SWMP does not include a long-term phase-out of the aging Burnaby incinerator, Metro Vancouver stated that waste-to-energy facilities do not have a fixed lifespan because they can be continually upgraded. Metro Vancouver continued by referencing a European incinerator that has operated for more than 100 years. Our review of that facility – the Josefstrasse incinerator in Zurich, Switzerland – suggests that a different lesson could be taught by this example. Although the Swiss facility operated for over a century, it was closed in 2021 because of its age and the high cost of upgrades needed to meet modern environmental standards. Its first major emission-control upgrades were installed only in the late 1980s, meaning its total post-upgrade lifespan was about 34 years, not even as old as Metro Vancouver's incinerator is today. Following closure of the Swiss facility, elevated dioxin levels linked to the facility were also found in a nearby park, leading to public concern and costly cleanup. In our view, this example helps to support the need for Metro Vancouver's SWMP to include phasing out the use their garbage incinerator that than justify how these facilities can safely operate indefinitely.

   In addition to Josefstrasse, the literature suggests numerous incinerators across Europe are also being shut down due to pollution standards, growing public backlash, and financial challenges due to the loss of public subsidies as waste incineration is no longer classified as green energy by the

European Union.[i] Organizations are calling for a moratorium on any new waste incinerators across the EU, including a demand for phase-down strategies of existing incineration capacity.[ii] Circular economy efforts appear to be reducing the reliance on incineration in Europe, a trend that unfortunately does not appear to be reflected within Metro Vancouver's SWMP.

5. We noted Metro Vancouver's acknowledgement that construction and demolition waste is leaking from Metro Vancouver into the FVRD and that Metro Vancouver staff are unable to estimate the amounts because this material bypasses Metro Vancouver's facilities. Given the amount of construction occurring, this could represent significant waste flow. Does Metro Vancouver have suggestions for how this material could be quantified and how to track where it is being sent for processing or disposal? We would be very interested in hearing your ideas on a potential proposal to better understand this waste flow.

Thank you again for the delegation and we look forward to continuing discussions on this topic.

Sincerely,



Patricia Ross
Board Chair, Fraser Valley Regional District

Cc: zerowaste@metrovancouver.org
John McEwen, Metro Vancouver Board Vice Chair, john.mcewen@anmore.com
Sarah Kirby-Yung, Metro Vancouver Zero Waste Committee Chair, clrkirby-yung@vancouver.ca
Andrea Reimer, SWMP Independent Consultation and Engagement Plan Chair, andrea.reimer@citizenandrea.ca
Dr. Prabjit Barn, Environmental Health Scientist, Fraser Health Authority, prabjit.barn@fraserhealth.ca
Dr. Emily Newhouse, Medical Health Officer, Fraser Health Authority, emily.newhouse@fraserhealth.ca
Devan Oldfield, Sr. Environmental Protection Officer, Municipal and Organic Waste Authorizations, devan.oldfield@gov.bc.ca

[i] https://www.politico.eu/article/europe-experiment-zubieta-waste-electricity-homes/ https://e360.yale.edu/features/in-europe-a-backlash-is-growing-over-incinerating-garbage
[ii] https://zerowasteeurope.eu/press-release/civil-society-calls-for-immediate-moratorium-on-new-waste-incinerators-across-the-eu/

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Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

July 20, 2026

File: PE-13-01

Patricia Ross, Board Chair, and Board of Directors
Fraser Valley Regional District
1-45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: pross@abbotsford.ca

Dear Chair Ross and Board of Directors:

Re: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up

Thank you for the opportunity to present to the Fraser Valley Regional District (FVRD) Board on May 28, 2026, and for your follow-up letter dated June 22, 2026. We appreciate your interest in the Solid Waste Management Plan and your detailed feedback and questions. We value the opportunity to continue to collaborate on solid waste issues to advance our shared interests and build shared understanding.

Metro Vancouver shares the FVRD's priorities on waste reduction, environmental protection, and air quality. As noted in our presentation at the FVRD Board meeting, the Waste-to-Energy Facility has excellent environmental performance with emissions from the facility averaging 17% of the regulatory standard in 2024. Nonetheless, as described in the draft Solid Waste Management Plan, Metro Vancouver will continue to further enhance environmental performance at the Waste-to-Energy Facility over the course of the plan.

As per the requirements of the September 23, 2025 update to the Waste-to-Energy Facility Operational Certificate, Metro Vancouver will submit proposed draft updates to the Waste-to-Energy Facility emission limits by September 23, 2026. Engagement on the proposed draft emission limits will begin upon approval of a consultation and engagement plan by the Ministry of Environment and Parks. Metro Vancouver will communicate with FVRD staff when engagement begins.

Given the detailed questions and comments raised in your letter, we have asked Metro Vancouver staff to write separately to FVRD staff with a fulsome response.

Staff are welcome to contact Paul Henderson, General Manager, Solid Waste Services, by phone at 604-432-6400 or by email at paul.henderson@metrovancouver.org to discuss the draft Solid Waste Management Plan and ask any remaining questions.

86302109

Yours sincerely,

Mike Hurley
Board Chair

Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/PH/sl

cc: John McEwen, Board Vice Chair, Metro Vancouver

86302109

From: Alison Hilkewich
Sent: July 21, 2026 2:57 PM
To: Paul Henderson
Cc: Stephanie Liu; SW - Management
Subject: RE: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up
Attachments: Solid Waste Management Plan Update Presentation Follow-Up.pdf

Fyi.

From: Alison Hilkewich <Alison.Hilkewich@metrovancouver.org> **On Behalf Of** Paul Henderson
Sent: Tuesday, July 21, 2026 2:55 PM
To: llilley@fvrd.ca
Cc: Andrea Reimer (Chair) <andrea.reimer@citizenandrea.ca>; prabjit.barn@fraserhealth.ca; Emily Newhouse <emily.newhouse@fraserhealth.ca>; Arvind ENV:EX <Arvind.Saraswat@gov.bc.ca>
Subject: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up

Dear Lance,

Please find attached a letter regarding Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up.

Thank you.

Paul Henderson , M.A.Sc., M.B.A., P.Eng.
General Manager
Solid Waste Services
t. 604.432.6400

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Solid Waste Services Department
Tel. 604-432-6400 or Fax 604-451-6180

July 21, 2026

File: PE-13-01

Lance Lilley, Manager of Environmental Services
Fraser Valley Regional District
1-45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: llilley@fvrd.ca

Dear Lance Lilley:

Re: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up

Metro Vancouver received a letter from the Fraser Valley Regional District Board (FVRD) Chair dated June 22, 2026, as a follow-up to Metro Vancouver's presentation at the May 28, 2026 FVRD Board meeting. Metro Vancouver's Board Chair and Zero Waste Committee Chair replied on July 20, 2026 to express appreciation for the feedback in the letter, noting that staff would provide a detailed response.

Below are detailed responses to the comments raised in the FVRD Board Chair's letter.

Cost Impacts of Disposal Options and Future Disposal Capacity Planning
The draft Solid Waste Management Plan, and the presentation provided to the FVRD Board, described the rationale for prioritizing local solutions in the draft plan, including:

- Increased system resilience
- Reduced transportation-related greenhouse gas emissions
- Creation of local employment and economic benefits
- Typically lower cost than solutions in distant communities

Affordability is incorporated in the draft plan's guiding principles and is a key consideration throughout the plan. Disposal at remote landfills is approximately twice the cost of local disposal options. When comparing the cost of local disposal to remote disposal, transportation costs are a key component of the calculation. The overall cost analysis for disposal options includes costs related to handling garbage at recycling and waste centres proportionally based on the portion of the waste managed at the disposal facility that is initially delivered to a recycling and waste centre. Approximately 60 per cent of the garbage disposed at the Waste-to-Energy Facility is delivered directly to the facility.

86189835

The draft Solid Waste Management Plan notes that Metro Vancouver will optimize use of the Vancouver Landfill and the Waste-to-Energy Facility, and describes potential criteria for assessing future disposal capacity if required. As of 2026, Metro Vancouver has no plans to pursue additional disposal capacity. As noted in the draft plan, if the Board decided to pursue any new disposal capacity within the region that is reviewable under the *Environmental Assessment Act* and associated regulations, a plan amendment would be required.

Your letter mentions the possibility of a new landfill in the FVRD. To consider Metro Vancouver's use of any potential future landfill in the FVRD, Metro Vancouver would seek more information about what is proposed. Metro Vancouver is open to further discussions with the FVRD about future disposal options.

Air quality concerns

The Waste-to-Energy Facility has excellent environmental performance with emissions averaging 17 per cent of regulatory limits in 2024. Metro Vancouver is committed to further enhancing the environmental performance of the Waste-to-Energy facility, including reducing sulphur dioxide emission levels.

Sulphur dioxide levels in the Lower Fraser Valley have reduced dramatically in the last number of years. According to Metro Vancouver's 2024 Air Quality Summary, sulphur dioxide levels have decreased 80 per cent since 2013 with ambient sulphur dioxide levels well below air quality objectives.

Metro Vancouver is pursuing opportunities to lower sulphur dioxide emissions and emission limits for the Waste-to-Energy Facility. As required in the Operational Certificate, testing of potential facility operational modifications to support reduction in discharge limits is underway.

Metro Vancouver is also pursuing updates to emissions monitoring as part of its work related to proposing updated emission limits for the Waste-to-Energy Facility. Among the potential updates, Metro Vancouver has commenced testing of condensable particulates in addition to filterable particulates. Proposed updates to emissions monitoring along with proposed updated emission limits will be communicated as part of the submission to the Ministry of Environment and Parks by September 23, 2026.

With respect to fine particulate matter ($PM_{2.5}$) air quality warnings within the FVRD, we agree that reducing fine particulate levels is an important objective. The Waste-to-Energy Facility generates only 0.03 per cent of regional fine particulate emissions. Additionally, the total regional fine particulate emissions do not account for fine particulates generated by wildfires outside of the region which are the primary source of fine particulates that cause air quality warnings.

Work on the public health risk assessment is also underway and will be shared publicly as part of the submission to the Ministry of Environment and Parks by September 23, 2026. The study will include analysis based on current emission limits, current actual emissions, and proposed draft emission limits, including an analysis of the implications of any secondary particulates related to sulphur dioxide emissions.

Long-Standing Waste-to-Energy Facility in Switzerland

Nearly all garbage generated in Switzerland is managed via waste-to-energy. This is also the case for a number of other European and Asian countries. With respect to the Josefstrasse facility in particular,

information available online suggests that the primary reason for closure of the facility was overcapacity within the Zurich solid waste system noting that in its final years the facility processed waste primarily from Germany. Online news sources also note that freeing up the site for development also was important in the decision to shut down the facility (Reference 1). Note that in parallel to the closure, a nearby Waste-to-Energy Facility was expanded, resulting in a single larger facility with an expanded district energy system which was more efficient than two facilities.

Waste-to-energy provides an effective and safe alternative to landfilling, with more than 3,000 waste-to-energy facilities operating worldwide. Individual facilities open and close for reasons unique to the specific facility or community. A recent article in the publication Waste & Recycling notes continued growth in the worldwide number of Waste-to-Energy Facilities including growth in Europe (Reference 2). Metro Vancouver recently published a report providing detail on the use of waste-to-energy as a disposal technology (Reference 3). The study shows that communities choose between landfilling and waste-to-energy based on local circumstances.

Metro Vancouver's Waste-to-Energy Facility, constructed in 1988, has had regular upgrades to its environmental protection systems. The facility continues to be a safe and cost-effective residual waste disposal option in the region.

Construction and Demolition Waste
Metro Vancouver tracks material from licensed construction and demolition processing facilities in the region that is then sent for disposal outside of Metro Vancouver. Metro Vancouver has heard anecdotally that some construction and demolition waste moves from project sites in the Metro Vancouver region directly to facilities in the Fraser Valley, but we have no supporting data to confirm this information. Metro Vancouver would be happy to further discuss this issue.

Additional Action Items Arising from May 28, 2026 FVRD Board Meeting
Following the questions and discussion at the May 28, 2026 FVRD Board Meeting, Metro Vancouver committed to providing the following information:

- *Summary of waste diversion statistics for the commercial sector over time*
  Information on diversion rate over time by sector is attached. The commercial/institutional sector has seen an increase in diversion of approximately 10 per cent since 2011. The commercial/institutional sector diversion rate of 48 per cent is lower than the single-family diversion rate of 64 per cent, but higher than the multi-family rate of 34 per cent. The draft Solid Waste Management Plan sets a target of 60 per cent commercial/institutional sector diversion by 2036.
- *Information on contamination rates*
  Metro Vancouver has asked RecycleBC to provide comparisons of contamination rates between single stream recycling systems and multi-stream recycling systems. Information on the RecycleBC website confirms that single stream recycling contamination rates are higher than multi-stream rates, but does not provide specific numerical comparisons (Reference 4).

Thank you again for FVRD's detailed and valuable feedback. FVRD's feedback will be provided to the Ministry of Environment and Parks for consideration when the draft plan is submitted. We are also very

appreciative of the opportunity to present to the FVRD Board several times during the Solid Waste Management Plan update process.

Metro Vancouver would be happy to schedule future discussions with FVRD staff to collaborate on solutions for illegal dumping, demolition waste movement between our regional districts, and long-term disposal options. Please feel free to email or call me at 604-432-6400 or Paul.Henderson@metrovancouver.org.

Yours sincerely,



Paul Henderson, M.A.Sc., M.B.A., P.Eng.
General Manager, Solid Waste Services

PH/sl

cc: Andrea Reimer, Solid Waste Management Plan Independent Consultation and Engagement Panel Chair
Dr. Prabjit Barn, Environmental Health Scientist, Fraser Health Authority
Dr. Emily Newhouse, Medical Health Officer and Medical Director, Fraser Health Authority
Arvind Saraswat, Director, Municipal and Organic Waste Authorizations, Ministry of Environment and Parks

Attachment: Diversion rate over time by sector

References:

1. Organisator. (2021, February). *Switzerland's oldest waste incineration plant has had its day*. https://www.organisator.ch/en/sustainability/2021-02-28/aelteste-kva-der-schweiz-hat-ausgedient/
2. Waste & Recycling. (2026, March). *Waste-to-energy plants continue global growth*. https://wasterecyclingmag.ca/business-operations/waste-to-energy-plants-continue-global-growth
3. Stantec Consulting Ltd., for Metro Vancouver. (2026, January). *Residual Waste Management Options Review*. https://metrovancouver.org/services/solid-waste/Documents/residual-waste-management-options-review.pdf
4. Recycle BC. (2017, November). *What is contamination?* https://recyclebc.ca/what-is-contamination/

86189835

Diversion Rate Over Time by Sector

	Commercial/ Institutional	Single-Family	Multi-Family	Construction and Demolition	**Overall**
2011	38%	59%	34%	74%	**57%**
2012	38%	56%	27%	75%	**58%**
2013	39%	60%	28%	76%	**60%**
2014	43%	62%	24%	75%	**61%**
2015	42%	66%	29%	74%	**62%**
2016	53%	64%	33%	71%	**62%**
2017	50%	64%	31%	76%	**63%**
2018	46%	64%	37%	78%	**64%**
2019	43%	63%	36%	76%	**63%**
2020	44%	64%	38%	78%	**64%**
2021	46%	63%	37%	79%	**65%**
2022	48%	64%	36%	80%	**65%**
2023	50%	62%	34%	81%	**65%**
2024	48%	64%	36%	81%	**65%**

From: Amanda Molloy <amolloy@fvrd.ca>
Sent: July 31, 2026 8:58 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: Devan.oldfield@gov.bc.ca; Lance Lilley
Subject: FVRD Comments re: Solid Waste Management Plan 2026
Attachments: 2026 07 30 FVRD Comments on MV SWMP.pdf

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Good morning,

Please find attached comments from the Fraser Valley Regional District regarding Metro Vancouver's final draft 2026 Solid Waste Management Plan.

Thank you,
Amanda

Amanda Molloy
Administrative Manager
Fraser Valley Regional District

P 604-702-5080
1-45950 Cheam Ave, Chilliwack, B.C. V2P 1N6
fvrd.ca | haveyoursay.fvrd.ca



Fraser Valley Regional District

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July 30, 2026

Metro Vancouver
Metrotower III, 4515 Central Boulevard
Burnaby, B.C. V5H 0C6
zerowaste@metrovancouver.org

RE: Metro Vancouver's Solid Waste Management Plan 2026

Dear Metro Vancouver:

The Fraser Valley Regional District (FVRD) has reviewed Metro Vancouver's final draft 2026 Solid Waste Management Plan (SWMP). We appreciate the engagement from Metro Vancouver on the development of this plan and are thankful for the opportunity to provide comments.

The FVRD supports some elements of the plan, particularly those focused on zero waste initiatives and efforts to increase food waste diversion through food recovery programs, education, and additional organics processing capacity. The FVRD also appreciates Metro Vancouver's recognition that continued coordination with adjacent regional districts will be important as the plan is implemented. We see future collaborative opportunities in projects such as increasing reuse of construction and demolition materials, better understanding the amount and disposal locations of construction waste being sent from Metro Vancouver to the FVRD, and on potential new landfill development.

The FVRD continues to have significant concerns, however, with how the plan fails to address issues about air quality and garbage incineration. The FVRD is within the eastern portion of the Lower Fraser Valley Airshed. This airshed, which is shared with Metro Vancouver, acts to funnel pollutants into the FVRD as the airshed narrows to the east. The airshed is considered "sensitive" due to this tendency to accumulate and concentrate pollutants. Air quality trends show that progress is made with some emissions, but fine particulate matter (PM2.5) remains particularly concerning. More than 85 Air Quality Advisories have been issued in the FVRD for high levels of PM2.5 since 2015. Pollutants coming from Metro Vancouver's garbage incinerator add to this problem, including sulfur dioxide (SO2), which is converted in the atmosphere into PM2.5 and have disproportionate impacts on the FVRD due to the shape of the airshed. These concerns are not addressed within Metro Vancouver's SWMP.

The FVRD is providing the following comments to be included in Metro Vancouver's submission of their SWMP to the Minister of Environment and Parks.

1. <u>Phasing Out Garbage Incineration within the Lower Fraser Valley Airshed</u>

   The FVRD has significant concerns that Metro Vancouver's SWMP continues to rely on incineration-based approaches, including waste-to-energy and cement kilns, for long-term residual waste management. It is highly disappointing that Metro Vancouver's SWMP does not include a long-term strategy to phase out incineration, particularly given the age of their incinerator and the sensitivity of the airshed.

The FVRD continues to be one of the fastest growing regions in the Province, expecting an almost 50% increase in population by 2050. This growth will place additional pressures on the airshed and will result in a larger number of residents being exposed to pollution from the unnecessary burning of garbage. Garbage incinerators are being shut down across Europe due to stronger environmental standards and reclassification of the energy produced as neither green nor sustainable, yet Metro Vancouver's SWMP does not include any plan to phase it out and instead appears to entrench its long-term use.

The FVRD strongly recommends Metro Vancouver phase out all incineration of municipal solid waste within the sensitive Lower Fraser Valley Airshed.

2. Commit to No Additional Garbage Incineration within the Airshed

Metro Vancouver's SWMP fails to address how and where residual municipal solid waste will be sent for disposal after current disposal capacity is exhausted, but the plan does identify technical criteria for new facilities *if* additional disposal capacity were required in the future. These criteria fail to recognize airshed sensitivity as a siting criterion. As previously described, the airshed is considered sensitive because pollutants accumulate and concentrate in the eastern portion of the airshed in the FVRD. If Metro Vancouver considers additional incineration capacity in the future, it should not be anywhere within the Lower Fraser Valley airshed.

The FVRD recommends that Metro Vancouver's SWMP include airshed sensitivity within their decision-making criteria for siting new disposal facilities and to include a commitment that no additional incineration capacity will be pursued within the sensitive Lower Fraser Valley Airshed.

3. Lacking Commitment to Emission Control Upgrades

While the FVRD remains concerned with all air pollutants from the incinerator that have the potential to travel to the Fraser Valley, SO2 emissions are of particular concern. SO2 is associated with its own significant health impacts, but one of the most harmful functions of SO2 is that it reacts with moisture in the atmosphere to form sulfate aerosols, which contributes to PM2.5 levels in the airshed.

Metro Vancouver staff have asserted that direct PM2.5 emissions from the facility remain below their emission limits, but this fails to account for the release of precursor pollutants such as SO2. SO2 emissions from the incinerator have remained above the original discharge limits in the operational certificate and are higher than emissions at comparable Canadian facilities. The Province has allowed Metro Vancouver to operate under interim discharge limits for the past ten years to give Metro Vancouver time to install the acid gas reduction upgrades needed to lower these SO2 emissions. Although the SWMP includes $100 million in capital funding for these upgrades, Metro Vancouver has also indicated they may not install them as they are first seeking to have the discharge limits revised so that the upgrades are not required.

The FVRD does not support continued use of the incinerator, but if this facility continues to remain operational, Metro Vancouver needs to at least commit to the best available emission control systems.

The FVRD strongly recommends that Metro Vancouver install emission control upgrades at the garbage incinerator without further delay to lower SO2 emissions from this facility.

4. Long-Term Disposal Capacity Not Addressed

Metro Vancouver has indicated that existing disposal capacity is expected to adequately meet the region's needs during the 10-year term of the SWMP and, as a result, they are "not working on any long-term disposal options at this point". Consequently, the SWMP does not address long-term disposal capacity. Given the upcoming closure of their primary landfill in 2050 and the long lead time required to site and develop a new landfill, it seems highly unlikely that significant planning for future disposal capacity would not need to begin within the term of the SWMP.

If future disposal capacity planning is being deferred until after the SWMP term, the FVRD is concerned that decision making may be pressured by urgency and without sufficient transparency, public input, or analysis. It may also result in attempting to fast-track additional garbage incineration within the airshed due to a lack of disposal options which would be completely unacceptable.

If Metro Vancouver is already planning for long-term disposal capacity, why is this occurring outside of the SWMP process? Should this not be within the scope of this current SWMP? Or perhaps Metro Vancouver is intending to pursue a major update of their SWMP within the next couple of years? Added clarity on this matter is required within the SWMP.

The FVRD recommends that Metro Vancouver provide greater transparency regarding long-term disposal planning and that this planning be included as part of this SWMP process.

5. Impacts to Adjacent Regional Districts Not Identified

The SWMP states that no significant impacts on adjacent regional districts are anticipated. However, the basis for that conclusion has not been made clear. The plan does not explain what consultation informed this assessment, how significance was defined, or what impacts were considered and screened out. Any proposed changes in policies, bylaws, or programs that may affect the FVRD, including any new requirements, costs, or revenue losses anticipated for private businesses in the Fraser Valley involved in the solid waste industry, should be made transparent and have meaningful consultation conducted.

The FVRD recommends that the SWMP provide additional clarity on how adjacent regional districts will be impacted by its implementation and how this assessment was conducted.

6. Greater Reuse of Wood Waste

Metro Vancouver's SWMP proposes to process "clean dimensional lumber not currently reused or recycled due to insufficient processing capacity or technical constraints" into biofuel. Turning biomass into biofuels via thermal processes such as gasification or pyrolysis produces harmful pollution such as particulate matter and nitrogen oxides. The sensitive Lower Fraser Valley airshed already has elevated levels of these pollutants and additional pollution needs to be avoided.

Greater reuse or recycling of construction and demolition waste throughout the Lower Mainland is needed and represents an area of opportunity for potential inter-regional collaboration. Development

of a thermal processing system that would convert waste into biofuel would not only jeopardize investments that would allow for greater reuse or recycling of this material, it would result in additional air pollution and would eliminate potential opportunities for FVRD collaboration.

The FVRD recommends Metro Vancouver prioritize investments into processes that allow for greater reuse of salvageable material such as clean dimensional lumber rather than into energy recovery.

Thank you for your efforts on preparing a new Solid Waste Management Plan for Metro Vancouver. We appreciate the opportunity to provide comments and hope our concerns will be addressed in subsequent revisions.

Sincerely,



Patricia Ross
Board Chair, Fraser Valley Regional District

Cc: Devan Oldfield, Sr. Environmental Protection Officer, Municipal and Organic Waste Authorizations, BC Ministry of Environment and Parks. Devan.oldfield@gov.bc.ca.

From: Aleena Akhter [redacted]
Sent: July 2, 2026 10:44 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Public Submission: Draft Solid Waste Management Plan Feedback - Student Researcher in BC

Follow Up Flag: Follow up
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Hello, I am a student researcher living in Surrey, BC. I have read the updates concerning the Solid Waste Management Plan that will be adopted in 2036 in Metro Vancouver. I would like to provide feedback towards the final draft of this plan. I have also provided the specific area/page upon which I have based my arguments on.

1. Public Access areas in terms of Multi-Family and Business Recycling (Focus Area 3): I believe both Multi-Family living areas such as condos or apartments and local businesses concur astronomical amounts of waste if not managed properly. The 2036 target of having single-family living units reach a waste diversion rate of 75% while having multi-family units reach a waste diversion of only 60% and commercial/institutional infrastructure 65% ignores the idea of the lack of recycling infrastructure near these units. Especially those in lower-income areas. Thus, I believe it is important to emphasize the infrastructural access disparities of waste management sites for the public. Allowing the Solid Waste Management Plan to further focus on creating more areas of waste management, and therefore increasing the recycling rate of both single and multiple family units.

2. Newcomer Education on Waste Management in Vancouver(Page 35): Vancouver receives hundreds of immigrant families each year. With this rate of immigration expected to only increase in the future. Many of these families are not fluent or even not at all familiar with the language of English. With most waste management information/education being available primarily in English prevents incoming families from creating the new habits needed to increase the rate of waste diversion and recycling. Thus, I believe more importance and funding should be put toward educating incoming families, and diversifying education to accommodate for future families.

3. Questions Regarding Further Action:

- To what extent is plastic pollution an important concern in waste management for Metro Vancouver? If it is a major factor, are there any specific plans in place for implementation to target plastic pollution?
- What will be the future steps if the Revised Draft is, or is not, accepted by the government? I wish to be a part of this journey in the future to help reach future regional emissions goals.
- Would a member of the project team be open to a 10-minute virtual interview on some general topics of the Revised Solid Waste Management Plan? Particularly focusing on the collaborations made with the local government with non-state actors in Metro Vancouver?

Thank you for your consideration of my arguments.

From: Jan Hastings <jan@recycling.bc.ca>
Sent: July 6, 2026 5:04 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Submission to Metro Vancouver SWP, 2026
Attachments: Metro Vancouver SWP submission.docx

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Good afternoon,

Please accept this document as input from Nanaimo Recycling Exchange Society to your next Metro Vancouver Solid Waste Management Plan.

The document is an excerpt from a report authored by Nanaimo Recycling Exchange.

Good luck with your plan.

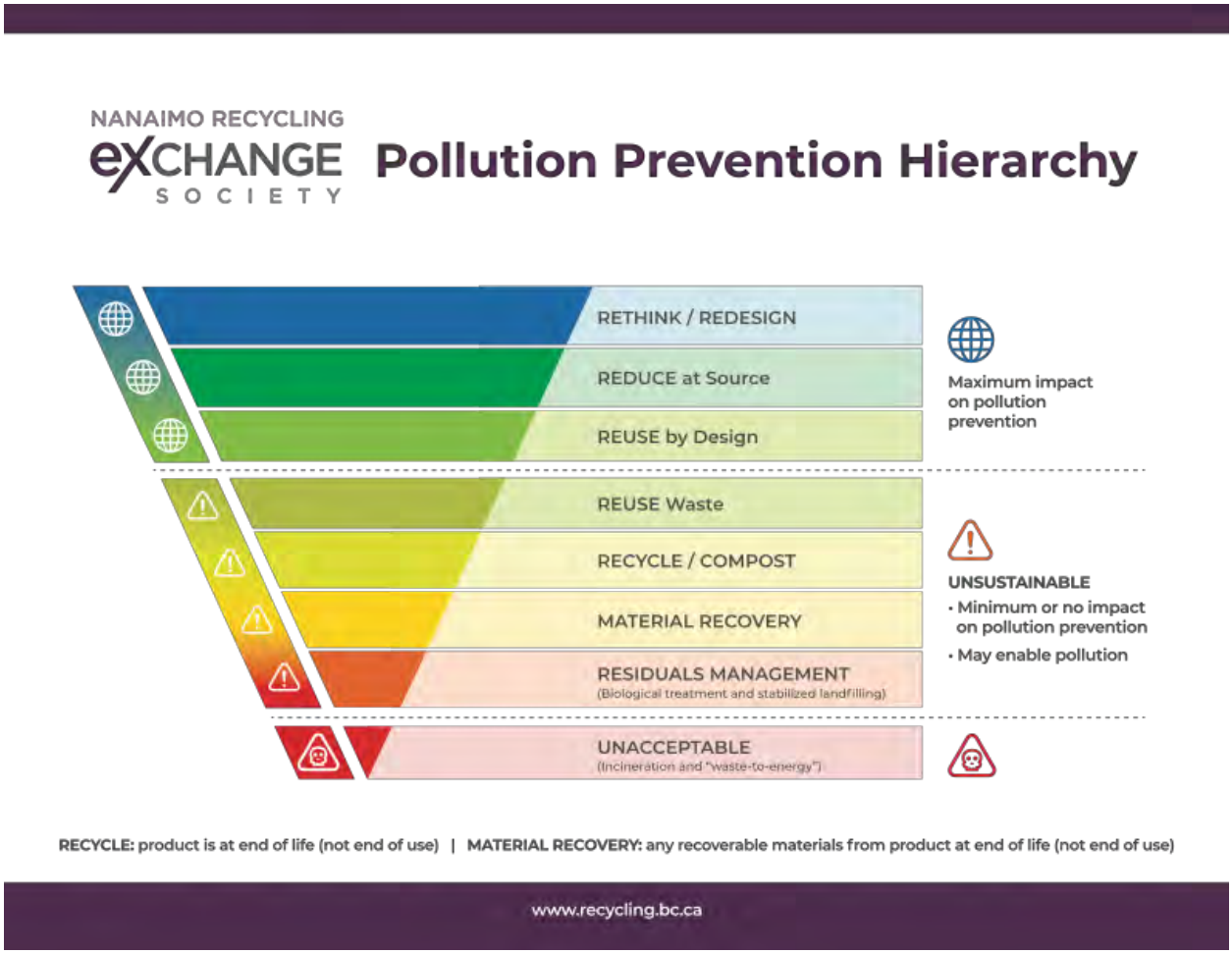
Check out our Website https://www.recycling.bc.ca/

Follow us on Facebook https://www.facebook.com/NanaimoRES/

Kind Regards, ♻
Jan Hastings, MA
Executive Director
Nanaimo Recycling Exchange Society
jan@recycling.bc.ca

This Pollution Prevention Hierarchy was developed by Nanaimo Recycling Exchange as part of a document titled “Deconstruction Deconstructed.” The hierarchy below, with rationale and purpose of each waste prevention principle is based on original Pollution Prevention principles, rather than economic principles of Waste Management.

This hierarchy is recommended as a template for Solid Waste Management Plans.



This hierarchy was designed as a waste prevention tool; used correctly in design and planning stages, the tool drives behaviours like ReThink, Reduce at Source, and Reuse by Design in order to prevent waste and pollution. When used correctly, there isn’t much waste that needs a new use, recycling, or disposal. **Prevention is the point.**
Applying any options below dotted lines to find uses for wasted materials is a corruption of waste prevention principles and the tool. Pretending the outcome is waste reduction is not only physically impossible, It’s also too late—waste can’t be unwasted.

Diversion from landfill to options on the hierarchy cannot reduce waste that already exists. In most cases, more pollution and waste is created from the practice. Diversion from landfill simply moves wasted material around and makes it unrecognizable as waste. Jobs are created

and money is made calling it Reuse, Reduce, Recycle, and Recovery of Energy. Landfills don't get full. Everyone happy.

Diversion of CRD demolition/deconstruction waste from landfill is a smoke and mirrors diversion from the primary blunder of wasting a house. Waste haulers make houses disappear.

Waste management eradicates waste prevention
The following is what happens when the Pollution Prevention Hierarchy is used incorrectly to divert mountains of CRD waste from landfill. Calling these practices ReThink, Reduce, Reuse, Recycle, or Resource Recovery is greenwashing fiction.



ReThinking the concept of waste is the most important tool for preventing waste. That's why it's the first and the biggest section of the pollution prevention triangle. The purpose of ReThink was implemented to change thinking that leads to waste:

> **In 1971, the World Consultation on the Use of Wood concluded,**
> "(e) In establishing national housing programmes, governments should consider the economic advantage of short-life… lightweight wood construction that may readily be replaced totally or partially. Such a policy would inject an element of flexibility in urban and rural development and permit the timely adoption of higher standards of living for the population."
> https://www.fao.org/3/c3848e/c3848e01.htm

ReThink in 1971 would have challenged the concept of short-life construction, and prevented waste and resource destruction. Rather than short life construction, ease of disassembly for reuse could have been incorporated into design. If ReThink had occurred in 1971, reuse by design would be in place, preventing wasted CRD lumber from getting burned as fuel today.



That's the first clue that the Pollution Prevention Hierarchy can't be used to manage waste. Nobody using the waste management approach has to ReThink.

ReThink can't fix this.



When the 3R's were first introduced, Reduce meant reduction at source: the idea was to conserve resources and prevent waste. In construction, Reduce would have meant cut fewer trees, make less cement and steel, and build smaller homes. Oops, reduce economic growth? That didn't last.

What did last? Persistent indoctrination that waste and pollution is a reasonable trade-off for progress and economic success.

Failure to incorporate Reduce at source resulted in decades of record consumption and waste. As government landfills got full, new definitions of Reduce were invented:

1. Reduce environmental impact of waste, and/or
2. Reduce waste after the waste has been created.

This new definition was needed so the term Reduce could then be applied to waste: no need for prevention. Used this way, Reduce gives the impression that waste and waste impact reduction can be achieved by unfounded and futile practices like diversion of wasted materials from landfill.

How does that definition work?

It doesn't.

1. <u>Reduce environmental impact:</u> A house gets demolished. It is not possible to reduce environmental impact from extraction, manufacturing and global transportation of materials it took to build that house. Further, the exact same extraction, manufacturing, and global transportation process is repeated to build a replacement house, likely larger than the original. Addition isn't reduction.

   It is not possible to reduce the environmental impact of wasted materials by choosing to recycle or reuse the material. It's too late. Comparing environmental impact of a standing house to that same house demolished into waste is insufficient to draw conclusions about environmental impact. Life Cycle Analysis of every resource and activity needed to build, live in, demolish, replace, and live in the replacement house would be needed. This data doesn't exist. Comparing so called environmental impact of recycling or reusing the wasted materials is an egregious abuse of the waste prevention definition of Reduce at Source.

2. Reduce waste: It is not possible to reduce waste after waste has been created.

   Taking a house down creates waste where none existed. Reducing the size of the pile by grinding the good lumber to burn as fuel at lumber mills does not change the fact that the lumber was wasted. Crushing the concrete for fill or road base, or to make piles on private land cannot change the fact that the concrete was wasted. Even if you Reduce your thinking enough to believe these activities reduce waste after wasting a house, there is still the problem that hauling wasted resources around trying to get rid of them also creates more waste and more pollution.

BC houses are being demolished after 8 years of life. Destruction of resources and creating waste should be understood as what it is. Destruction is not reduction.

The concept of reducing waste is faulty and the practices are counter-productive. Thinking up something to do with a wasted resource is called diversion from landfill. It does not reduce environmental impact of waste, and it does not reduce the waste.

No prevention. More waste. More money. Old trick.

Abdication of the original Pollution Prevention Hierarchy “Reduce at Source” definition was the monumental failure to prevent waste, pollution, and resource depletion. Mountains of waste predictably and inevitably followed.

REUSE by Design

The original definition of Reuse is for products used for the same purpose as conceived, for the life cycle of the product, without repair or refurbishment or remanufacturing. It is assumed that durability and safety are built into the design to allow maximum rotation of uses. That is why it must be Reuse by Design.

Reuse by design is meant to preserve resources to prevent waste. It cannot be used to reduce waste that has been created. Avalon Dairy reuses glass containers designed for Reuse.

Reuse of waste is a different matter. Consciously removing a product from the intended use, and then trying to find another (re)use for it assumes the material is not at end of life and therefore

- fails the test by definition of reuse, and
- fails as a waste prevention strategy.

Finding uses for wasted materials cannot prevent waste or preserve resources, and cannot be called Reuse. Finding use for wasted material also cannot make up for the need to extract new resources to replace the product.

As long as there is little interest in Reuse by Design in construction, renovation, or deconstruction/demolition, and only small market uptake of CRD waste for reuse, it is best to leave structures untouched and in use.

It remains to be seen whether dimensional lumber from deconstruction will be available for large-market uptake into new construction. For structural use, the lumber must be re-graded and re-certified by engineers qualified to assess defects from nail and fastener holes, age, and species adaptability. There is currently not enough incentive for structural engineers to adopt the professional risk of regrading used structural lumber in instances when regrading is required.

Cost of deconstruction, product remediation and re-certification is a factor. Typically, the process of regrading used lumber for structural purposes is cost prohibitive due to the expense of hiring a structural engineer to certify the products (Schroeder 2017). Retrieved from: Recycling your home: Can structural wood be reused for the same purpose? at https://greatlakesecho.org/2017/07/12/recycling-your-home-canstructural-wood-be-reused-for-the-same-purpose/

While the BC Building Code allows salvaged lumber to be used for structural purposes in principle, that does not mean it will be approved during the construction permitting process. Deconstruction, therefore, does not guarantee preservation of dimensional lumber, often 40% by weight of salvaged material from deconstruction, and therefore does not mitigate destruction of a viable structure.

Surprisingly little standard material from deconstruction can be marketed for resale beyond small market DIY purposes. Niche market heritage and wide plank lumber requires transporting, storing, and marketing, and sale or use is not guaranteed. Dimensional lumber from the Tectonica/NRES deconstruction project in 2021 sits unsold in a local reuse market yard in 2024. Further development of reuse markets for materials from deconstructed houses should be questioned, as it would further legitimize wasting houses.

Houses are built for use. “The greenest building is the one that already exists. Existing buildings represent embodied carbon (GHG emissions already expended), and they should be reused as long as possible.” From Accelerating building reuse would help Canada meet its Climate Targets. Retrieved from: https://policyoptions.irpp.org/magazines/july-2021/accelerating-building-reuse-would-help-canada-meet-its-climate-targets/

What Architects and Builders say about Reuse

Architects could design for reuse, yet they don’t. The discipline leans toward material longevity as a waste prevention strategy. “It is sensible to use wood resources for construction products whose lifespan is long (even over 100 years)” From: The wood from trees: The use of timber in construction. Retrieved from: https://www.sciencedirect.com/science/article/pii/S1364032116306050. Building to last could help conserve materials, yet architects also seem to agree that building lifespan

hovers at about 50 years. Build to last, but tear it down? Architects do what the client wants and money dictates.

Builders say “If we had a choice about reusing lumber, we would want to work with dimensional lumber from the 70’s to the 90’s (before glue and spray insulation).” Most new bylaws for preservation of dimensional lumber from demolition target old growth lumber in dwellings built before 1960. Solution X applied to Problem Y achieves…not much. Niche marketing for old growth lumber can be profitable, but uses for old growth wood are limited. Wealthy people like to have old growth coffee tables.

All attempted (re)use of wasted material defies Reuse by Design and pollution prevention principles.



Recycling was defined in the 60’s and 70’s as “reprocessing of waste into products, materials or substances, not necessarily for the original purpose, though it retains the possibility of being used for a similar purpose.” Recycling was designed to make use of “end of life” material, that could no longer perform its original task, in order to slow the accumulation of waste showing up in landfills. True story.

It was also thought that recycling could “save resources” if end of life materials were used to make similar or other useful products. Saving resources was never the promise to replace primary production using virgin materials. After decades of exhaustive experimentation, the fact remains: Recycling doesn’t replace primary virgin production of anything. All recycled material is a downgrade from the original virgin material. Some recycled content can be mixed with virgin materials to make a similar product, but recycled content ceilings are untested and will never match virgin content percentages. Recycling is also more costly and resource intensive, and cannot rival quality of virgin production.

Unlike Reuse, Recycling was designed for end-of-life waste. By definition, it won’t be what it was, but it might be something useful. Recycling wasted (end of use, not end of life) material is another matter.

Wasting materials before end of life and then finding some use for them, is not recycling.

- Wasted concrete is not recycled. It is crushed and used as road base or fill on private land.
- Wasted Asphalt is not recycled. Some is ground and used as new paving mix, most is used as road base or fill on private land.
- Asphalt shingles are not recycled into new shingles, but they can be used in paving mix. According to pavers, the product is difficult to use and has a shorter life span than virgin

asphalt. Asphalt shingles are often rejected for recycling, and more often sold as kiln fuel.

Unnecessary recycling uses more energy and resources while creating a more toxic product, and more waste and emissions. Recycling before end of life defies saving resources, and creates need/demand for more "useful" products made from recycled material. That's backwards. Today, waste and wasted supply far outweighs demand.

For all these reasons, recycling is useful only as a delay to landfill or other disposal.

Very little recycling occurs from new construction, renovation, deconstruction, or demolition. There are "potentially recyclable" leftovers from CRD, but collecting materials in a bin does not mean they will be recycled.

- It's too costly to sort, separate, haul, and pay tip fees.
- There is almost no technology for recycling CRD.
- Costs of recycling can't compete with revenue contracts for fuel supply or with cheap landfill tip fees.
- Recycling feedstock has little value: end products are low grade, and have low market demand.
- Recycled material cannot compete with virgin material price or quality.

Most products will be tossed into the single bin so they can be disposed as contaminated construction waste. Garbage is cheaper to manage than recycling.

That's why recycling, at this point, is helpful for the single purpose of delaying landfill. Design for recyclability is a corruption of the original purpose of recycling and a corruption of pollution prevention principles. Design for recyclability is planned obsolescence disguised as sliced bread.

Until there are nationally mandated definitions of recycling, the Wild, Wild Waste will prosper. Recycling does not include operations that use material as fuel to recover energy from waste. Burning materials—for fuel or energy—is disposal, not recycling. Supply of materials for burning usually produces revenue; that's an easy way to tell the difference. Supply of materials for fuel competes heavily with recycling, and may eventually replace recycling for some products. But, that's not a good enough reason to call it recycling.

What might get recycled from CRD:

- Metal is easily sorted and separated for recycling because of market value.
- Cardboard is sorted and separated for recycling, if market price is high.
- Drywall (sorted, date stamped or certified free of asbestos) can be transported to the mainland and recycled for a fee. About 35% of wasted drywall is recycled.

From: the most current data reported to ECCC is from 2010. Preliminary Resource Recovery Report Card and Gaps Assessment for Canada Final Report, 2020. Kelleher Environmental. Retrieved from https://www.canada.ca/content/dam/eccc/food-loss-and-waste/Kelleher-NRCan%20CE%20Report%20Card.pdf

It's a lost cause to think much construction waste can be recycled. It's a lost cause to think there are viable recycling markets for any amounts of construction waste.

If you like numbers:
All recycling delays landfill.

The only way recycling could permanently divert from landfill is if recycled material could be made back into the original product that then replaces primary production by 100% from now to infinity. We all know that's not possible. The best-case scenario for recycling being made into the original product is if 0 to 100% of product is collected for recycling, 80% (20% is normal loss to recycling process), gets recycled into 100% recycled content (most recycled content hovers around 10%). Then that has to replace primary production at 100%. It doesn't add up.

Example: Starting with 10 units, at 50% collection (a high global average), 5 units are collected, 20% is lost to normal recycling process, so 4 of 10 units will be recycled. Using current industry standard of production, 10% recycled content is added to 90% virgin content, so the 4 units will contain 10% recycled content. So far, "recycled" adds up to 10% of 40% of the original 10 units. The 6 uncollected units will be disposed/lost meaning 6 new units will be produced using 100% virgin content. All this activity has additional energy and waste collateral.

Given there is no established recycling stream for CRD waste, best case projections from established streams are irrelevant.



This category used to be called Resource Recovery. It is now called Energy from Waste or Waste to Energy, WtE. New language has hijacked purpose of this category.

Resource Recovery was designed to preserve material from products at true "end of life with no further potential as a whole product." Once the product could not be used for the original purpose, various materials in the product were to be preserved for other uses. Resource Recovery importantly acknowledged all resources as finite and depletable and encouraged extended use of all materials.

This category has undergone some of the most egregious uses of language and definitions to enable practices of incineration. Language of "finite and depletable" got replaced with "renewable." Recovery of materials has been corrupted and replaced with recovery of energy from burning materials. End of life is no longer criteria: the only requirement is for anyone to stop using something and call it "waste."

There is no imaginable reason why burning lumber for energy in a lumber mill to make more lumber should be acceptable.

Someone decided if waste is diverted from landfill and burned, and energy is “recovered” then the amount of waste is reduced. Burning the evidence doesn’t reduce waste that has been wasted. Ash makes a smaller pile than wood so people call WtE waste reduction, but “wasted” applies to the pile of wood. There is also no way to know if WtE reduces pollution. GHG’s from Waste to Energy are reported from the energy sector, giving the false impression that the practice reduces overall emissions from the waste sector. Canada’s energy sector reported increased emissions in 2023: emissions from the waste sector are unaccounted for. ECCC, 2021. National Inventory Report 1990-2021: Greenhouse Gas sources and sinks in Canada. Canada’s submission to the United Nations Framework Convention on Climate Change. Retrieved from: https://unfccc.int/ghg-inventories-annex-i-parties/2023

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: July 6, 2026 3:09 PM
To: Minister, ENV ENV:EX; Metro Vancouver Solid Waste Management Plan Update; pietro.calendino@burnaby.ca; Craig Hodge; muril@dnv.org; mayor@surrey.ca; sferguson@tol.ca; john.mcewen@anmore.com; jross@belcarra.ca; mayor@bimbc.ca; mayor@burnaby.ca; sav.dhaliwal@burnaby.ca; Craig Hodge; ttowner@coquitlam.ca; rbinder@delta.ca; dkruger@delta.ca; palbrecht@langleycity.ca; ewoodward@tol.ca; mayor.berry@lionsbay.ca; druimy@mapleridge.ca; nnakagawa@newwestcity.ca; CNV Mayor; nmacdonald@pittmeadows.ca; westb@portcoquitlam.ca; mlahti@portmoody.ca; clrzhou@vancouver.ca; Deb McKinnon; bmcnulty@richmond.ca; aloo@richmond.ca; ghepner@surrey.ca; harry.bains@surrey.ca; rob.stutt@surrey.ca; pardeep.kooner@surrey.ca; Doug Elford; lcassidy@tsawwassenfirstnation.com; ken.sim@vancouver.ca; clrdominato@vancouver.ca; Sarah.Kirby-Yung@vancouver.ca; clrbligh@vancouver.ca; clrkirby-yung@vancouver.ca; clrklassen@vancouver.ca; peter.meiszner@vancouver.ca; Mark Sager; mknight@whiterockcity.ca
Cc: michael.Wolfe@richmond.ca; Rosemary Wallace; Steve Darling; paul.weverink@anmore.com; dmarsden@coquitlam.ca; tbaillie@tol.ca; alison.gu@burnaby.ca; lwatt@westvancouver.ca
Subject: Feedback on Metro Vancouver's SWMP
Attachments: Feedback on the 2026 Metro Vancouver Solid Waste Management Plan.pdf

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Thank you for the opportunity to provide this feedback (attached).

Sue Maxwell
Chair, Zero Waste BC
[redacted]
smaxwell@zerowastebc.ca
www.zerowastebc.ca

Zero Waste BC is a non-profit society that has been championing Zero Waste since 2008 with a mission to drive systemic change towards Zero Waste in BC.
I humbly acknowledge that the land on which I live, work and play is in the unceded territories of the Skwxwú7mesh (Squamish Nation) and Lil'wat7úl (Lil'wat Nation).

ZERO waste
BRITISH COLUMBIA

July 6th, 2026

To the Metro Vancouver Board, zerowaste@metrovancouver.org + Minister Davidson

Feedback on the 2026 Metro Vancouver Solid Waste Management Plan

Zero Waste BC has been following the progress of the development of the updated solid waste management plan closely, with multiple members sitting on the Public Technical Advisory Committee (PTAC) (and its three working groups), two presentations to the Metro Vancouver Zero Waste Committee and working on two of the public engagement opportunities as partners. Our mission is to advance Zero Waste in British Columbia and so it is important to have a strong plan for the largest regional district in BC.

While we appreciate the enhanced effort that has gone into more robust engagement, we have serious concerns with this plan and the planning process. These issues include concerns around the process:

- The plan has taken far too long to develop (7 years for a ten year plan that was due n 2021).
- The planning process did not meet the Ministry guidelines. Additional review of how the plan compares to Ministry guidelines for waste planning and inclusion of waste to energy in a plan are in Appendix A.
- Input and feedback from the PTAC, the Industry Advisory Committee and the public was routinely ignored and very few changes were made as a result of the robust engagement process. This started with ongoing discussions about an appropriate hierarchy, definitions for recycling and diversion, lack of ambition in using the suggestions from the three working groups and concluded in ignoring the 98% of written submissions on the first draft of the plan which called for closing the incinerator (which included a petition of 375 individuals and 10 organizations). Written submissions also showed clear support for stronger targets, use of the Zero Waste hierarchy and investment in zero waste solutions rather than disposal.
- Notes from the Public Technical and Industry Advisory Committees routinely minimized advice on adopting the zero waste hierarchy and stopping incineration until the Independent Engagement Panel members started attending the meetings following complaints (see ZWBC's letter here).
- There was a lack of transparency on meetings with the Regional Engineers Advisory Committee, Regional Administrators Advisory Committee, Regional Waste Reduction Coordinators, and First Nations.
- Expert consultants were hired but they were not visible after the start of the process and their involvement was very limited.
- While there was the positive aspect of more focus on engaging people who may not have participated in the past, no engagement occurred on key regulatory measures that

would be needed for a successful plan, which was a missed opportunity and will cause more time delays before implementation.

- There was no analysis for local residual waste disposal options and no analysis of what continued use of the incinerator would cost (despite the fact that a condition assessment report was commissioned in 2023 - redacted version available here, obtained through a FOIPPA request only provided after the Board approved the plan despite a request starting in 2025). There was no analysis of costs, alignment with goals nor GHG or other impacts. When ZWBC provided an analysis using publicly available information, these were ignored or refuted with no supporting evidence.
- Metro Vancouver obfuscated on actual comparable costs of the four options (Zero Waste, Vancouver Landfill, Incinerator, external landfills). Additional information was provided to ZWBC under an FOIPPA request. (See our letter to the Metro Vancouver Board March 24, 2026 and spreadsheet used for calculations)
- While time was passing, contracts for the incinerator were getting locked in under the outdated old plan while Metro Vancouver continued to resist implementing pollution mitigation requirements that had been clear since 2011.

There are also fundamental problems with the plan:

- The targets are weak with most missing five year targets and using rolling averages so accountability will be poor.
- There are no firm commitments to deliver on the plan (senior staff continue to state to local elected officials that actions will be decided year by year by future boards). This "business casing" approach means that there is no point in having a plan, instead it is a list of unfunded options.
- The action timetables and budgets lack commitment and detail.
- The capital budget beyond the existing approved Metro Vancouver five year budget (which was developed and approved without input from the planning process) has no detail at all ($510 million capital costs added from draft 1 to draft 2 but does not state what this is for).
- See here for additional elements covered in the feedback provided to the PTAC.

To correct this, the plan should be amended to have:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
    a. Waste prevention
    b. Reuse and Repair
    c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.

   d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution
   e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

Overall the process has felt like a way to maintain the status quo with the outcomes predetermined. We recommend that neither the Metro Vancouver Board nor the Ministry approve this plan until the deficiencies are rectified. If the Ministry were to approve such a poor plan, it would only weaken all future plans across the province. It is also important to ensure that any changes to the existing incinerator or new disposal capacity be required to go through the amendment process before any work is started.

Sincerely,
Sue Maxwell
Board Chair
Zero Waste BC

ZERO waste BRITISH COLUMBIA

Appendix A- Comparing Metro Vancouver's draft SWMP to Provincial guidelines

The Metro Vancouver draft Solid Waste Management Plan and process have been compared to two sets of provincial guidelines: the first is for solid waste management planning and the second is for inclusion of waste to energy in a plan.

1. Comparison to the Provincial solid waste planning guidelines

https://www2.gov.bc.ca/assets/gov/environment/waste-management/garbage/swmp.pdf

Guidance	Adherence
A.2.3. Targets	Only one 5 year target and original draft had most targets over 10 years out.
B1.1. Initiate plan update	resolution in 2019
B1.2 Set up teams and committees, plan to engage with First Nations	Yes
B1.3 Design the consultation process	Yes, unclear on engagement with community interests (Community associations and ratepayers' groups: Chambers of commerce, local businesses and business associations, Consumer groups, Educational institutions, school districts); ICI interests, Out of region interests but other categories are represented. While the process meets the "adequate" consultation steps, it has failed to incorporate the feedback from the process into the plan
B.1.4. Develop the budget	Not public
B.2.1. Identify principles, goals and targets	Note that despite numerous suggestions to do otherwise, zero waste and circular economy are not in the guiding principles; it does not promote the first 3Rs; it does not mention preventing organics and recyclables from going to disposal; collaboration with other RDs, nor partnerships. Rationale for difference from provincial guidelines unclear (checklist point 9).
B.2.2 Prepare background information	Missing population forecast and waste forecast, economic base information, topography, section on climate

B.2.3. Assess the current solid waste management system	Fails to note the "international" and "special handle" waste and if it is approved for management at the incinerator; overview of Metro Vancouver's own system but almost nothing about the overall system (such as drive times and inclusion of municipal-run depots, existing reuse and reduction aspects, existing municipal policies, existing product stewardship programs and EPR collection locations, collection pathways by area and material, existing and planned solid waste management capacity including remaining capacity and critically: projected needs, and education programs -regional and municipal). The plan does not include a review of what is working well or not (strengths, areas for improvement, implementation of existing plan, meeting targets and information gaps). The plan does not identify drivers for its development (i.e., current challenges and opportunities for regional MSW management) (checklist point 10). The plan does not include an analysis of efficiency / consistency opportunities with other regional districts and any options that have been pursued. (checklist point 11). The plan has a map of Metro Van disposal facilities but is missing the location of non-disposal facilities, non-Metro Vancouver facilities and external facilities as well as closed landfills. (checklist point 12)
B.2.4. Consider trends affecting solid waste management	There is no section on the plan for this but should include: closure of facilities burning wood waste, stricter standards for emissions, increase in plastic packaging, expansion of EPR programs, impacts of federal and provincial plastic actions, increase in interest for refill and deconstruction and closure of incinerators in Oregon and California.(checklist point 14)
B.2.5. Consult the public	Consultations were held but feedback was routinely ignored. The version of the vision, principles and hierarchy approved had not been discussed by the Industry nor Public-Technical Advisory Committees.
B.3.1. Develop potential strategies	Strategies were suggested and some were evaluated. The evaluation process was obscure in terms of how the principles were defined and applied (for example, affordability was assumed to just refer to amount of tipping fees rather than the full costs that may be incurred or avoided such as through systems to minimize waste).

B.3.2. Assess the financial and administrative implications	There has been no financial analysis nor assessment of the administrative implications. The plan leaves it up to future Boards and their budgets to determine if any actions will take place. There is also the mention of the need for business cases for future actions meaning that most actions will take far longer and this plan does not commit the region to any actions. It also means that there has been no strategic look at what is the most cost effective way to manage waste with no information provided to decision makers except for an oddly contorted calculation for disposal costs for one anomalous year with no look to the future and not including the results of a maintenance assessment for the incinerator commissioned in 2023. Triple bottom line estimates have not been conducted. Note for borrowing, Metro Vancouver will need an approved plan that includes capital costs related to projects identified in plan. The first draft plan had the existing five year budget (with no provisions for any additional funds to enact actions) included but there were no details on capital costs and the second draft noted $900 million in capital costs but this was not substantiated with any details. These details need to be provided and consulted on before plan approval, and certainly before any borrowing occurs. None of the checklist point 17 criteria are met.
B.3.3. Consult the public and interested parties on the options	Consultations were held but feedback was routinely ignored.
B.4.1. Prepare draft plan	Despite intentions for additional transfer stations, the use of schedules has not been implemented meaning plan amendments will be more complex. Missing: An inventory of closed facilities, terms of reference for committees, product stewardship programs and collection facilities in the plan area, links to municipal and regional district bylaws respecting waste management, a listing of current tipping fee information. The plan does contemplate new facilities for management of MSW but does not describe a process for the development of the new recycling and waste centres. (checklist point 13)

	The plan has clearly defined roles for municipalities but less so for other actors. It is unclear if it has secured support for these from the member municipalities. It is also less clear on how the plan may support them. The risk analysis is weak. (checklist points 15 & 16) The plan does not lay out the environmental, social and economic impacts. (checklist point 18). The implementation schedule added for the second draft does not show when plan targets will be met (checklist point 21 and are being presented to the Board as possible time frame with the Board to decide if any of the actions will actually happen on a case by case basis in the future. There are no firm schedules nor plans to update schedules
B.4.2. Consult the public on the draft plan –"there should be a demonstration that interested parties were consulted during the development of the plan and that the outcome of consultation was considered in the finalization of the plan."	Consultations were held but feedback was routinely ignored. For example, 420 of 430 public comments =98% (including a petition and framework) called for the closure of the incinerator yet the response was to point to a flawed disposal cost calculation rather than a comprehensive, forward-looking residuals disposal option analysis. Note the consultation summary has not shown how the public consultation was used to influence the plan, the rationale for why each option was not being pursued, the impact on the neighbouring regional districts, nor the level of public support for each option. No consultation were held regarding any new bylaws (a missed opportunity especially given the length of the planning process).(checklist point 22)
B.4.3. Prepare final draft for submission	Note the second draft did not incorporate the intention or changes suggested in much of the feedback, in fact sometimes the changes were made in the opposite direction (for example, a call to remove energy recovery from the recovery section and ensure it focused on material recovery led to the material recovery aspect being deleted). In addition, a request for a comprehensive analysis and look at the risks of the incinerator led to a new strategic principle being added supporting "local waste management" without showing

	broad support for this in the feedback nor reflecting a triple bottom line analysis that would support it.

This was the most recent stage reached as of March 31, 2026.

2. **Comparing the plan to the Provincial guidelines for waste to energy**

https://www2.gov.bc.ca/assets/gov/environment/waste-management/garbage/wtefactsheet.pdf

Criteria

Guidance	Adherence
All Regional Districts that plan to direct a portion of their MSW to a WTE facility must seek an amendment to their SWMP, prior to considering WTE as a waste management option, that adds sufficient detail which:	
a) Identifies a municipal solid waste disposal rate target of 350 kg/capita/year with measurable interim targets set and met throughout the planning and implementation process;	The plan mentions a target of 350 k/person by 2031 but no measurable interim targets are set nor a concrete plan for how to meet this target (no schedule outlining financial, staff and other resources to be used to implement the plan. In fact, the budget requirements are being left to future business cases and future board approvals. Also, the plan notes it will use rolling five year averages making it harder to see effective changes. The muddying of the water by including some forms of recovery as not being included in "disposal" means that clarity on what is included or not in the calculations will be important.
b) Highlights that WTE planning and capacity is conducted only after considering the higher levels of the hierarchy and does not impede efforts to achieve higher levels of reduction, re-use and/or recycling initiatives; and	Despite strong support for actions at the higher levels of the hierarchy at the Public Technical Advisory Committee and in public feedback, this plan remains committed to high levels of spending and resource dedication to burning waste rather than preventing it. The financial resources required to maintain the incinerator are at the expense of meaningful actions on reduction, reuse and recycling.

c) Authorizes the WTE facility to accept MSW for treatment and/or disposal.	While the plant is authorized to accept MSW, there remains the outstanding requirement for research and engagement to update the Operational Certificate.
The guide further notes:	
In order to be considered under the 4th R of the hierarchy, the Ministry expects that the facility has an energy efficiency of at least 60% as measured over a 12-month period. When a WTE facility does not achieve 60% energy efficiency over a period of 12 months, the Ministry will consider that WTE facility as a Residual Management facility (5th R)	The facility has never met this criteria and the plan acknowledges that the incinerator is a form of disposal. However the plan includes a goal to focus on recovery using other waste to energy that it will claim to be a form of recovery without proving that it would meet this consideration.
The Ministry expects that the criteria in Table 1 be met for all WTE facilities*:	
Local governments contributing MSW to a facility must have an approved SWMP that authorizes and/or recognizes the WTE facility to accept and dispose of MSW. The SWMP is expected to include a municipal solid waste disposal rate target of 350 kg/capita/year before considering the use of WTE technologies for managing MSW. In addition, the SWMP should prioritize strategies that would help reduce, reuse and recycle waste, and ensure that WTE is not impeding these efforts.	Key aspects are noted above . In addition, the plan is not as clear as it should be on where materials will flow for disposal, including to cement kilns and pulp and paper mills.
Assessment and comparison of waste management treatment and disposal options should be completed.	This has not been done. The Residual Disposal Options Analysis was vague, not locally specific, not looking at best practices, and did not look at effectiveness, costs nor options higher on the hierarchy.
Adopt the best achievable technology. This should be determined by assessing feasible options based on reliability, cost effectiveness and discharge intensity.	This was not done. In addition, a report commissioned in 2023 to look at the maintenance and capital requirements for the incinerator has yet to be completed and thus did not

	inform the plan. Recent reliability issues were also not noted in the plan.
Clearly identify viable solutions for disposal or beneficial use of bottom ash, fly ash and/or liquid by-products.	The proposed use of bottom ash does not adhere to the precautionary principle and the destination for fly ash is not clear on if the material is going to a landfill designed to handle hazardous waste.
The emissions from a facility must meet the Ministry's Factsheet Air Emissions Combustion of Municipal Solid Waste and emission requirements set out in the site specific authorization for the facility.	The facility does not meet the Ministry's Factsheet Air Emissions Combustion of Municipal Solid Waste despite this factsheet being released in 2011 and giving clear warning that existing facilities should comply by 2013. The emission requirements for the Operational Certificate may be met however Metro Vancouver has long been resisting adoption of the 2011 requirements, with subsequent deadlines set for 2025 (unmet) and 2028 (appealed). The result is that now Metro Vancouver must conduct research and engagement to establish new parameters. It should be noted that other jurisdictions have stronger requirements and the factsheet notes "As other jurisdictions update emission limits for MSW combustion facilities and technologies and techniques improve, the Ministry will update the guideline as appropriate".

* The guide states "This information applies to thermal treatment technologies such as mass-burn incineration (including **cement kilns and pulp and paper mills**), gasification and pyrolysis that recover energy from MSW, but does not apply to anaerobic digestion and agricultural greenhouses and does not describe site specific requirements of proposed facilities" (emphasis ours).

Conclusion

The Ministry should not approve the plan as is as several key steps have been missed and requirements remain unmet.

From: Catarina Moreno [redacted]
Sent: July 7, 2026 8:34 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: feedback on the Metro Vancouver Solid Waste Management Plan

Follow Up Flag: Follow up
Flag Status: Completed

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi,

My key feedback is to amend the plan to include:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
    a. Waste prevention
    b. Reuse and Repair
    c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution
    e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

Thanks,
Catarina

From: Katherine Maas [redacted]
Sent: July 7, 2026 4:34 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: Urgent Feedback on the Final Metro Vancouver Solid Waste Management Plan

Follow Up Flag: Follow up
Flag Status: Completed

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

As the deadline for submitting final feedback on the Metro Vancouver Solid Waste Management Plan approaches on August 1, 2026, I am writing to express my deep concerns about the plan's failure to address critical challenges and to urge immediate revisions.

Despite extensive collective efforts—including participation in the Public Technical Advisory Committee, hosting engagements, conducting analysis, meeting with Metro Vancouver staff and elected officials, submitting a petition with over 350 signatures calling for the closure of the incinerator and a shift toward zero waste, and providing feedback on the draft plan—I am disheartened to see that the final plan does not reflect the key issues raised.

To ensure the plan aligns with the principles of sustainability, accountability, and public health, I urge the following amendments:

1. Adopt the Zero Waste Hierarchy and Definition: Center this framework in the plan to prioritize waste reduction, reuse, and recycling over disposal.
2. Set Ambitious Targets: Establish clear, time-bound interim targets to track progress toward zero waste.
3. Phase Out the Incinerator: Develop a concrete plan to phase out the incinerator, or, at minimum, provide a detailed analysis of residual disposal options, including their social, environmental, and financial impacts.
4. Comprehensive Zero Waste Plan: Include a clear roadmap for:
    - Waste Prevention: Reducing waste at the source.
    - Reuse and Repair: Expanding programs to extend the lifespan of products.
    - Recycling and Composting: Enhancing programs to ensure simplicity, consistency, and accessibility for all sectors, including multifamily residences, businesses, institutions, and industries.
    - Reducing Toxicity: Implementing measures to decrease the use of hazardous materials and emissions.
    - Enforcement: Strengthening existing bans with inspections, clear bag requirements, and mandatory source separation.

5. Consumption-Based Emissions Metrics: Incorporate metrics to assess the environmental impact of consumption patterns and align actions with climate goals.

6. Commitment to Transparency: Ensure regular reporting using zero waste definitions for recycling. Diversion rates must exclude items sold as fuel or burned for energy, as these do not represent true waste reduction.

The Ministry of Environment will play a pivotal role in approving this plan. We urge you to prioritize these amendments to create a sustainable, equitable, and transparent waste management strategy for Metro Vancouver.

I appreciate your attention to this urgent matter.

Sincerely,

Katherine Maas

--
Katherine Maas
[redacted]

You will observe with concern how long a useful truth may be known and exist before it is generally received and practiced on. — Benjamin Franklin

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: July 8, 2026 10:11 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: ENV.Mail@gov.bc.ca; DM.ENV@gov.bc.ca
Subject: HSR Zero Waste Feedback Metro Vancouver's March 2026 Draft SWMP
Attachments: HSR_Zero_Waste_Response_MV_March_2026_Draft_SWMP.pdf

Follow Up Flag: Follow up
Flag Status: Completed

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear recipient;

Please ensure this submission is included in the record for the Metro Vancouver Draft Solid Waste Management Plan and forwarded to the Ministry of Environment and Parks staff responsible for review and approval of the Plan.

Sincerely,

Jamie Kaminski, ZWa & TRUE Advisor
President
HSR Zero Waste

(604) 464-0242 ext 109
jamie@hsrzerowaste.com
hsrzerowaste.com
Port Coquitlam, BC, V3C 1K6

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Award Winner — Clean50 Top Project

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and extend appreciation for the opportunity to work on this territory.

HSR Zero Waste Response

Metro Vancouver's 2026 Solid Waste Management Plan

Prepared by Jamie Kaminski, President

HSR Zero Waste / Happy Stan's Recycling Services Ltd.

July 8, 2026

Core message

The plan includes more language on prevention, reuse and recycling, but it still does not provide the funding, enforcement, accountability and infrastructure direction needed to achieve meaningful progress before materials enter the disposal system.

To: Metro Vancouver Board of Directors and Zero Waste Committee

Cc: BC Ministry of Environment and Parks

Subject: HSR Zero Waste comments on Metro Vancouver's March 2026 Draft Solid Waste Management Plan

HSR Zero Waste Response to the Final Draft Solid Waste Management Plan

HSR Zero Waste appreciates the opportunity to provide further comments on Metro Vancouver's March 2026 Draft Solid Waste Management Plan. We have participated in this process over multiple stages and have provided previous submissions focused on waste hierarchy, measurement, enforcement, funding, residual waste, and the evidentiary basis for continued reliance on the Burnaby Waste-to-Energy Facility.

This response is intended to continue and supplement HSR Zero Waste's previous comments. It also reflects our review of the final draft plan, the issues raised by Zero Waste BC, and recent international discussion on responsible residuals management, including biological stabilization before landfilling.

The final plan includes expanded discussion of waste prevention, reuse, recycling, organics, construction and demolition materials, and circular economy language. HSR recognizes these additions. However, the plan still lacks several of the practical commitments needed to achieve meaningful progress in those areas. It also continues to rely heavily on downstream disposal and post-disposal activities to achieve many of its desired outcomes.

Core concern

The plan says more about preventing waste, but it does not sufficiently shift funding, enforcement, staff resources, regulatory effort, or infrastructure planning toward preventing discards and waste before they enter the disposal system.

Summary of HSR assessment

Limited improvements acknowledged: The final plan includes clearer targets, some sector-specific diversion targets, stronger focus areas, and more discussion of prevention, reuse, organics, plastics, construction and demolition materials, accessibility, and public reporting.

Core recommendations remain unresolved: HSR's central recommendations on diversion accounting, the Zero Waste Hierarchy, enforceable delivery mechanisms, dedicated upstream investment, black/opaque bag inspection, and the evidentiary basis for long-term incineration reliance have not been fully addressed.

Residuals management remains incomplete: The plan continues to focus on energy recovery, landfill gas utilization, bottom ash use, and optimization of existing disposal facilities. It does not establish residuals management as a harm-reduction function, nor does it evaluate biological stabilization before landfilling.

Approval should be conditional: HSR does not recommend approval of the plan in its current form without revisions or approval conditions that address the issues below.

Relationship to HSR's previous submissions

The table below summarizes key HSR recommendations and how they are addressed in the final plan.

HSR recommendation	Final plan response	HSR assessment
Adopt clear definitions and align accounting with the Zero Waste Hierarchy.	The plan distinguishes recycling and diversion, but diversion still includes materials used to create alternatives to fossil fuels.	Not resolved.
Do not count recovery after disposal as diversion.	The plan continues to credit recovered materials and fuel-substitution pathways within diversion-related reporting.	Not resolved.
Set sector-specific targets and reporting for residential, IC&I, and C&D.	The plan adds sector-specific diversion targets for 2036 and 2050.	Partially addressed; interim targets and separate annual public reporting are still needed.
Strengthen disposal bans and inspection systems.	The plan references disposal ban enhancements and potential clear bag policies, but does not commit to inspectable loads or systematic black/opaque bag inspection.	Partially addressed; not yet a delivery commitment.
Shift investment toward prevention, reuse, repair, and source separation.	The plan discusses these areas, but current expenditure allocation remains heavily weighted toward recover and dispose.	Not resolved.
Provide a clear evidentiary basis for continued long-term use of the Burnaby Waste-to-Energy Facility.	The plan continues to rely on the facility and district energy projects, but does not provide the requested lifecycle, financial, regulatory, and residual waste scenario analysis.	Not resolved.
Align residuals management with environmental harm reduction.	The plan discusses disposal capacity, energy recovery, landfill gas, and bottom ash beneficial use, but does not establish harm reduction as the primary residuals objective.	Not resolved.

1. Waste hierarchy and recovery language remain problematic

The plan continues to use a Metro Vancouver hierarchy that includes energy recovery as a level above disposal. HSR does not support this approach. Energy recovery, refuse-derived fuel, use of discards in cement kilns, and other fuel-substitution pathways destroy materials and remove them from productive material circulation. These activities should not be presented as equivalent to recycling, composting, or material conservation.

If Metro Vancouver chooses not to adopt the Zero Waste Hierarchy, the plan should clearly explain that it is using an alternative waste hierarchy and should avoid implying that energy recovery is part of a Zero Waste approach. More importantly, the performance metrics must not reward fuel substitution or energy recovery as diversion.

2. Diversion accounting must be corrected

HSR's most significant remaining concern is the treatment of recovery and diversion. The plan defines the diversion rate as including material recycled plus material used to create alternatives to fossil fuels. This blurs a critical distinction between source-separated recycling and downstream recovery or fuel substitution.

Diversion should measure materials prevented from entering disposal through waste prevention, reuse, source-separated recycling, and source-separated composting or anaerobic digestion. Once a material has entered the residuals or disposal system, the opportunity for diversion has passed. Any recovery after that point may still provide environmental benefit, but it should be reported separately.

This is particularly important for materials recovered from incinerator ash, bottom ash used in construction materials, refuse-derived fuels, and materials sent to cement kilns or other industrial combustion processes. Counting these pathways as diversion creates a poor precedent by encouraging jurisdictions to improve reported diversion statistics through post-disposal recovery rather than preventing disposal in the first place.

3. Funding and implementation remain weighted toward downstream management

The final plan includes substantial language on prevention, reuse, repair, circular economy, and recycling. However, the financial and implementation framework does not demonstrate a comparable shift in resources toward those outcomes.

Metro Vancouver's own expenditure table shows $5.5 million allocated to Rethink, Reduce, and Reuse compared with $120 million allocated to Recover and Dispose in the 2026 operating budget. The plan also states that many actions will be brought forward later through annual budget processes and business cases. This means that many of the actions most important for prevention and reuse remain dependent on future decisions rather than being committed within the plan itself.

HSR is not suggesting Metro Vancouver must own or operate every reuse, recycling, repair, composting, or processing system. Many of these systems are best delivered by private industry, non-profits, producer responsibility organizations, social enterprises, member jurisdictions, First Nations, and community partners. However, the plan should clearly show how Metro Vancouver will help these systems develop and perform through policy, procurement, regulation, land-use support, data collection, market development, partnerships, targeted funding, and enforcement.

4. Sector-specific targets need stronger reporting and accountability

HSR supports the addition of sector-specific diversion targets for single-family, multi-family, commercial/institutional, and construction and demolition sectors. This is an improvement from prior drafts.

However, sector targets need to be supported by separate annual reporting, interim targets, and action-specific accountability. Construction and demolition diversion should not be used to mask underperformance in residential, multi-family, or IC&I systems. The plan should report generation, disposal, recycling, composting, recovery, and contamination by sector wherever data allows.

Metro Vancouver should also report total tonnes alongside per-capita metrics. Per-capita targets are useful, but total generation and total disposal remain important for infrastructure planning, greenhouse gas impacts, and public accountability.

5. Disposal bans and inspections require stronger commitments

HSR continues to recommend stronger use of Metro Vancouver's existing disposal bans and inspection authorities. Education alone will not deliver the required level of source separation across multi-family, IC&I, and construction and demolition sectors.

The plan should require loads to be meaningfully inspectable. This can be achieved through clear bag requirements, limits on opaque bags, safe protocols for opening and inspecting black bags, or other inspection systems that prevent bagged waste from bypassing enforcement. Non-inspectable loads should not receive an automatic pass.

The plan should include inspection frequency targets, standardized inspection protocols, public reporting of inspection outcomes by material and sector, escalating consequences for repeat offenders, and compliance plans for generators or haulers with repeated banned-material violations.

6. Continued reliance on the Waste-to-Energy Facility remains insufficiently justified

HSR previously requested the evidentiary basis for continued inclusion of the Burnaby Waste-to-Energy Facility as a necessary component of the plan. The final plan does not provide a sufficient response.

The facility is an aging mass-burn incinerator that handles roughly a quarter of the region's garbage and produces significant quantities of fly ash and bottom ash. The plan describes electricity generation, metals recovery, district energy, and potential beneficial use of bottom ash. These descriptions do not demonstrate that continued operation through the plan horizon is necessary, lower risk, or preferable to other residual management pathways under realistic waste reduction scenarios.

Metro Vancouver should provide transparent comparative analysis of residual management options, including lifecycle financial costs, capital reinvestment, emissions, ash management, regulatory risk, public health considerations, enforceability of disposal bans, climate alignment, and the consequences of declining residual volumes. If the facility remains in the plan, the plan should include a pathway to reduce dependence on it as prevention, reuse, recycling, and organics diversion improve.

7. Residuals management should focus on minimizing harm

Once materials enter the residuals management system, the policy objective should shift. The goal should no longer be improving diversion statistics or maximizing energy recovery. The primary objective should be minimizing further harm to human health and the environment.

This means reducing pollution, minimizing greenhouse gas emissions, preventing leachate and air impacts, safely containing hazardous constituents, managing ash and other residuals conservatively, and reducing long-term environmental liability. Recovery of recyclable materials from residuals can still provide environmental benefit, but it should remain secondary to harm reduction and should be reported separately from diversion.

The plan should clearly distinguish between pre-disposal material conservation and post-disposal residual management. Without this distinction, the plan risks treating downstream correction as if it were equivalent to successful waste prevention or recycling.

8. Biological stabilization before landfilling should be evaluated

HSR recommends that Metro Vancouver add biological stabilization of fermentable residual materials before landfilling to its residuals management work program. This should be considered as part of responsible landfill management and residual harm reduction, not as diversion.

International discussion and European practice increasingly recognize that landfilling untreated residual waste can create avoidable methane, leachate, odour, and long-term management risks. Mechanical-biological treatment or biological stabilization can reduce the biological activity of residual waste before landfilling. In some systems, anaerobic digestion may be used to recover biogas, but final stabilization of mixed residual organics generally requires an aerobic step before landfilling.

Metro Vancouver should study whether biological stabilization is appropriate for residual waste streams that cannot currently be prevented, reused, recycled, or composted. The study should evaluate environmental benefits, costs, emissions, land requirements, technology options, compatibility with the Vancouver Landfill and remote landfills, and potential impacts on disposal capacity. Any stabilized residuals must still be reported as disposal, not diversion.

9. Plan approval should require conditions or revisions

HSR does not recommend approval of the plan as currently written. At minimum, the Metro Vancouver Board and the Ministry of Environment and Parks should require revisions or approval conditions addressing the issues in this submission.

HSR also recommends that significant changes to disposal infrastructure, Waste-to-Energy Facility operations, bottom ash beneficial use, major residual treatment facilities, new disposal capacity, or long-term disposal contracts be subject to transparent public review and, where appropriate, plan amendment processes before implementation.

Recommended revisions before approval

HSR Zero Waste recommends that Metro Vancouver revise the plan, or that Ministry approval include conditions requiring Metro Vancouver to:

1. Adopt the Zero Waste Hierarchy and definitions, or clearly state where Metro Vancouver's hierarchy differs and ensure performance metrics do not reward energy recovery or fuel substitution as diversion.
2. Revise diversion accounting so that diversion includes only prevention, reuse, source-separated recycling, and source-separated composting or anaerobic digestion. Post-disposal recovery should be reported separately.
3. Create separate public reporting for residential, multi-family, IC&I, and construction and demolition sectors, including total tonnes generated, recycled, composted, recovered, and disposed.
4. Set clear interim targets within the plan period, not only 2036 and 2050 targets, and identify corrective actions if targets are not being met.
5. Establish a funded implementation schedule for waste prevention, reuse, repair, source separation, organics, recycling, and construction and demolition material reduction, including assigned responsibility and staff/resource requirements.
6. Strengthen disposal bans through clear or inspectable bag requirements, standardized inspection protocols, increased inspection frequency, public reporting, and escalating enforcement.
7. Provide a transparent comparative residual management analysis, including lifecycle financial, environmental, regulatory, public health, climate, and enforcement considerations for the Waste-to-Energy Facility, Vancouver Landfill, remote landfills, biological stabilization, and other options.
8. Develop a strategy to reduce long-term reliance on mass-burn incineration as waste prevention and source separation improve.
9. Evaluate biological stabilization of fermentable residual materials before landfilling as part of responsible landfill management and residual harm reduction.
10. Apply the precautionary principle to bottom ash, fly ash, and any proposed beneficial use of incinerator residues, including full transparency on testing, destination, liability, and long-term environmental risk.

11. Ensure major disposal infrastructure changes, bottom ash use, new residual treatment facilities, or long-term disposal contracts are subject to public review and plan amendment where appropriate.

Conclusion

Metro Vancouver's March 2026 Draft Solid Waste Management Plan includes more language on prevention, reuse, recycling, and circular economy than earlier drafts. However, the plan still does not provide the funding, enforcement, accounting, implementation, and residual management framework needed to deliver meaningful progress in these areas.

The plan should prevent discards and waste before they enter the disposal system. When materials do enter the residuals system, the plan should focus first on minimizing harm to human health and the environment. Energy recovery, ash use, fuel substitution, and other post-disposal recovery activities should not be used to inflate diversion or obscure the need for stronger upstream action.

HSR Zero Waste respectfully requests that the Board and the Ministry require revisions or approval conditions before the plan is accepted.

Sincerely,

Jamie Kaminski
President
HSR Zero Waste / Happy Stan's Recycling Services Ltd.

Documents reviewed and referenced

- Metro Vancouver, Draft Solid Waste Management Plan, March 2026.
- HSR Zero Waste, Proposed Framework for Metro Vancouver's Next Solid Waste Management Plan, February 17, 2026.
- HSR Zero Waste, Six Structural Corrections Required in the Draft Solid Waste Management Plan, 2026.
- HSR Zero Waste, Request for Evidentiary Basis for Continued Inclusion of Burnaby Waste-to-Energy Facility, February 17, 2026.
- HSR Zero Waste, Evidentiary Basis and Policy Alignment - Draft Solid Waste Management Plan, 2026.
- Zero Waste BC, Feedback on the 2026 Metro Vancouver Solid Waste Management Plan, July 6, 2026.
- Zero Waste International Alliance, Zero Waste Hierarchy 8.1, 2025
- Matthias Kuehle-Weidemeier, Basics of MBT and Waste Management System in Germany, International Symposium MBT 2005.

From: Lilly Woodbury <lwoodbury@surfrider.ca>
Sent: July 14, 2026 1:37 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: Minister, ENV ENV:EX
Subject: Concerns about Metro Vancouver's Draft Solid Waste Management Plan

Follow Up Flag: Follow up
Flag Status: Completed

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Hello,

we hope this email finds you well. I'm reaching out on behalf of Surfrider Foundation Canada, a Canadian charity dedicated to the protection and enjoyment of the ocean, beaches and waves, for all people.

The final Metro Van Solid Waste Management Plan is still missing crucial zero waste elements. Despite our efforts (alongside many other organizations) to engage in this process and give feedback, there are still major gaps in the final plan.

Our key concerns and recommendations include the points below, which we urge you to address in the Solid Waste Management Plan:

1. Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour of more work on reduction.
2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan.
3. Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. Dioxins have been found in high concentrations on the incinerator roof and nearby rooftops. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.
4. Invest in zero waste solutions such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include:
    - Waste prevention such as cutting unnecessary packaging and preventing food waste.
    - Reuse and Repair: making it easier so unusable items do not get thrown out.
    - Recycling and Composting: enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    - Reducing toxicity: include actions to decrease the use of toxic materials as well as the emission of toxic pollution

    - Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.
5. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions.
6. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented.
7. Pledge to be transparent – report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.
8. Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.

We can meet anytime to discuss these points in greater detail.

Many thanks,

--
Lilly Woodbury
Campaigns and Storytelling Director
Surfrider Foundation Canada
[redacted]
205 - 633 Courtney St., Victoria, BC V8W 19B
Pronouns: she/her
Become a Member Today!

I respectfully acknowledge the traditional unceded territories of the ʕaaḥuusʔatḥ (Ahousaht), hiškʷiiʔatḥ (Hesquiaht First Nation), ƛaʔuukʷiʔatḥ (Tla-o-qui-aht First Nations), tukʷaaʔatḥ (Toquaht Nation) and Yuułuʔiłʔatḥ (Ucluelet First Nation) peoples on which I live.

From: Elizabeth Kerklaan [redacted]
Sent: Friday, July 10, 2026 7:28 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: feedback on Solid Waste Plan

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Hello:
I am writing with regards to the Solid Waste Plan. I feel the targets it sets are not very ambitious considering how advanced climate change is already. We need to act much faster than the plan currently indicates. I would like to see a plan for the phasing out of the incinerator.
Burning of waste is a significant contributor to greenhouse gas emissions.
Thank you for your consideration,
Elizabeth Kerklaan
[redacted]

From: Jane Paddon [redacted]
Sent: July 16, 2026 8:09 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Solid waste management.

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear sir,

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
   a. Waste prevention
   b. Reuse and Repair
   c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
   d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution.
   e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

From: [redacted]
Sent: July 15, 2026 3:38 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: Metro Vancouver's Solid Waste Management Plan

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The final plan to be submitted to the province does not address any of the key challenges of the plan, including still running the incinerator. Please amend the plan to:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.

2. Set ambitious targets in the time frame of the plan with clear interim targets.

3. include a phase-out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).

4. include a clear plan for timing, staffing and funding of zero waste solutions including:
   a. Waste prevention
   b. Reuse and Repair
   c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
   d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution.
   e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.

5. Include of consumption-based emissions metrics associated with actions. 6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

sincerely Sheila Adams [redacted]

From: burns [redacted]
Sent: July 16, 2026 7:46 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.ca
Subject: Shut down the Metro Vancouver Incinerator

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Zero Waste,
I note that the final plan on the Metro Vancouver Incinerator does not address any of the key challenges of the plan. It definitely does not provide for the shutting down of this incinerator. I therefore write to urge you to amend the plan to include:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
a. Waste prevention
b. Reuse and Repair
c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution.
e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

This is important for the health of all those living in the Metro Vancouver area. Air quality affects life and longevity.

_____
Susan Burns
[redacted]

From: Trevor Leyenhorst [redacted]
Sent: July 19, 2026 10:51 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: info@zerowastebc.ca; env.minister@gov.bc.ca
Subject: Re: Feedback | Metro Vancouver Solid Waste Management Plan

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Dear Waste Services Team and the Honourable Tamara Davidson,

Thank you for accepting feedback on the management plan. Such a huge undertaking!

Despite a circular economy focus, the plan needs these improvements:

1. Use and integrate the Zero Waste Hierarchy and definition.
2. Set ambitious targets in the time frame of the plan with clear interim targets (ie. SMART goals).
3. An incinerator phase-out plan (or at least a clean detailed analysis for residual disposal with social, environmental, and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
   a. Waste prevention.
   b. Reuse and Repair.
   c. Recycling and Composting. (Enhance programs to be simple and consistent to properly capture clean materials. Multifamily, business, institutions, industry and construction locations need to have better programs and services.)
   d. Reduced toxicity. (Actions to decrease the use of toxic materials as well as the emissions of toxic pollution.)
   e. Enforced and enhanced existing bans with more inspections, a requirement for clear bags, and mandatory source separation.
5. Consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold-as or burned-for fuel.

Thank you for your consideration! Wishing you all the best in this last phase of plan approval. Please keep your eye on the far future for the sake of our kids, their kids, and their kids' kids.

Trevor Leyenhorst
[redacted]

[redacted]

From: Dayton Skei <dayton@evergeninfra.com>
Sent: July 21, 2026 2:12 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Draft SWMP Comment

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Hello all,

I had one point I wanted to make for the Draft Solid Waste Management Plan.

Section 4.2.2 mentions the need to "Support the development of additional local organics processing through leveraging Metro Vancouver procurement processes for organics management."

It should be noted that there is significant organic waste processing capacity already in the Lower Mainland, Sea to Sky corridor and Interior all of whom currently process organics from Metro Vancouver and the FVRD. The addition of an additional organic's processing facility would be detrimental to existing facilities that are already in need of additional organic waste tonnages.

What would be more valuable and economical is to have Metro Vancouver outline and present it's organic waste disposal requirements to the Waste Industry. The Waste Industry will be able to provide processing solutions without requiring Metro Vancouver to build additional infrastructure.

Thank you,

Dayton Skei, Director of Sales
EverGen Infrastructure Corp.
[redacted]
E: dayton@evergeninfra.com

About EverGen Infrastructure Corp.
EverGen is a sustainable infrastructure platform established in 2020 to acquire, develop, build, own and operate renewable natural gas and waste to energy infrastructure projects in British Columbia and other regions in North America.

From: Dayton Skei <dayton@evergeninfra.com>
Sent: Thursday, July 30, 2026 10:06 AM
To: Terry Fulton <Terry.Fulton@metrovancouver.org>
Subject: EverGen Infrastructure Call Follow Up

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Hi Terry,

Thanks again for the call yesterday. I have included some of the items we discussed below.

FVRD's Waste Wise Series - here is the link for the video we made a while back with the FVRD for organics processing in the region. They also have ones for garbage and recycling. We would be more than happy to do something similar for MV.
https://youtu.be/anZSuH_SqK8?si=lbC6-BQUE7DyslBu

Pacific Coast Renewables High-Solids AD Facility - here is the technology that we are going to be installing. Constructed by Q4 2027 and commissioned in Q1 2028.
https://www.thoeni.com/en/sustainable-solutions/environmental-engineering/

It would be great to have you and some of the MV team come for a tour of one or both of our Abbotsford organics processing facilities, Pacific Coast Renewables and Fraser Valley Biogas. While we do not process SSO or ICI at Fraser Valley Biogas, we do process plenty of organic slurries (DAF, grease trap wastes, dairy sludges) from MV. Feel free to send some times that work for you and the team and we can get something put into the calendar.

Compostable straws - PlantLoop Biotech (Richmond) has started selling their backyard compostable plant-based straws. Some businesses in Whistler are trying them.
https://www.plantloop.eco/

Looking forward to having discussions with IAC members in Fall on how much processing capacity is needed to drop the threshold of allowable organics in the garbage from 25% to 5%.

Cheers,

Dayton Skei, Director of Sales
EverGen Infrastructure Corp.
C: +1.778.899.2658
E: dayton@evergeninfra.com

EVERGEN
Infrastructure Corp.

About EverGen Infrastructure Corp.

EverGen is a sustainable infrastructure platform established in 2020 to acquire, develop, build, own and operate renewable natural gas and waste to energy infrastructure projects in British Columbia and other regions in North America.

From: Juliana Janot [redacted]
Sent: July 22, 2026 7:09 PM
To: Metro Vancouver Solid Waste Management Plan Update; env.minister@gov.bc.ca

Follow Up Flag: Follow up
Flag Status: Completed

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Dear Metro Vancouver and provincial government staff,

I'm a resident of Vancouver concerned about the improvement of zero waste practices in the city and I'm writing to submit feedback for amending the Metro Vancouver Solid Waste Management Plan.

I believe the following priorities should be included:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
   a. Waste prevention
   b. Reuse and Repair
   c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
   d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution.
   e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

Thank you for your consideration. Have a great rest of your week.
Best,
Juliana

--
Juliana Janot
[redacted]

I acknowledge with gratitude that I live and work on the traditional, ancestral, and unceded land of the xwməθkwəy̓əm (Musqueam) peoples.



From: Virginia Ayers [redacted]
Sent: July 22, 2026 11:59 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: Inadequate plan for management of solid waste in Metro Vancouver

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

To:
Metro Vancouver;
The Honourable Tamara Davidson, Minister of Environment and Parks;
The Honorable NLA Jennifer Whiteside;
His Worship Patrick Johnstone Mayor of New Westminster

Please plan for the far future
using **ambitious targets**
and **effective education** as you manage waste.

Education
1. Use the Zero Waste Hierarchy and definition. Promote widely in schools and stores.
2. Simple and consistent composting and recycling in all streams.
3. Reduce use of toxic materials in industry, institutions/govt, businesses, homes.
4. Inspect and enforce to increase effectiveness of bans and separation.

Targets
1. Phase out the incinerator; with options for timing and interim disposal of residue.
2. Transparent funding of zero waste solutions - with timing and staffing.

We can do so much more - waste prevention - reuse - repair

From: Belinda Li [redacted]
Sent: July 25, 2026 9:20 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: Problems with the Draft Solid Waste Management Plan

WARNING: This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.

Dear Metro Vancouver,

I am incredibly disappointed by the Draft Solid Waste Management Plan. After years of consultation, this plan still does not include best management practices for achieving zero waste. I participated in the consultation and I do not feel like my concerns were considered.

Here are the key problems:

The budget does not align with the Zero Waste Hierarchy. If Metro Vancouver is serious about zero waste, then most of the resources should go towards Rethink, Reduce, and Reuse (currently $5.5 million), not Recover and Dispose (currently $120 million). The allocation of resources is backwards. If you don't put money into preventing waste, you will continue to be stuck with managing the very expensive disposal infrastructure.

This plan is environmentally unjust (Strategy 6.1). By keeping the incinerator open, people in the vicinity of the incinerator will continue to be exposed to harmful pollutants with long-term health effects. Not only that, there is agricultural land downwind of the incinerator so the pollutants are going into the food that we eat. Current testing and plans to upgrade the incinerator are not enough to ensure full protection of human and environmental health. Either shut down the incinerator or put in the work (and money) to run it properly. If Metro Vancouver is serious about zero waste and takes the appropriate actions to prevent divertable materials from going into the garbage, we wouldn't need an incinerator.

There is nothing in the plan to improve capacity for in-region organics processing at a substantial scale (Strategy 4.3). There is only one facility in Surrey for organics processing that does not have capacity to service the whole region. Why is Metro Vancouver so obsessed with in-region disposal but not applying the same logic to organics, which is much heavier than all other types of waste and should be hauled as little as possible? Promoting worm/home composting or researching technology options for ICI is not enough. If more people are going to separate organics for composting, we need to process it. There are options at a community scale with decentralized composting. This should be a priority for the SWMP.

This plan is unacceptable. I hope it does not get approved by the Minister of Environment and Parks.

Sincerely,

Belinda Li
[redacted]

From: Karen Crosby [redacted]
Sent: July 26, 2026 9:25 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca; info@zerowastebc.ca
Subject: Feedback on the Solid Waste Management Plan from New West Climate Action Hub

Follow Up Flag: Follow up
Flag Status: Completed

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Hello,

Would you please consider the input below my signature and from the 52 members of the New Westminster Climate Action Hub? Our mission is to advance solutions that slow global heating and reflect the urgency of the climate crisis through advocacy, education, local initiatives, collaboration with other organizations, and other actions. Since effective waste management often reduces climate pollution, we value the service Metro Vancouver provides in this area and want to see it become more effective in slowing global heating. Overall, we encourage the plan to have a greater focus on reduction of waste rather than recovery. We thank you for this opportunity to be heard.

Sincerely,
Karen Crosby
New Westminster Climate Action Hub President
newwestclimateaction.ca

1. **Phase out the Burnaby incinerator:** This waste burner is one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. These pollutants contaminate the air in our city of New Westminster, not just Burnaby. Dioxins have been found in high concentrations on the incinerator roof and nearby rooftops. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets, money which would be better spent on investing in zero waste solutions (see #2). Firmly commit to not building or using any new incineration or thermal treatment facilities.
2. **Invest in zero waste solutions:** These include redesigning, reducing, repairing, reusing, composting and recycling. Ensure the plan actions are strong such as implement, enact, develop, etc. (rather than just testing, encouraging and piloting). Actions should include:
    - Waste prevention such as cutting unnecessary packaging and preventing food waste.
    - Reuse and Repair -making it easier so unusable items do not get thrown out.
    - Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    - Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution

From: Lori Bryan <info@wmabc.ca>
Sent: July 27, 2026 2:20 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Metro Vancouver draft Solid Waste Management Plan Feedback 2026
Attachments: WMABC SWMP Feedback July 24 2026.pdf

Follow Up Flag: Follow up
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Please see attached our draft SWMP 2026 feedback to be included in the submission to the Province.

Sincerely,

Lori Bryan
WMABC, Executive Director
info@wmabc.ca
778-775-7960
www.wmabc.ca

Registration is now open! Save the date & plan to join us for our WMABC Annual Golf Tournament '70's Retro Daze', September 24, 2026. Details and registration can be found here.

To unsubscribe to future emails please click here admin@wmabc.ca & enter unsubscribe into the subject line.
Please consider the environment before printing this email

July 24, 2026

Solid Waste Services
Metro Vancouver
Metrotower III, 4515 Central Blvd
Burnaby, B.C. V5H 0C6

Email: zerowaste@metrovancouver.org

Re: Metro Vancouver draft Solid Waste Management Plan Feedback 2026

The Waste Management Association of B.C. ("WMABC") comprises over 75 businesses that provide a majority of the waste and recycling services in the Province of British Columbia, including in the Greater Vancouver Regional District. WMABC acts as a conduit and representative voice for its members in connection with, among other things, local regulation and regulatory initiatives.

The WMABC and its members, have followed the development of this updated draft Solid Waste Management Plan (SWMP), has received presentations from Metro Vancouver staff at member meetings and at our annual conference(s), and participated on two Advisory Committees, to provide industry input to its update. It is important for the private sector to be involved in the plan update as it is these businesses that operate 'boots on the ground' under the plan. It is also imperative that the private sector concerns be validly heard and included in the planning process.

We appreciate the effort on the enhanced engagement as was indicated as required by Minister Heyman in 2019 but there are concerns with what this consultation has and has not achieved.

- There were numerous comments, suggestions and potential solutions provided through much discussion at the advisory committee level and by WMABC members multiple times but where Metro Vancouver staff had recorded this feedback, very little of it has made its way into the draft SWMP, has not achieved any different outcomes from past draft SWMPs and industry input has not been addressed. The feedback obtained at the Advisory Committees was also minimized in the records. It has become clear that the ***SWMP outcomes were predetermined***.

- It was suggested at the Advisory Committee to receive other committee(s) ***feedback*** provided for review and potential comments' but this was not provided. A crossover meeting had also been suggested, and it would have been a good opportunity for the different committees to understand what each group's concerns and thoughts were.

- Referencing *the* ***hauler licensing language*** in potential future regulatory options, we feel we are back to the same argument on this item. Given that we do not know what this licensing language looks like, we are concerned with this language being enshrouded into the plan without having more knowledge the potential language. We believe that this item should be removed altogether from the plan as priority should be on the diversion and incentive programs within the plan, along with alternate solutions to take precedence and allowed to be successful, eliminating the need for hauler licensing. This would increase the stability and confidence of the system for service providers to invest.

- The plan provides a great overview of Metro Vancouver's own system but almost ***no mention of private sector facilities, existing depots, current capacity and future capacity needs***. There is also no mention of what is and isn't working, where does private sector investment fit in, what effects the plan has on private sector investment impacts & opportunities or what the plan is to address these items. Further to this, we have seen the impact the generator levy has had on private sector facilities ability to operate and the 5-year cap on facility licences.

Waste Management Association of BC
PO Box 3322, Station Main
Mission, BC V2V 4J5
info@wmabc.ca 778-775-7960

- The consultation summary has not shown how the public consultations' feedback or the various advisory committees' feedback was used to influence the plan or why each option was or was not pursued.

With ***affordability*** being at the forefront of every conversation at every government level, the plan lacks the planning to reign in spending and tackle affordability for the region's taxpayers. To this we note;

- The action timetables and budgets show no commitment to timetables or details.

- The capital budget beyond the existing approved Metro Vancouver five-year budget has no detail ($510 million capital costs added from draft 1 to draft 2 but clarification of the purpose)

- The plan will require that Metro Vancouver is approved for capital costs related to projects identified in the plan. The first draft plan had the existing five-year budget (with no provisions for any additional funds to move ahead with these actions) included but there were no details on capital costs and the second draft noted $900 million in capital costs but without any details. These details need to be provided and consulted on before plan approval, and certainly before any borrowing occurs

- The budgeting for the plan was developed and approved without input from the consultation process

Historical summary

- We have previously identified the ***inherent conflict*** that exists within GVS&DD given its multiple roles as policy developer, regulator and operator. This continues to exist.

- We have previously ***advocated for collaboration*** with other Regional Districts such as the FVRD, when planning for facilities and capacity. With the limited land space within Metro Vancouver, it only makes sense to plan for potential receiving facilities outside the region and future amendments to the Generator Levy to accommodate this.

- We have seen this same plan in different iterations over the years, all with the same outcomes and no real consideration of the private sector contributions to the system within the region. These SWMPs have been rejected by two previous Ministers and we have not seen where there have been any meaningful changes. We do not believe the planning process has met the Ministry guidelines.

We sincerely hope this feedback is considered upon the Minister's review and subsequent approval of this draft SWMP. We do not believe this plan should be approved until all concerns have been addressed or rectified.

Sincerely,

L Bryan

Lori Bryan
Executive Director

As Per: Noel Massey, Acting President, 1st Vice Chair
WMABC

Waste Management Association of BC
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July 28, 2026

Metro Vancouver Regional District
4730 Kingsway
Burnaby, BC
V5H 0C6

Attention: Board and Information Services (BIS) Secretariat

By Email: BIS-Secretariat@metrovancouver.org

Dear Sirs,

For more than 40 years, New West Gypsum Recycling (BC) Ltd. ("NWGR") has recycled waste drywall generated within the Metro Vancouver Regional District ("MVRD") for use in the local manufacture of new drywall. NWGR is the only cradle-to-cradle recycler of any building material in Western Canada and is recognized as the world leader in drywall recycling.

At our New Westminster facility alone we have recycled approximately 2.6 million metric tonnes of drywall, of which 2.2 million metric tonnes have been returned to local drywall manufacturing. Across our 10 facilities worldwide NWGR has recycled approximately 8.5 million metric tonnes of drywall, with 7.4 million metric tonnes used to manufacture new drywall. We are proud to be a Langley, British Columbia-based company operating a proven, home-grown circular economy business.

Despite this success, the MVRD's current solid-waste bylaws and Solid Waste Management Plan allow recyclable construction materials to leave the region untracked as "mixed construction debris" for landfill disposal. Recent regulatory changes appear to have made this practice even easier as loads delivered to facilities outside of the MVRD are exempt from tracking and reporting requirements.

This raises serious concerns about the accuracy of the region's reported diversion rate, which the MVRD frequently describes as exemplary. Large stockpiles of mixed construction waste at yards in South Abbotsford, much of which is reportedly destined for disposal in United States landfills, demonstrate the need for greater transparency, accountability, and enforcement.

To protect local recycling infrastructure and ensure that recyclable drywall is properly recovered, the MVRD should prohibit drywall generated by construction, renovation, and demolition projects from leaving the region.

We would welcome the opportunity to meet with you to discuss these concerns. We would also be pleased to arrange a tour of our New Westminster facility so that you can see local, cradle-to-cradle drywall recycling in operation.

Yours truly,



Richard McCamley
VP of Operations

Cc: Board Members of the MVRD

From: John Omielan [redacted]
Sent: July 29, 2026 1:56 PM
To: Metro Vancouver Solid Waste Management Plan Update; env.minister@gov.bc.ca
Cc: info@zerowastebc.ca
Subject: Feedback on the Metro Van Solid Waste Management Plan 2026

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Sir/Madam,

The text below the dashed line is from another e-mail which the write has permitted me to copy and paste. I'm including it because I strongly agree and support what is written there. Although I've done some reading about this issue, I haven't yet read the draft plan or otherwise claim to be really knowledgeable. Nonetheless, from what I have found out so far, the current plan has significant deficiencies. As such, I strongly encourage you to up this for it to act in the best long-term interests of the environment and people of the lower mainland, even if it costs somewhat more, takes longer or otherwise is more difficult to do. It's important to get this done correctly because cleaning up afterwards will invariably involve more time, trouble and cost than it would have taken to just avoid those issues originally!

Take care.

- John Omielan

==========

1. **Phase out the Burnaby incinerator:** This waste burner is one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. These pollutants contaminate the air in our city of New Westminster, not just Burnaby. Dioxins have been found in high concentrations on the incinerator roof and nearby rooftops. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets, money which would be better spent on investing in zero waste solutions (see #2). Firmly commit to not building or using any new incineration or thermal treatment facilities.
2. **Invest in zero waste solutions:** These include redesigning, reducing, repairing, reusing, composting and recycling. Ensure the plan actions are strong such as implement, enact, develop, etc. (rather than just testing, encouraging and piloting). Actions should include:
    - Waste prevention such as cutting unnecessary packaging and preventing food waste.
    - Reuse and Repair -making it easier so unusable items do not get thrown out.
    - Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    - Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution
    - Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation
3. **Measure and work to reduce the climate footprint of materials** by including consumption-based emissions on the planning and proposed actions.
4. **Set ambitious targets:** Theses need to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future but beyond the time frame of the plan.
5. **Establish and commit to a timeline for the actions and the associated budget** to ensure the plan can be implemented.
6. **Pledge to be transparent:** report waste performance clearly, especially in 2032 and 2037 (to coincide with targets) so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.
7. **Spend money wisely and invest in the future:** choose solutions that reduce waste without locking the region into expensive disposal systems.

8. **Use the Zero Waste Hierarchy and definition** in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action.

From: andrea dresselhuis [redacted]
Sent: July 29, 2026 12:06 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: my feedback re your solid waste plan

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I appreciate you considering the following:

1. **Phase out the Burnaby incinerator:** This waste burner is one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. These pollutants contaminate the air in our city of New Westminster, not just Burnaby. Dioxins have been found in high concentrations on the incinerator roof and nearby rooftops. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets, money which would be better spent on investing in zero waste solutions (see #2). Firmly commit to not building or using any new incineration or thermal treatment facilities.
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    - Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation
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7. **Spend money wisely and invest in the future:** choose solutions that reduce waste without locking the region into expensive disposal systems.
8. **Use the Zero Waste Hierarchy and definition** in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action.

Andrea Dresselhuis
member of the New Westminster Climate Action Hub
and resident of New Westminter

From: SLRD Info <info@slrd.bc.ca>
Sent: July 29, 2026 4:13 PM
To: CAO Administration; Metro Vancouver Solid Waste Management Plan Update
Cc: Heather Paul; Omar Butt
Subject: Feedback on Metro Vancouver's Draft Solid Waste Management Plan
Attachments: 20260729MVRD_SWRMP_FeedbackLetter.pdf

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Dear Mike Hurley, Board Chair and Sarah Kirby-Yung, Zero Waste Committee Chair,

Please find attached a letter from the Squamish-Lillooet Regional District regarding the above subject.

Kind regards,
Nathalie

Nathalie Klein | Executive Coordinator

Office of the CAO | Squamish-Lillooet Regional District
E: nklein@slrd.bc.ca | D: 604-894-6371 x 223
Toll Free: 1-800-298-7753
SLRD.bc.ca | Stay Connected

_____SLRD EOP_____

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Thank you.

SQUAMISH - LILLOOET
REGIONAL DISTRICT

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info@slrd.bc.ca www.slrd.bc.ca

July 29, 2026

BY EMAIL ONLY (CAOAdministration@metrovancouver.org; zerowaste@metrovancouver.org)

Board Chair Mike Hurley and Zero Waste Committee Chair Sarah Kirby-Yung
Metro Vancouver Regional District
4514 Central Boulevard
Burnaby, BC
V5H 0C6

Attention: Metro Vancouver Regional District Board

Dear Board Chair Mike Hurley and Zero Waste Committee Chair Sarah Kirby-Yung:

RE: Feedback on the Draft Solid Waste Management Plan

On behalf of the Board of the Squamish-Lillooet Regional District (SLRD), I am writing to provide feedback on the Metro Vancouver draft solid waste management plan. The correspondence from your Board Chair and Zero Waste Committee Chair dated June 3, 2026, inviting feedback on the draft solid waste management plan, was shared with the SLRD Board at our June 24th regular meeting.

The SLRD has initiated its Solid Waste Management Plan update in 2025 and are currently in the second step of the Plan, which is setting the plan direction. This includes a review of our current systems and developing a list of potential principles, goals and targets. We want to recognize the importance of Metro Vancouver as a real leader in pulling the whole lower mainland forward in terms of solid waste management.

Some of our comments/concerns include:

- Lack of specificity in the budget for tasks associated with the plan.
- Need for clearer information about how solid waste moves between regions, including hauler licensing requirements and hauler record-keeping.
- Waste-to-Energy facility
    - Significant concerns around air quality impacts and dioxins (fish impact).
    - There is a lot of discussion about the affordability of incineration but no attention to the fact that for years the emissions requirements have not been met. We understand that Metro Vancouver has applied to the Ministry of Environment and Parks for an amendment to the Waste-to-Energy Facility Operational Certificate, requesting an extension to meet the discharge limits for sulphur dioxide and

hydrogen chloride. There is a clear contradiction in the affordability of the process if it is too expensive to upgrade the facilities to meet emission requirements. There should not be further delays in upgrading the facility to meet the emissions requirements.

Thank you for considering the SLRD's feedback as a neighbouring regional district. We look forward to your response.

Regards,



Jen Ford
Board Chair, Squamish-Lillooet Regional District

CC: SLRD Board
Heather Paul, Chief Administrative Officer, SLRD

From: Kristina Calli <kcalli@bimbc.ca>
Sent: July 30, 2026 11:56 AM
To: Stephanie Liu
Cc: Terry Fulton
Subject: RE: Solid Waste Management Plan

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Hi again,

For context, these are the feedback items that have been discussed internally by staff:

Provide greater clarity on how support for local composting and community-scale organics solutions could be delivered in small and ferry-dependent communities.

Ensure reuse, repair, deconstruction, and building-material recovery initiatives are designed to be accessible and effective for small and ferry-dependent communities.

I look forward to discussing further this afternoon.

Thanks,

Kristina

Kristina Calli, BSc, PMP (she/her)
Strategic Initiatives Officer
Bowen Island Municipality
580 Bowen Island Trunk Road
Bowen Island, BC V0N1G2



From: Lucas Harris <lharris@recyclebc.ca>
Sent: July 30, 2026 9:15 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Recycle BC Comments on Metro Van's Solid Waste Management Plan Final Draft
Attachments: 2026-07-30 Metro-Van_SWMP_FINAL_draft_RecycleBC_feedback.pdf

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Hello,

Attached, please find comments from Recycle BC on Metro Vancouver's Solid Waste Management Plan Final Draft.

Thank you,

LUCAS HARRIS
Director, Program Development
Recycle BC and SK Recycles
M 250-516-6974
RecycleBC.ca
SKRecycles.ca

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged and confidential. If you have received this message in error, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited and are requested to immediately notify Recycle BC at info@recyclebc.ca or SK Recycles at info@skrecycles.ca. The information supplied by electronic media is provided for convenience only.

July 30, 2026

Metro Vancouver
Metrotower III, 4515 Central Boulevard,
Burnaby, BC
V5H 0C6

Re: Feedback on the Solid Waste Management Plan FINAL Draft

Metro Vancouver Solid Waste team,

Thank you for the opportunity to provide additional feedback on Metro Vancouver's Final Draft Solid Waste Management Plan. Recycle BC appreciates the consideration given to feedback received on the Initial Draft and continues to support the Plan's objectives of increasing recycling, preventing waste, advancing circular economy principles, and improving environmental outcomes across the region.

The Final Draft includes several helpful refinements, including clearer recognition that waste prevention and packaging design require coordinated action across sectors and jurisdictions. We also appreciate the revised wording concerning financial incentives for local governments participating in extended producer responsibility (EPR) programs. We offer the following additional comments to clarify several matters that remain relevant to Recycle BC's regulatory mandate and approved Program Plan.

EPR Scope and Generator Eligibility

The Final Draft continues to propose advocacy for the addition of packaging from sectors such as care homes and schools to EPR programs (3.2.1), as well as the expansion of residential-only packaging drop-off programs to small businesses (3.2.4 c). Recycle BC supports the continued expansion of EPR in principle where it advances waste reduction and recycling objectives. However, under the current Recycling Regulation and Recycle BC's approved Program Plan, the packaging and paper product program is funded by producers to manage materials supplied to residential consumers. It does not include packaging and paper generated by industrial, commercial, or institutional sources.

Any expansion to care homes, schools, small businesses, or other non-residential generators would require provincial regulatory direction, a clear assignment of producer obligations, appropriate funding mechanisms, and an assessment of operational implications. These measures would be necessary to maintain cost accountability and ensure that producers funding the residential system do not subsidize the management of materials from non-residential sources. We recommend that the relevant actions in the Plan acknowledge that any expansion beyond residential generators would be subject to corresponding regulatory and funding changes.

405-221 West Esplanade
North Vancouver, BC V7M 3J3
778-588-9504

Flexible Plastics and Foam

Recycle BC shares Metro Vancouver's objective of making it easier for residents to recycle a broader and more consistent range of materials. The Final Draft continues to advocate for expanded residential collection of flexible plastics and foam and identifies this as a focus area within the Plan (3.2.2). Recycle BC supports this direction and has already taken significant steps to enable broader collection of flexible plastics.

Flexible plastics collection from homes has already been introduced in several direct-service communities and Recycle BC's collection agreements provide a pathway for municipal and private multi-family collection partners to implement segregated flexible plastics collection where there is local interest. The collection and processing system has been established to support continued expansion, and we welcome opportunities to work collaboratively with municipal and private hauling partners to onboard additional communities.

As Metro Vancouver continues to advocate for expanded flexible plastics collection, we encourage the region to work with its member municipalities to identify communities interested in implementing the service. Recycle BC would welcome the opportunity to collaborate with interested collection partners to support broader adoption over time.

With respect to foam packaging, Recycle BC's producer fee structure already reflects the comparatively high cost and complexity of managing this material. These fee signals provide an incentive for producers to reduce, redesign, or transition away from packaging that is more difficult and costly to manage at end of life.

Financial Incentives and Municipal Participation

Recycle BC appreciates the revision to the Final Draft clarifying that Metro Vancouver's advocacy for increased financial incentives relates to programs where local governments are not receiving full cost recovery (3.2.4 b). Recycle BC operates under an approved Program Plan that includes a transparent collection-incentive methodology, supported by regular cost studies and provincial oversight. Appropriate compensation must be assessed through that approved process, including consideration of efficient service standards, reasonable program costs, and the need to maintain fairness and financial sustainability across the province. We recommend that implementation of this action recognize the established provincial framework and approved Program Plan processes used to determine appropriate collection incentives.

Signage, Education, and Service Consistency

Recycle BC supports efforts to improve clarity and consistency in recycling collection, signage, and public education. We maintain established signage, communication materials, accepted-material guidance, and public education resources designed to support proper sorting and reduce contamination. The Final Draft now commits Metro Vancouver to developing a signage

standard and customizable signage tool in collaboration with producer responsibility organizations (4.5.1). Recycle BC welcomes this collaboration and recommends that the initiative begin with a review of existing PRO resources and established provincial messaging. Building on these tools will support consistency while avoiding duplication and unnecessary public confusion. Similarly, efforts to improve service consistency should recognize existing Recycle BC collection agreements, accepted-material lists, service models, and operational requirements (4.4.1).

Multi-Family Building Collection

Recycle BC shares Metro Vancouver's objective of improving recycling services for residents living in multi-family housing. Under Recycle BC's Program Plan, local governments and First Nations operating curbside collection programs are eligible to partner with Recycle BC to provide multi-family recycling services within the same service area. In addition, private collection companies operate multi-family recycling services on behalf of Recycle BC in designated service areas.

Expanding access to Recycle BC's multi-family program depends not only on service availability, but also on engagement with property owners and managers, who determine how recycling services are procured for their buildings. Metro Vancouver and its member municipalities are well positioned to help raise awareness of these opportunities and facilitate dialogue with the multi-family sector. Recycle BC would welcome opportunities to collaborate in this area to improve participation, strengthen recycling performance, and advance the Plan's objectives of providing more consistent and accessible recycling services.

Data Sharing

Recycle BC also notes the new action proposing collaboration with producer responsibility organizations to enhance data sharing and transparency (3.2.5). We support continued dialogue on opportunities to improve shared understanding of regional waste prevention and recycling outcomes. Any data-sharing approach should recognize differences between regional and provincial reporting boundaries, material definitions, data availability, confidentiality requirements, and existing reporting obligations. Recycle BC would welcome the opportunity to work with Metro Vancouver to identify information that can be shared meaningfully without creating unnecessary duplication or reporting burden.

Closing

Recycle BC values its ongoing collaboration with Metro Vancouver and partnership with its member municipalities. We remain committed to working collaboratively to advance shared waste reduction and recycling objectives within the framework of the Recycling Regulation and Recycle BC’s approved Program Plan.

Thank you for considering these additional comments as the Solid Waste Management Plan proceeds to the Minister of Environment and Parks for approval.

Sincerely,



Sam Baker
Executive Director
Recycle BC

From: Jillian Rodak <JRodak@restaurantscanada.org>
Sent: July 30, 2026 3:11 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: Cheryl Muir; Terry Fulton; Stephanie Liu
Subject: Restaurants Canada submission - Solid Waste Management Plan
Attachments: Restaurants Canada_Metro Vancouver Solid Waste Management Plan_Submission_07.30.26.pdf

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Hi Terry and Stephanie,
I hope you are both well. Please find Restaurants Canada's submission on the final draft of Metro Vancouver's Solid Waste Management Plan. My colleague, Cheryl Muir, VP of Western Canada and I look forward to continued dialogue on The Plan.

Thank you again for the opportunity to share our feedback.
Have a lovely weekend,
Jillian

Jillian Rodak
Vice President, Sustainability
Restaurants Canada
p: 1-800-387-5649 ext 4213
m: 416.951.4109
a: 1155 Queen Street West, Toronto, ON M6J 1J4

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July 30, 2026

Additional comments from Restaurants Canada on the Metro Vancouver Draft Solid Waste Management Plan

Sent via e-mail: zerowaste@metrovancouver.org

Introduction

Restaurants Canada appreciates the opportunity to provide feedback to the Minister of Environment and Parks on Metro Vancouver's Draft Solid Waste Management Plan ("The Plan"). Our members support Metro Vancouver's goal of increasing the diversion of solid waste from landfill and recognize the foodservice industry's role in improving waste prevention in the region.

This submission is intended to provide practical, sector-specific feedback on elements of the plan that will have direct implications for restaurants operating in Metro Vancouver. Restaurants are diverse in size, service model, and supply chain structure. As a result, waste reduction strategies that appear straightforward at a system level can create significant operational, financial and compliance challenges when implemented in real-world restaurant environments.

Restaurants Canada encourages Metro Vancouver to pursue a plan that is evidence-based and implementation-focused, while allowing sufficient flexibility for restaurants to reduce solid waste in ways that reflect their operating realities. The most effective approach will be one that improves infrastructure, establishes clear and harmonized requirements, supports innovation in packaging, and engages industry before advancing new obligations.

British Columbia's Restaurant Sector

Restaurants are a significant economic driver in British Columbia. In 2025, the industry generated $21.5 billion in sales, directly employed nearly 190,000 people, including more than 63,000 youth, and purchased more than $7 billion annually in food and beverage products. Each year, British Columbia's foodservice sector generates more than $4.5B in federal, provincial and municipal taxes.

Restaurants operate in every region and contribute meaningfully to economic growth, employment, tourism, community vibrancy and local supply chains. Every dollar spent in the industry generates an additional $2.25 in total economic output, significantly higher than the $1.92 average across all industries. Further, every $1 million in output supports 17.7 indirect

jobs across the agriculture, transportation, wholesale trade and food production sectors, more than double the industrial average of 7.8 jobs.

Restaurants are labour intensive businesses, needing 12 workers to generate $1 million in sales compared to 4 workers in retail. While restaurants are the province's third largest private sector employer, operators continue to struggle with labour shortages. Across the country, there are there are more than 57,000 job vacancies in the restaurant and food services industry.

In addition to labour challenges, the sector continues to face persistent affordability pressures. Rising food and operating costs combined with uneven consumer spending continue to erode profitability across the industry in 2026. Restaurants in British Columbia earn an average operating profit of 5.1 per cent before income tax, and across Canada, 41 per cent of restaurants are operating at a loss — over three times the rate reported in 2019. That context matters when assessing new policy requirements and the potential costs for operators.

Restaurants are subject to various regulatory, reporting and cost obligations driven by policies at all levels of government. For British Columbia's restaurants:

- labour costs have risen by 55 per cent compared to the national average of 45 per cent since 2018;
- EPR costs have increased by 43 per cent since 2020; and,
- liquor licensing fees increased by 30 per cent in 2026.

These cost increases, and evolving regulatory requirements place cumulative pressure on restaurants, significantly impacting their operations and viability.

At a time when British Columbia is seeking to strengthen the economy, including in tourism and hospitality, we encourage a whole-of-government perspective on the impact policy changes are having on the foodservice sector given its limited ability to absorb more cost and regulatory obligations.

Restaurants Canada and its members want to work with Metro Vancouver to develop solutions to divert solid waste from landfills. This document recommends approaches for improving diversion outcomes that are feasible for the restaurant sector and support practical implementation pathways.

Feedback on solid waste management plan

1. Provide restaurants with flexibility to implement feasible solutions

Restaurants Canada supports The Plan's objective to prevent and reduce solid waste, but businesses should have the flexibility to determine the best operational approach to achieve this objective based on their day-to-day operations. While reuse can play an appropriate role in some restaurant settings, it should not be treated as the only feasible solution for all restaurant formats.

Restaurants vary widely in size, service model, menu type and supply chain structure. Some businesses rely on national or global packaging systems that cannot be easily adapted at a municipal level without creating inefficiencies or unintended consequences.

Shifting to a reusable service ware format requires substantial upfront investment, including dishwashers, plumbing upgrades, kitchen retrofits, storage space, purchasing and replacing dishware, and managing breakage or loss. These costs are in addition to ongoing expenses for labour, water, energy, sanitation and maintenance. In food courts, quick-service locations, seasonal operations, small-footprint kitchens and other space-constrained formats, reuse may not be operationally feasible.

Advocating for phasing-in reusable service ware across Metro Vancouver's 21 municipalities risks creating a fragmented policy environment that does not reflect the diversity of restaurant operations. The Plan's stated intention to reduce confusion for residents and improve efficiency for businesses could be undermined if individual municipalities adopt different requirements, definitions, timelines or enforcement approaches for reusable service ware. For multi-unit and franchise restaurant operators, inconsistent local rules can create complex compliance obligations, training needs and customer communication challenges. For independent operators, the administrative and capital burden can be even more difficult to absorb. Different definitions of what qualifies as reusable would further complicate implementation, consumer understanding and compliance.

Reusable service ware is not the only effective way to divert waste from landfill. The Plan's proposed secondary metric, *percentage of the region covered by reusables for dine-in regulations*, reinforces how The Plan singles out reuse as a preferred solution. Without clear implementation detail, cost analysis or flexibility, this part of The Plan risks placing disproportionate burden on restaurants with limited capacity to absorb new costs.

Recommendations

Restaurants Canada recommends that Metro Vancouver prioritize flexible, outcome-based approaches, including:

- expanding recycling infrastructure for materials commonly used in foodservice settings;
- improving consumer signage and education in public spaces to reduce contamination, aligned with section 2.1.4.1 of The Plan;
- prioritizing phasing-in reuse for event venues where they have already been proven to work;
- encouraging packaging design that improves recyclability and recovery;
- supporting end-market development for recovered materials;
- maintaining consistency in waste requirements and definitions across municipalities to reduce confusion for businesses and customers; and,
- removing the secondary performance metric: *percentage of the region covered by reusables for dine-in regulations.*

2. Develop evidence-based targets based on real-world operating environments

Restaurants Canada recommends that The Plan's diversion targets are developed using baseline data, evidence-based projections, sector-specific implementation tactics and a realistic financial plan. For the commercial and institutional sector, The Plan identifies a diversion target of 65 per cent by 2036 and 75 per cent by 2050, relative to a 2024 baseline of 47 per cent. Restaurants Canada understands the importance of setting ambitious targets; however, those targets must be achievable and connected to practical measures that can deliver results.

The restaurant sector is unique within the broader commercial and institutional category. Restaurant operations generate different material streams than offices, institutions, and other commercial businesses. Restaurants face constraints related to space, food safety, customer behaviour, franchise or chain procurement systems, labour availability, and the need to keep service moving during high-volume periods. These realities affect what can be reduced, diverted, sorted, stored and reported.

The Plan states that sector-specific diversion rates are calculated based on the amount and type of material currently disposed of and diverted in each sector, and that these rates would be addressed by actions included in The Plan. The Plan should provide a tactical approach for

how the proposed actions will achieve the diversion targets over the next decade. Targets should not assume that all sectors have the same remaining opportunity to reduce disposal, or the same financial and operational capacity to implement additional measures.

Recommendations

Restaurants Canada recommends that Metro Vancouver strengthen this section of The Plan by identifying:

- the baseline data used to assess restaurant and foodservice waste streams (rather than the commercial/institutional sector more broadly);
- how the actions outlined in The Plan will contribute to diversion gains in the restaurant sector;
- the specific infrastructure, education and investment required to enable those gains;
- the role of haulers, processors and end markets in achieving the targets; and
- a process for reviewing targets if implementation data shows that assumptions are not realistic.

A credible plan should connect targets to implementation. Restaurants Canada welcomes dialogue with Metro Vancouver to support developing targets for the sector.

3. Improve recycling infrastructure and incentivize mono-material packaging

Restaurants Canada supports Metro Vancouver's interest in research and investment to improve the recyclability of packaging materials. Strategy 4 in The Plan includes research and advocacy related to the recyclability or phase-out of multi-material products, including coffee cups. Improving recycling outcomes for foodservice packaging is an important objective for Restaurants, but The Plan should avoid assuming that all multi-material products can be quickly or completely phased out before scalable and cost-effective alternatives are available. British Columbia's Extended Producer Responsibility program already accepts multi-material cups in many regions. Restaurants Canada encourages Metro Vancouver to work closely with EPR decision-makers to leverage this infrastructure as implementation plans are developed for Strategy 4 of The Plan.

Mono-material packaging can improve recyclability where the material is accepted, collected, sorted and processed in the local system. However, switching packaging formats can be complex for restaurants. Packaging must meet food safety, performance, durability, availability, affordability, branding and customer-use requirements. For many operators,

especially those with national procurement systems, changes must also be viable at scale and compatible with supply chains.

Rather than relying primarily on phase-out language, Metro Vancouver should use The Plan to accelerate the conditions that make recyclable packaging practical. This includes improving collection and processing infrastructure, harmonizing acceptance lists, reducing contamination through public education, supporting end-market development and providing incentives for packaging formats that are easier to recover.

Recommendations

Restaurants Canada recommends that Metro Vancouver consider positive incentives for businesses that procure packaging aligned with regional recycling infrastructure. For example, where mono-material packaging demonstrates improved recyclability and is accepted in the system, Metro Vancouver could explore whether recognition programs or financial incentives would support broader adoption without penalizing businesses that do not yet have access to viable alternatives.

4. **Incorporate the realities of food waste reduction in restaurants into The Plan**

Reducing food waste is a priority for restaurants, both from a sustainability and an economic perspective. Operators have strong incentives, and often corporate directives to improve inventory management, reduce prep waste, repurpose ingredients where food safety and quality allow, train staff, and partner with food rescue organizations where feasible.

However, food loss and waste in restaurants is nuanced. Back-of-house waste is often more within the operator's control and can be addressed through inventory management, menu planning, preparation practices, staff training and improved sorting. Front-of-house waste is more heavily influenced by consumer behaviour, including portion choices, whether customers finish meals, whether they take leftovers, and whether customers sort materials correctly even when bins are available.

This distinction should inform Metro Vancouver's approach. Initiatives that assume restaurants can fully control all food waste may overstate the degree of operational control available to operators, particularly in customer-facing environments. Incremental prevention initiatives can also add labour, training, reporting and infrastructure requirements at a time when many restaurants are already facing tight margins and staffing pressures.

Recommendations

Restaurants Canada recommends that Metro Vancouver engage with the restaurant industry before advocating for or implementing new food waste initiatives. Engagement should be used

to identify where operators can have the greatest impact, what barriers prevent better diversion, which practices are already working, and what supports would allow more businesses to participate. Any new initiative should be designed to reduce waste without adding unnecessary operational complexity or cost.

Conclusion

Restaurants Canada supports Metro Vancouver's objective of reducing waste and increasing diversion from landfills. Restaurants want to be constructive partners in achieving better waste outcomes, and many are already taking steps to reduce food waste, improve sorting, and explore packaging improvements.

The Solid Waste Management Plan should be grounded in the realities of operating a restaurant in British Columbia. Prescriptive mandates, fragmented policies and targets without implementation plans risk creating costs and complexity without delivering The Plan's intended environmental outcomes. A more effective approach would focus on practical infrastructure improvements, clear and harmonized requirements, and evidence-based targets.

Restaurants Canada welcomes continued dialogue with Metro Vancouver and the Province of British Columbia as the plan is refined. Ongoing consultation with the restaurant industry will help ensure that waste reduction strategies are practical, equitable and capable of delivering measurable results across the region.

Jillian Rodak
Vice President, Sustainability
Restaurants Canada
jrodak@restaurantscanada.org

From: Vicki Champ <vicki.champ@bcbc.com>
Sent: July 31, 2026 3:45 PM
To: Metro Vancouver Solid Waste Management Plan Update; mayor@burnaby.ca
Cc: ENV.minister@gov.bc.ca; HOUS.minister@gov.bc.ca; DM.ENV@gov.bc.ca; HOUS.DMO@gov.bc.ca; john.mcewen@anmore.com; jross@belcarra.ca; mayor@bimbc.ca; elaine.wong@burnaby.ca; pietro.calendino@burnaby.ca; sav.dhaliwal@burnaby.ca; chodge@coquitlam.ca; ttowner@coquitlam.ca; rbinder@delta.ca; dkruger@delta.ca; [redacted]; palbrecht@langleycity.ca; ewoodward@tol.ca; sferguson@tol.ca; mayor.berry@lionsbay.ca; druimy@mapleridge.ca; nnakagawa@newwestcity.ca; CNV Mayor; muril@dnv.org; nmacdonald@pittmeadows.ca; westb@portcoquitlam.ca; mlahti@portmoody.ca; Deb McKinnon; bmcnulty@richmond.ca; Alexa.Loo@richmond.ca; mayor@surrey.ca; ghepner@surrey.ca; harry.bains@surrey.ca; rob.stutt@surrey.ca; pardeep.kooner@surrey.ca; Doug Elford; lcassidy@tsawwassenfirstnation.com; ken.sim@vancouver.ca; clrdominato@vancouver.ca; clrbligh@vancouver.ca; clrkirby-yung@vancouver.ca; clrklassen@vancouver.ca; clrzhou@vancouver.ca; peter.meiszner@vancouver.ca; Mark Sager; mknight@whiterockcity.ca; Denise Mullen; Aaron Aerts; Holly Phillips
Subject: BCBC Submission on Metro Vancouver's 2026 Draft Solid Waste Management Plan
Attachments: 2026 07 31_BCBC_Metro_Vancouver_SWMP2026.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

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Please see the attached submission from the Business Council of British Columbia regarding Metro Vancouver's 2026 Draft Solid Waste Management Plan.

If you have any questions or require further information, please contact Denise Mullen at denise.mullen@bcbc.com.

Sent by
Vicki Champ
Executive Assistant
Direct: 604-696-6588
on behalf of

LAURA JONES
President and Chief Executive Officer
Business Council of British Columbia
laura.jones@bcbc.com
Tel: 604.696.6580
www.bcbc.com

Business Council of British Columbia
Est. 1966

July 31, 2026

Mayor Mike Hurley
Chair, Metro Vancouver Board of Directors
4730 Kingsway
Burnaby BC V5H 0C6

Via email: zerowaste@metrovancouver.org

Dear Chair Hurley,

Please see the attached submission from the Business Council of British Columbia regarding Metro Vancouver's 2026 Draft Solid Waste Management Plan.

Our submission raises several significant concerns, specifically how limited independent oversight and a narrowing role for private-sector innovation are driving up the costs being imposed on residents and businesses. Given the magnitude of these financial and structural impacts, our primary recommendation is that Metro Vancouver suspend finalization of this Plan pending an independent, third-party review. We welcome the opportunity to discuss these concerns further and to contribute constructively to a system that is both environmentally effective and fiscally accountable.

If you have any questions, please feel free to contact Denise Mullen at denise.mullen@bcbc.com.

Yours sincerely,

Laura Jones
President and Chief Executive Officer

Denise Mullen
Director, Environment & Indigenous Relations

cc: Metro Vancouver Board of Directors
Honourable Tamara Davidson, Minister of Environment and Parks
Honourable Christine Boyle, Minister of Housing and Municipal Affairs
Kevin Jardine, Deputy Minister of Environment and Parks
Teri Collins, Deputy Minister, Ministry of Housing and Municipal Affairs

Submission on Metro Vancouver's Solid Waste Management Plan 2026

July 31, 2026

The Business Council of British Columbia (BCBC) is a non-partisan organisation comprised of B.C.'s largest and leading companies, post-secondary institutions, and industry associations. We are dedicated to promoting prosperity through thought leadership, fostering cross-sector relationships, and advancing policy solutions to all levels of government.

This submission responds to Metro Vancouver's open comment process on the 2026 Draft Solid Waste Management Plan (SWMP 2026), which establishes the region's regulatory and strategic framework for managing municipal solid waste over the coming decade and beyond, with a 20-to-25-year outlook. The SWMP 2026's stated purpose is to shift the region away from an end-of-pipe waste management model toward a circular economy. While reducing waste is a worthy objective, we believe the plan should be guided by a broader set of principles, including reliability, affordability, transparency, and preserving competition.

Beyond our concern that the Plan's objectives need to be expanded, we are highly concerned that this plan:

- Fails to resolve documented anti-competitive concerns flagged by the federal Competition Bureau and the provincial Ministry of Environment in 2019.
- Locks the region into an unsustainable financial trajectory that places escalating capital and operating costs onto residents and businesses.
- Entrenches a structural governance conflict that restricts market access and stifles private-sector innovation.

Given these concerns, our main recommendation to Metro Vancouver is to suspend finalization of its Plan until it reconsiders the objectives and unintended consequences, such as reduced competition and rising costs. Furthermore, because Metro Vancouver's governance system concentrates planning, regulation, ownership, financing, and market control within one institution, we are also calling for an independent, third-party review. The review should consider the factors identified by the Competition Bureau in 2019 and explicitly evaluate reliability, affordability, transparency, and competition, along with waste reduction goals.

To justify our call for a pause and review of the Plan, we offer the following detailed assessment of its shortcomings.

Failure to Address Federal and Provincial Directives

Concerns about Metro Vancouver's governance are not new. As early as 2014, the provincial government rejected Metro Vancouver's proposed Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 280, citing concerns that it would stifle competition and create a monopoly on waste management. Metro Vancouver proceeded with similar measures regardless. In 2019, the Competition Bureau of Canada warned that Metro Vancouver's Commercial Waste Licensing Bylaw 307, Generator Levy Bylaw 308, and Solid Waste and Recyclable Material Regulatory Bylaw 309 would likely result in a monopoly on waste management in the region, while also reducing choice and innovation and raising tipping fees. As the Bureau explicitly noted:

> *"In summary, Metro Vancouver's historical tipping fee actions and future plans strongly suggest that Metro Vancouver believes the Generator Levy Bylaw will be sufficient to eliminate competition to its transfer stations in the Metro Vancouver area.*
>
> *Subject to further analysis, the Generator Levy Bylaw may result in higher prices for other load sizes as well."*

That same year, the BC Minister of Environment declined to approve Bylaws 307 and 309, stating in a letter dated July 25, 2019, that regulatory changes of this magnitude should be properly considered through a renewed solid waste management planning process, delaying a final decision on the bylaws. The Minister wrote:

> *"As such, while I support Metro Vancouver's intentions with respect to the stated outcomes anticipated through implementation of Bylaw 307 and 309, I am delaying a final decision on approval of the bylaws at this time to provide Metro Vancouver time to renew the [2011 Integrated Solid Waste and Resource Management Plan] to ensure the Plan and bylaws are aligned."*

The SWMP 2026 represents this opportunity for thoughtful and thorough consideration of the issues raised by the Competition Bureau, yet it contains:

- No reference to the Competition Bureau's letter, and no response to its central finding that the current approach creates a strong direction towards a monopoly on waste management in Metro Vancouver.
- No competitive impact analysis of any kind.
- No cost-of-service justification for a 5% per year increase in the generator levy under Bylaw 308, notwithstanding the Bureau's finding that the levy exceeds any reasonable measure of fixed costs.[1]

[1] A generator levy is a fee based on how much waste is produced, and it can apply anywhere in the system, not just at disposal. A tipping fee is charged specifically at the point of disposal, per tonne. The two terms are conceptually distinct, but in Metro the tipping fee performs the function a generator levy normally would.

- No consideration of the less restrictive alternatives the Bureau identified, such as incentives for private waste management companies to contribute to Plan objectives, instead of creating solutions that structurally favour Metro Vancouver facilities.

Eroding Competition and Unsustainable Cost Escalation

These warnings point to something deeper than any single bylaw: a failure of market structure. Private operators have long played an important role in Metro Vancouver's waste management system. Their presence helps keep costs down. They raise their own capital, bear their own financing risk, and compete to deliver services efficiently. But genuine competition depends on private operators having a predictable opportunity to compete, and that predictability has been eroding since 2012 when Metro Vancouver sought the authority to direct regional waste to its own facilities. Bylaw 280 would have required residual waste to be delivered specifically to Metro-owned sites, including its then planned waste-to-energy incinerator, bypassing private facilities that Metro itself had licensed to operate. The province rejected the bylaw in 2014 after private recyclers and business groups warned it would entrench a public monopoly.

Metro Vancouver's ongoing efforts to eliminate competition are problematic as it is not a neutral referee. It is also the operator that benefits from that waste, and the rate-setter that controls what competitors must pay to operate. Every tonne of garbage generated in the region carries a $70 generator levy, whether it goes to a Metro facility or a private one.[2] At Metro's own facilities, that levy is folded into the posted tipping fee.[3] At a private facility, the hauler must collect the same levy and remit it to Metro on top of whatever the private operator charges for its own service, while Metro sets that levy rate unilaterally. This makes competing on price virtually impossible, regardless of which facility is more efficient or better located.[4]

Without competitive pressure, there is little to restrain what Metro Vancouver charges. The result shows up directly in the numbers. Since Metro Vancouver first attempted to consolidate regional waste at its own facilities in 2013, its operational spending on solid waste and recycling has increased by approximately 93 percent (growing from $82 million in 2013 to $158 million in 2024), far exceeding both inflation (33 percent) and population growth (25 percent) over the same period.[5]

Of concern for residents and businesses is that this upward trend is projected to continue. Based on Metro Vancouver's 2026-2030 Financial Plan, annual operating spending for solid waste

[2] Metro Vancouver Generator Levy https://metrovancouver.org/services/environmental-regulation-enforcement/solid-waste-regulatory-program/generator-levy.
[3] A tipping fee is charged specifically at the point of disposal, per tonne dropped at a landfill or transfer station. https://metrovancouver.org/services/solid-waste/tipping-fee.
[4] The generator levy applies specifically to municipal solid waste (garbage) generated in the region. It does not apply to construction and demolition waste, industrial waste, source-separated recyclables, or agricultural waste. The rate is $70 per tonne as of 2026.
[5] B.C. Ministry of Municipal Affairs. Schedule 902–Expenses, Regional District General and Financial Statistics. BCBC calculations.

services is forecast to reach nearly $221 million by 2030, almost a 30 percent increase from this year (2026). Tipping fees, which represent 94 percent of operating revenues, are set to rise by an annual average of 6.6 percent through 2030. This is more than double the annual target inflation and forecasted population growth rates over the same period.[6] These additional costs ultimately get passed on to consumers at a time of weakening affordability.

Operating costs are only part of the picture. Metro Vancouver's capital spending is also projected to increase significantly. Capital spending on solid waste infrastructure is expected to rise from $340 million (2025 to 2029 plan) to about $390 million over the 2026–2030 Financial Plan. This is almost a 15 percent increase in a single budget cycle. Most of this capital plan is funded through new external borrowing. As a result, debt servicing costs for solid waste are projected to rise from $17 million in 2025 to $49 million in 2030, nearly tripling in five years. Each dollar borrowed today adds to interest payments, which in turn narrows the fiscal room available for tomorrow's infrastructure needs and creates pressure to increase fees.

The Need for Independent Governance and Oversight

At the core of the problem is a basic failure of governance. Good governance means keeping the roles of policymaker, regulator, operator, and price-setter separate. Metro Vancouver holds all four. It designs policy, regulates the sector, operates the facilities, and sets the prices, while also controlling who else can enter the market. Independent oversight is essential for keeping public spending accountable to the people who fund it. We raised this same point in a March 2026 Troy Media commentary.

We support a solid waste system that is affordable, transparently accountable, and open to private-sector innovation. We see no principled reason why the region's waste system should be exempt from the scrutiny and market discipline increasingly expected of public bodies. Given how much of the Lower Mainland and southern Vancouver Island's population and economic activity Metro Vancouver represents, fixing governance issues is foundational to the region's long-term prosperity, competitiveness, and affordability.

Timing compounds these concerns. In terms of SWMP 2026, it is procedurally imprudent for an outgoing Board to finalize a framework of this size just months before the October 2026 municipal election. Locking ratepayers into a decade-long plan that introduces millions in new debt and restructures market access should not happen this close to a new political cycle. A decision of this scale deserves the fresh mandate and scrutiny of an incoming administration. Beyond its proximity

[6] The Bank of Canada targets 2 percent annual inflation. Metro Vancouver's Population is forecast to grow 1.3 percent annually from 2027 to 2031.

to an election cycle, an independent review is required to fully quantify the financial impact on taxpayers.

Metro Vancouver can act on some of these concerns immediately, without waiting on the province. As a first step, it should strengthen internal audit of capital projects, travel, and director payments, and publish the results quarterly. This would cost taxpayers nothing and would help build confidence among residents and the business community that Metro Vancouver has their interests in view. Metro Vancouver could also demonstrate its own commitment to leaner government by formally requesting that the province modify its Letters Patent, through the existing Order in Council process, to reduce the size of the Board and enable its restructuring. If Metro Vancouver does not act voluntarily, the province should impose these reforms directly and expand the mandate of the B.C. Auditor General to cover municipalities and regional districts. Washington State, New South Wales, and the City of Vancouver, since 2020, already operate under this kind of independent oversight.

BCBC recommends the following:

- Delay the finalization of the SWMP 2026 until after the next municipal government election process in the fall of 2026 and the completion of an independent third-party review.
- Commission an independent, third-party value-for-money review of the solid waste system, including a cost-of-service analysis, an assessment of the capital program and borrowing trajectory, and an analysis of tipping fee structure and levels.
- Address the concerns the federal Competition Bureau raised in 2019, including a public accounting of what steps have been taken in response.
- Reframe the Plan's objective to explicitly include reliability, affordability, transparency, and preserving competition as guiding principles.
- Reassess the licensing and levy framework to identify where competition can be restored and enhanced, working directly with the private sector to produce a public report on options, and using an independent facilitator.
- Separate Metro Vancouver's regulatory and commercial functions, apply equal standards to all operators, and provide independent due process for licensing and enforcement decisions.
- Request a modification to Metro Vancouver's Letters Patent to enable reform of the Board of Directors' structure, reducing its size and strengthening the direct line of accountability between Board members and the residents they serve.

From: Christine Cunningham [redacted]
Sent: July 31, 2026 10:44 AM
To: env.minister@gov.bc.ca; letters@fresheetnews.ca; Metro Vancouver Solid Waste Management Plan Update
Subject: Christine Cunningham final submission on Solid Waste Management Plan
Attachments: Metro Vancouver incinerator.docx

Follow Up Flag: Follow up
Flag Status: Flagged

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Metro Vancouver and the Honourable Minister Davidson,
I attach my final submission on the Solid Waste Management Plan for your consideration. I have ccd our local newspaper.

Thank you kindly.

Warm regards,

Christine Cunningham
Burnaby resident

[redacted]

July 31, 2026.

To: Metro Vancouver
zerowaste@metrovancouver.org

Christine Cunningham
Burnaby, BC
[redacted]

To: The Honourable Tamara Davidson
Ministry of Environment & Parks

Dear Metro Vancouver and Minister of Environment & Parks:

Re. Final feedback on the Metro Vancouver Solid Waste Management Plan
I made a submission previously and am writing again to underscore my position regarding the Metro Vancouver Incinerator.

It is my view that Metro Vancouver should immediately prepare to permanently shut down the Metro Vancouver incinerator in Burnaby. Zero Waste BC is proposing you set a closure date of 2028 because it will take some time and effort to responsibly phase out the incinerator. I also note that if the incinerator is not closed in 2028, it will require Metro Vancouver to spend more money on this aging infrastructure.

I agree with the recommendations of the Zero Waste Committee that Metro Vancouver should invest real dollars to decrease waste (i.e. acting on all of the good suggestions you received during this planning process) and, in the interim, use external landfills. The Zero Waste Committee's financial analysis can be seen here: https://www.zerowastebc.ca/wp-content/uploads/2025/10/Metro-Vancouver-Residuals-financial-analysis-ZWC-Oct-9th-2025-summary.pdf

Metro Vancouver has acknowledged that 80% of Metro Vancouver's waste could be avoided, recycled or composted and I urge Metro Vancouver to pursue these goals. You could, for example:

- follow Nanaimo's example and mandate three stream collection with support for businesses and institutions to make changes
- work to ensure that buildings are deconstructed
- provide support (coaching, education, building ambassadors) to have better diversion in multi-family buildings
- use your procurement processes to support waste reduction (like Richmond is doing)
- mandate dine in reuse (like Victoria)
- take many, many more actions - including those recommended by the three working groups of the Public Technical Advisory committee (see presentations

Nov 21, 2024 meeting https://metrovancouver.org/services/solid-waste/solid-waste-management-plan-public-technical-advisory-committee)

Technology that supports “sharing systems, tracking of reusables, data on material flows, assistance in sorting recyclables, working towards better outcomes of procurement, design of products that results in less waste (for example some wood cutting devices that maximizes the use of the wood), devices that spots and removes nails from recovered wood.

For the waste trucks, there is also increased use of cameras to spot contamination (clear bags help for that), automatic education postcards sent to those who have mistakes, on trucks scales to provide weights and feedback to customers. So lots of positive options as well.

I submit that it does not work to say that “some day” the incinerator will need to be closed down. If you accept a “some day” closure date, by then, Burnaby will have introduced a district energy facility to use steam generated by heat from the incinerator to heat buildings in a large area of Burnaby, making Burnaby dependent on a continuous supply of garbage - clearly counter to the plan to reduce garbage.

Furthermore, significant amounts of dioxin have been found on the incinerator roof indicating that the incinerator may be generating unacceptable levels of air pollution.

It is my strongly held view that Metro Vancouver needs to immediately plan the shutdown of the incinerator. A new contract would need to be negotiated to send the waste to another landfill while Metro Vancouver puts genuine effort into reducing waste. The incinerator should be closed properly with deconstruction and full site clean-up. (In theory, the incinerator could be closed tomorrow but it would be smoother if its shut-down were planned.)

Genuine effort into reducing waste includes things such as introducing technology that supports sharing systems, tracking of reusables, data on material flows, assistance in sorting recyclables, working towards better outcomes of procurement, design of products that results in less waste (for example some wood cutting devices that maximizes the use of the wood), devices that spot and remove nails from recovered wood.

For the waste trucks, increased use of cameras to spot contamination (clear bags help for that), automatic education postcards sent to those who have made mistakes, scales on trucks to provide weights and feedback to customers. There are many positive options as well.

While technology has a useful role to play in the reduction of waste higher up the Zero Waste Hierarchy as described above, there is no technology that can make burning garbage a sustainable way to create energy.

Lastly, I believe the City of Burnaby has supported the notion of revamping the Metro Vancouver incinerator to create energy to heat buildings in Burnaby. I believe the City is looking for a quick way to reduce greenhouse gas emissions and meet its climate action goals. In my view, perpetuating the incinerator is not the way.

Thank you for considering my submission.

Yours truly,

Christine M. Cunningham

Christine Cunningham
Burnaby Resident

cc. Freshet news

From: David Isopo <disopo@envirogreentech.com>
Sent: July 31, 2026 8:43 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Feedback on Solid Waste Management Plan Update Draft

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

To whom this may concern,

I understand there is an opportunity to provide feedback on the Metro Vancouver Solid Waste Management Plan 2026 draft Solid Waste Management Plan Update. Please see the following notes that I have made as I went through the document specific to the responsible management of contaminated soil and soil with invasives (this is the lens that I used to review the document because of my background and what I do for a living):

- Page 7 where it states regulatory – There needs to be an emphasis on the regulatory review of all waste being transferred in the region, including soil and biomass associated with invasives to help reduce the spread.
- The plan talks a lot about what is defined by municipal solid waste but little to no talk about soil which I imagine makes up a large percentage by weight and ends up in landfills, displacing airspace required for residents and businesses.
- Page 24 where it identifies a number of Organic Processing Facilities and Remote Landfills, it should also mention facilities that can properly manage invasives soil and biomass. Metro Vancouver is the current authority with regards to best management practices for invasives soil in the region by either deep burial (Vancouver Landfill, Delta, BC) or thermal treatment (Envirogreen Technologies Ltd., Princeton, BC Provincial Permit 13075). This section should cover the management of contaminated soil and/or soils impacted by invasives.
- Page 69 where it states approximately one million tonnes of garbage require disposal every year – contaminated soil also ends up in either the Vancouver landfill or fill sites across the region. This figure should also be summed up and included in this section.
- Page 70 it identifies strategies for preserving the Metro Vancouver landfill - contaminated soil may be managed in other ways that are in line with the Metro Vancouver Solid Waste Management Plan 2026 strategies which will reduce the reliance on landfill as a final destination. Finding alternative treatment methods for contaminated soil will also preserve Metro Vancouver airspace for future generations.
- Page 71 strategy 6.3 – it identifies that Metro Vancouver's current waste generation projections, there is sufficient capacity to manage most garbage at the Vancouver Landfill and Waste-to-Energy facility. This section does not take into account the volume of contaminated soil that may require management in the region.
- Page 72 strategy 6.4 – I agree, this section is the perfect area to address invasives biomass and contaminated soil to be managed using best management practices (deep burial or destruction by means of thermal treatment).
- Page 96 Residuals Management Approach – this section does not cover off clean soil, contaminated soil or soil with invasives which I believe would impact the Vancouver landfill and possibly some of the other facilities mentioned in the – Contingency Disposal section. I also note that Envirogreen is not mentioned here and probably should be as it is a provincially permitted destruction and beneficial reuse facility that converts contaminated soil (including soil with invasives) into beneficial reusable material for land reclamation. This alternative option also ties into the circular economy strategy as well as extending the life of the existing Vancouver landfill.

Please let me know if you have any questions and thank you again for the opportunity to provide feedback.

Regards,

David Isopo, P.Ag.
Business Development Manager

envirogreen technologies ltd.

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From: Adam Thomas <adam.thomas@wasteconnections.com>
Sent: July 31, 2026 9:05 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Draft Solid Waste Management Plan Feedback Due August 1
Attachments: Metro Vancouver SWMP - Submission from Waste Connections of Canada.pdf

Importance: High

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Good morning,

Please see the attached response from Waste Connections of Canada regarding the Draft Solid Waste Management Plan put forward by Metro Vancouver's Solid Waste team.

We look forward to your response.

Best regards,

Adam Thomas
Division Vice-President, British Columbia

C: 604-220-4723
Waste Connections of Canada | 25 Fawcett Road | Coquitlam, BC, V3K 6V2
www.WasteConnectionsCanada.com

United in Safety. Guided by Values. Winning as One.

Waste Connections of Canada

Submission to Metro Vancouver

RE: Draft Solid Waste Management Plan (2026)

Submitted July 16th, 2026

1. Introduction and Summary

Waste Connections is one of the largest waste haulers operating in Metro Vancouver. Our workers and equipment help to keep Metro Vancouver clean and ensure that waste is collected and disposed of in an environmentally safe and responsible manner.

We are writing because several elements of the Plan, as drafted, would impose significant and open-ended new obligations on waste haulers, are structured in a way that favours Metro Vancouver, given its dual role as regulator and competitor in the disposal business, and are likely to raise costs for residents and businesses at a time of acute affordability pressure in the region.

We are also writing because the Plan is silent on the central issue in this file. In 2019 the Competition Bureau of Canada formally advised the Minister of Environment that Metro Vancouver's licensing and generator levy bylaws would likely result in a monopoly on waste management in this region. The Minister then declined to approve Metro Vancouver's hauler licensing bylaw and directed that changes of this magnitude be considered through a renewed solid waste management plan. This Plan is that renewal – and it does not mention, let alone answer, any of it.

In summary, we ask that Metro Vancouver: (a) remove references to hauler licensing and restrict options for future actions that could increase regulatory burden and cause economic hardship on local residents and businesses; (b) place competition and innovation as elements of the foundations of a waste management plan with attainable goals and a plan for achieving those goals; and (c) address, on the record and in the Plan, the competition and cost concerns previously identified by the Competition Bureau and the Minister of Environment; and (d) demonstrate, before the Plan is finalized, that the financial trajectory of the solid waste system is sustainable and has been independently verified.

CORE POSITION

Environmental goals require clear, fair and predictable rules.

This submission asks Metro Vancouver to remove or define licensing, address the 2019 Competition Bureau concerns, and demonstrate that the solid waste financial trajectory is sustainable.

Four actions requested before approval

1. Remove or define licensing Do not pre-authorize hauler licensing, expanded facility categories or updated definitions without a scoped proposal.	**2. Put competition in the Plan** Address the Competition Bureau and Ministerial record, assess less restrictive alternatives, and protect innovation.
3. Publish the financial path Provide an independently developed cost-of-service analysis, capital program, borrowing need and tipping fee trajectory.	**4. Ensure neutral governance** Separate regulatory and commercial functions, apply equal standards, and provide independent due process.

2. Escalating spending, debt, and the impact on future costs

The Plan asks residents and businesses to fund an expanding solid waste system through the user-pay principle, but it does not disclose the financial trajectory that system is already on. Metro Vancouver's own audited financial statements and successive five-year financial plans show costs rising faster than the substantial tipping fee increases already imposed, persistent operating deficits, and a rapidly growing reliance on borrowing.

At a time when public attention is acutely focused on the cost overruns at Metro Vancouver's North Shore Wastewater Treatment Plant – a project whose estimated cost has escalated from approximately $700 million to nearly $4 billion, and which has now prompted the mayors of the City and District of North Vancouver to formally request a provincial inquiry – Metro Vancouver should expect its financial stewardship in every service area to be closely examined. The same organization, governance structure, and financial planning processes that oversaw that project oversee the solid waste capital program described in this Plan. Even a cursory review of the solid waste budget reveals significant concerns about Metro Vancouver's ability to responsibly manage the finances of the solid waste system.

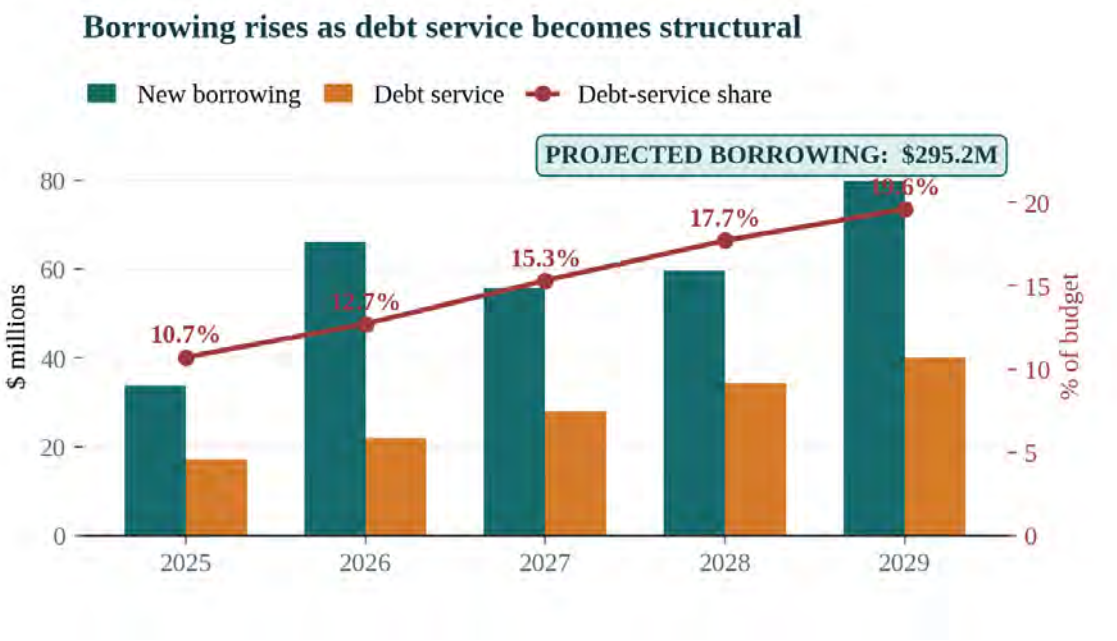
Solid waste services have run a cumulative deficit against tipping fee revenue of approximately $81 million over the past eight years, notwithstanding tipping fee revenue increasing by roughly 66% over that period:

Year	Tipping fee revenue	Solid waste services cost	Surplus / (Deficit)
2018	$102.0M	$113.2M	($11.2M)
2019	$105.7M	$134.5M	($28.8M)
2020	$100.9M	$95.3M	$5.6M
2021	$112.6M	$103.1M	$9.5M
2022	$125.8M	$142.9M	($17.1M)
2023	$135.3M	$129.5M	$5.8M
2024	$149.9M	$171.3M	($21.4M)
2025	$169.8M	$193.3M	($23.5M)
Cumulative			**($81.1M)**

The 2025 results are particularly striking. Solid waste services cost $193.3 million against a budget of $157.2 million – an overrun of approximately $36 million, or 23%, in a single year. Tipping fee revenue of $169.8 million also came in well above the $148.9 million budgeted, yet the service still recorded a deficit.

The forward plan compounds the problem. Metro Vancouver's 2025 five-year financial plan projects new external borrowing of approximately $295 million between 2025 and 2029, with annual debt service tripling over the same period:

Year	New external borrowing	Debt service	Debt service as % of solid waste budget
2025	$33.8M	$17.1M	10.7%
2026	$66.1M	$21.8M	12.7%
2027	$55.8M	$28.0M	15.3%
2028	$59.7M	$34.3M	17.7%
2029	$79.8M	$40.1M	19.6%
Total	**$295.2M**		



Two features of this trajectory warrant particular attention.

- **Debt service is becoming a structural cost of the system.** Solid waste debt service was approximately $1.0 million in 2018. By 2029 it is budgeted at $40.1 million – nearly one in every five dollars of the solid waste budget. Every dollar of that is recovered from generators through tipping fees and the generator levy.
- **The borrowing requirement keeps growing with each budget cycle.** The 2019 financial plan projected new borrowing tapering to $3.25 million by 2023. The 2025 financial plan instead projects $60–$80 million of new borrowing annually by 2028–2029. The trend is not toward the retirement of debt but toward its expansion.

This is the context in which Metro Vancouver proposes to license haulers, expand facility licensing, and add new penalties – measures which would further insulate its facilities from competitive discipline. The Competition Bureau warned in 2019 (see section 5) that, absent competition, Metro Vancouver would be able to raise tipping fees without constraint. The financial record since then is consistent with that warning: tipping fee revenue up roughly 66% since 2018, costs up more than 70%, and a mounting debt burden that will be recovered from the same residents and businesses already facing the highest cost of living in Canada.

Before any further regulatory measures are contemplated, Metro Vancouver should publish a full independently developed cost-of-service analysis for its solid waste system, including the basis of the generator levy, the drivers of the 2025 cost overrun, the capital program funded by the projected $295 million in new borrowing, and the resulting tipping fee trajectory for the term of the Plan.

REQUIRED BEFORE FINALIZATION

Publish the full cost path

Provide an independently developed cost-of-service analysis, the generator levy basis, the causes of the 2025 overrun, the capital program behind $295 million of borrowing, and the expected tipping fee trajectory.

3. Rejection of private sector investment on ideological rather than practical grounds

Metro Vancouver's *Draft summary of ideas staff consider unadvisable* addresses proposals for private sector investment in the region's solid waste system. The rationale offered for setting those ideas aside is not, in our reading, grounded in any practical assessment – there is no analysis of cost, capacity, deliverability, environmental performance, or risk. It reflects instead a policy preference for public ownership and delivery.

It is entirely legitimate for elected officials to hold and act on a view about the appropriate role of the public and private sectors. It is not appropriate for that preference to be presented to the Board, by staff, as though it were a technical finding – particularly where the organization advancing it is itself the incumbent operator that stands to benefit from excluding private investment, and where the exclusion is not supported by evidence.

The consequence is that potentially viable options for adding capacity, improving diversion, and reducing cost (and debt burden) to ratepayers are removed from consideration before the Board or the public has an opportunity to evaluate them on their merits. This is the structural conflict described in section 6, appearing at the point where alternatives to Metro Vancouver's own facilities are screened out. We ask that any recommendation to exclude private sector participation be supported by a documented, evidence-based assessment against stated criteria, and that the assessment be made public.

EVIDENCE STANDARD

Test private investment on its merits

Evaluate cost, capacity, deliverability, environmental performance and risk before excluding private participation. A policy preference should not be presented as a technical finding.

4. Undefined and open-ended hauler licensing, facility definitions, and fines

The Plan's Regulatory Strategic Approach lists, as "example" future regulations, *hauler licensing "including mandatory source separation and separate management of streams,"* "expanded types of facilities that require a licence," and "administrative improvements to licensing bylaw including updating definitions." These are presented without definition, scope, or limiting principle.

4.1 The concern: a hauler's yard could be captured as a "facility"

Read together, these three items create a real risk that the ordinary operations of a hauler – in particular a truck yard, depot, or transfer point – could be brought within facility licensing under GVS&DD Bylaw 181:

- The Plan expressly contemplates **expanding the types of facilities that require a licence** and **updating the definitions** in the licensing bylaw. It does not say where the new boundary lies.
- The Plan grounds licensing authority in Environmental Management Act s.25, which allows Metro Vancouver to require a licence from the operator of "a site that accepts and manages municipal solid waste." On its face, that wording is broad enough to reach a yard where waste sits in trucks overnight.
- Nothing in the Plan carves out hauler yards, parking or maintenance depots from the definition of a "facility."

The Plan, as written, leaves the question entirely open and reserves to Metro Vancouver the discretion to define hauler truck depots as facilities later, without a defined limit and without a further plan-level decision (see section 9.1). Stakeholders are being asked to support a regulatory direction whose actual scope is unknowable from the document.

The scope is not merely undefined on paper; Metro Vancouver has declined to define it when asked. At the June 9, 2026 Industry Advisory Committee meeting (livestreamed by Metro Vancouver; minutes not yet published at the time of this submission), staff were asked directly what the purpose and intended outcome of hauler licensing would be, and what conditions might be imposed on haulers as a condition of licensing. Staff confirmed that "there's no work underway today about developing a hauler licensing program" and declined to describe what such a program would do, stating that its content would be determined through a future engagement process – "whatever the thing is." A regulatory instrument whose proponent cannot or will not describe its purpose should not be embedded in a ten-year statutory plan.

> **SCOPE REMAINS UNDEFINED**
>
> **"Whatever the thing is"**
>
> At the June 9, 2026 meeting, staff confirmed that no hauler licensing program was under development and said its content would be determined through a future engagement process.

4.2 Open-ended fines

The enforcement regime attached to licensing is already significant: penalties of up to $500 per contravention, chargeable for each day an offence continues, together with suspension or cancellation of a licence. The draft newly adds "administrative monetary penalties to address non-compliances." None of these are quantified, scoped, or accompanied by a proportionality framework, cure periods, or an independent appeal. For a licence a hauler depends on to operate, cancellation is an existential penalty that should not rest on undefined standards.

PENALTY EXPOSURE

Undefined standards can carry existential consequences

The existing regime allows penalties of up to $500 per contravention for each day, plus licence suspension or cancellation. The Draft Plan adds administrative monetary penalties without scope, cure periods or an independent appeal.

4.3 No evidence of the problem licensing is meant to solve

Hauler licensing and the generator levy have historically been justified as tools to prevent garbage from leaving the regional system. Metro Vancouver's own evidence shows that this is not occurring. Under its "smart waste" tracking program, Metro Vancouver annually places tracking devices in garbage containers to follow where garbage goes. At the June 9, 2026 committee meeting, staff confirmed that every device deployed "ended up at Metro Vancouver [and] City of Vancouver facilities," that since the program began Metro Vancouver has not had "any concerns that there's garbage going to other facilities," and that the program's targeted-tracking steps have never been invoked against any company.

This is consistent with the published minutes of the June 10, 2025 committee meeting, at which staff stated that Metro Vancouver had "no information at this point in time to suggest that garbage is being hauled elsewhere." The factual predicate for licensing the region's haulers – and for strengthening the generator levy – does not exist on Metro Vancouver's own record.

METRO VANCOUVER'S OWN EVIDENCE

No demonstrated waste-leakage problem

Every tracking device deployed under the smart-waste program ended at Metro Vancouver or City of Vancouver facilities; staff reported no concerns that garbage was going elsewhere, and targeted tracking has never been invoked against a company.

5. The Plan does not respond to the Competition Bureau's findings or the Minister's 2019 direction

This is, in our submission, the most serious deficiency in the Plan. The regulatory direction the Plan carries forward has already been examined by Canada's Competition Bureau and by the Province, and neither endorsed it. The Plan proceeds as though that history does not exist.

5.1 What the Competition Bureau found

On May 3, 2019, the Deputy Commissioner of Competition wrote to the Minister of Environment and Climate Change Strategy under section 126 of the Competition Act, providing the Bureau's views on Bylaw 307 (Commercial Waste Licensing), Bylaw 308 (Generator Levy) and Bylaw 309. The Bureau's conclusions were unambiguous:

- The bylaws could have significant negative effects on competition for the handling, transfer and recovery of mixed municipal solid waste in the region.
- The Generator Levy effectively raises the costs of competing non-Metro Vancouver facilities, and the Bureau concluded that the licensing bylaw coupled with the levy would likely result in a monopoly on waste management in the Metro Vancouver area.
- Reduced competition would mean reduced choice and less innovation, including deterring private investment in technologies (such as mixed material recovery facilities) that would improve, not harm, the region's diversion rates.
- Reduced competition would permit Metro Vancouver to raise tipping fees without competitive constraint – a concern the Bureau supported by pointing to Metro Vancouver's own conduct, having lowered large-load tipping fees in 2015 when it faced competition, then planning steep increases once the levy was in place.
- The quantum of the Generator Levy does not reflect the actual fixed costs of Metro Vancouver's transfer stations, and appears to significantly exceed fixed costs in any reasonable accounting sense.

Critically, the Bureau stated that it had not been provided with any information suggesting a conflict between Metro Vancouver's environmental objectives and vigorous competition, and it identified less restrictive alternatives – such as additional auditing and enforcement of material bans at private facilities, and coordination with neighbouring regional districts – which it observed Metro Vancouver did not appear to have considered or attempted.

COMPETITION BUREAU FINDING

The licensing bylaw plus the generator levy would likely result in a monopoly.

The Bureau also warned of reduced choice and innovation, deterrence of private investment and the ability to raise tipping fees without competitive constraint.

This was not the first such finding. In 2014, the Environment Minister rejected Metro Vancouver's Bylaw 280 on the basis that it stifled competition on residuals management, with the Ministry citing the potential for the bylaw to create a monopoly on waste management.

5.2 What the Minister directed

On July 25, 2019, Minister Heyman declined to approve Bylaws 307 and 309 at that time. He confirmed that he had received the Competition Bureau's report. He concluded that initiatives which may result in a significant change to the waste management regulatory system "would be best considered as part of a robust solid waste management planning process," and found that the consultation conducted for the existing plan "did not fully contemplate the details and extent of the regulatory changes" proposed by the bylaws, or their impact. He therefore delayed his decision expressly to give Metro Vancouver time to renew the plan and to align the plan and the bylaws.

5.3 Why this matters now

This Plan is the renewal the Minister called for. It is the "robust solid waste management planning process" through which hauler licensing was supposed to be properly examined and consulted upon. Yet in this Plan:

- There is no reference to the Competition Bureau's letter, and no response to its central finding that this regulatory package would likely create a monopoly.
- There is no competitive impact analysis of any kind.
- There is no cost-of-service justification for the generator levy, notwithstanding the Bureau's finding that the levy exceeds any reasonable measure of fixed costs.
- There is no consideration of the less restrictive alternatives the Bureau identified.
- The topic of Hauler licensing and the expansion of facilities licensing were never addressed at the Industry Advisory Committee, which was intended to be a robust opportunity for industry consultation in the development of the SWMP. This is confirmed by Metro Vancouver's own record: the feedback summary attached to the January 28, 2026 committee minutes states that "Haulers have been requesting a draft licensing template for years, yet the topic was never raised in Industry Advisory Committee meetings." The committee's meeting record is summarized in Appendix A.

- The consultation record itself is thin. Across four and a half years, the committee meetings with published minutes total roughly 24 hours of committee time, averaging approximately 85 minutes against a two-hour booking; the two meetings immediately preceding the options-analysis phase (February 4 and March 4, 2025) lasted 31 and 50 minutes respectively; and the January 28, 2026 meeting at which staff walked the committee through the initial draft plan proceeded without quorum (see Appendix A).
- Hauler licensing itself appears as a single line in a table of "examples," with no scope, no detail, and no impact assessment – which is the opposite of the detailed consideration the Minister said was missing.

The result is that Metro Vancouver is seeking, through this Plan, to pre-authorize the very regulatory program that the Competition Bureau found likely to eliminate competition and that the Minister declined to approve – while engaging with neither. Put plainly, a plan that is silent on the principal objection to its central regulatory proposal cannot be said to have considered it, and should not be approved on that basis.

> **THE APPROVAL GAP**
>
> **This is the planning process the Minister required - but the central concerns are still not analyzed.**
>
> The Draft Plan contains no competitive impact analysis, no generator-levy cost justification, no assessment of less restrictive alternatives and no defined hauler-licensing proposal.

6. A regulator that is also a competitor – and the impact on innovation

Metro Vancouver owns (and contracts the operation of) the Waste-to-Energy Facility and six recycling and waste centres, works in partnership with the City-owned Vancouver Landfill, and sets the region's tipping fees, the generator levy, and the disposal bans. At the same time, it licenses the private facilities that compete with it and now proposes to license the haulers who choose where to take their customers' material.

This concentrates in one body the power to set the rules, set the prices, adjudicate disputes about its own bylaws, and require haulers to accept the tipping fees and generator levy without regard to a competitive landscape. That is a structural conflict of interest. Nor is the concern new: industry members have raised it, on the record, at the Industry Advisory Committee since its first year – questioning in June 2022 whether the committee could "engage effectively in this region where our regulators are also our competitors," asking in the June 2023 vision workshop that Metro Vancouver "avoid conflict between the roles of regulator and market competitor," and recording in July 2024 "concerns with Metro Vancouver simultaneously being the regulator and the competition" (see Appendix A). Several specific features illustrate the problem:

- Metro Vancouver charges the generator levy on waste taken to non-Metro facilities, requiring haulers to remit it directly – a fee levied by a competitor on its competitors' customers (who also happen to be the taxpayers of Metro Vancouver).
- The Draft Plan reserves broad discretion for Metro Vancouver to "expand" its own services, including to co-locate services at its facilities and to pilot collection and processing of materials – activities that overlap directly with private-sector offerings.

The predictable effect on innovation is chilling. Private operators invest in new sorting, processing, and collection methods only where they can expect a stable, neutral playing field and a return on that investment that can only be recovered over many years (a decade or more). Where the entity setting licence conditions, fees, and diversion minimums is also expanding into the same lines of business, the incentive to invest is diminished. The Plan's stated aim of encouraging private-sector innovation is undercut by its own structure – exactly as the Competition Bureau predicted in 2019.

> **STRUCTURAL CONFLICT**
>
> **The same institution can set rules and prices, adjudicate its own bylaws, and compete for the same material.**
>
> Likely effects include weaker investment incentives, reduced choice and innovation, and higher cost risk.

7. "Local disposal" as a preference for Metro Vancouver's own facilities

The Plan elevates "prioritize local solutions" to a strategic principle and commits to "optimize" the Vancouver Landfill and Waste-to-Energy Facility to "reduce reliance on remote disposal." Framed as environmental and cost stewardship, in practice "local" functions largely as "Metro Vancouver-owned or controlled," and the tools used to advance it reduce the ability of private operators to compete.

A public body should not use its regulatory powers to foreclose competition with its own facilities under the banner of environmental benefit. Where remote or private disposal is genuinely more efficient for a given material or location, customers should retain the ability to choose it, an option that has been precluded by the generator levy. Any levy or restriction that disadvantages non-Metro disposal should be justified on a transparent, published cost-of-service basis and subject to periodic review – a justification the Competition Bureau found lacking in 2019, and which has still not been provided.

> **COMPETITIVE NEUTRALITY**
>
> **"Local" should not function as "Metro Vancouver-owned or controlled."**
>
> Any levy or restriction that disadvantages private or remote disposal should be supported by a transparent cost-of-service basis and periodic independent review.

8. Cost to residents and businesses in a high cost-of-living region

Metro Vancouver is among the least affordable regions in Canada. The Plan is built on the user-pay principle, which means the cost of every new obligation flows through to the residents and businesses who generate waste. The regulatory measures contemplated – hauler licensing, mandatory separate stream management, additional disposal bans and surcharges, expanded reporting, and an eventual shift to zero-emission collection fleets – all carry real compliance costs that will be passed on in collection rates.

- Separate management of streams typically requires additional trucks, routes, and trips – a direct, recurring operating cost, felt most in the multi-family and commercial sectors the Plan targets for the steepest diversion increases.
- Licence fees, reporting systems, and penalty exposure add fixed administrative costs that fall hardest on smaller operators and, ultimately, on their customers.
- Fleet electrification is a major capital cost that, if mandated or effectively required, will be reflected in rates.

The Plan's own "Considerations" acknowledge that regulations may change tipping fees and impose "other costs borne by residents, businesses," yet the document contains no costing, no rate-impact analysis, and no cost-benefit assessment for any of the contemplated measures. Stakeholders and the public are being asked to endorse a direction with unquantified household and business cost implications.

9. Additional concerns

BLANKET PRE-AUTHORIZATION Future licensing, definitions, penalties and disposal bans could proceed without a Plan amendment.	**DUPLICATION** Haulers are already regulated through municipal, provincial safety and environmental regimes.
COMMERCIAL DATA Route, customer, tonnage and destination information could be disclosed to a market competitor.	**DUE PROCESS** Metro Vancouver adjudicates its own bylaws while operating competing facilities.

9.1 The consultation being offered may not apply to the actual rules

The Plan's amendment provisions state that introducing the regulatory initiatives contemplated in the Regulatory Strategic Approach does not require a plan amendment, and neither does establishing or changing a Bylaw 181 facility. The effect is that hauler licensing, expanded facility definitions, new penalties, and additional disposal bans could all be enacted later without the plan-level public process – on the strength of this Plan's blanket pre-authorization. The meaningful consultation is therefore deferred to a

future process that the Plan does not guarantee. This is precisely the deficiency the Minister identified in 2019, reproduced in the very document that was meant to cure it. When pressed at the June 9, 2026 committee meeting, staff's answer was that any future hauler licensing proposal would be accompanied by "an extensive engagement program." That commitment appears nowhere in the Plan, and the Plan's amendment provisions are expressly to the contrary.

9.2 Duplication with existing regulators

Haulers are already regulated by municipal business licensing, provincial commercial-vehicle and safety regimes, and the Environmental Management Act. A new Metro Vancouver hauler-licensing layer risks duplication, inconsistency, and conflicting requirements. The Plan's Considerations ask whether a measure conflicts with other regulation, but the Plan provides no answer and no coordination commitment.

9.3 Commercially sensitive data

Expanded reporting obligations could require haulers to disclose route, customer, tonnage, and destination data to a body that also competes with them. This raises a legitimate competitive-information concern.

9.4 Due process and competitive neutrality

Penalties and licence suspension or cancellation are adjudicated through Metro Vancouver's own bylaw dispute process. Natural justice favours an independent adjudicator where the regulator is also an interested competitor. Relatedly, the Plan makes no commitment that Metro Vancouver's own facilities will be held to the same diversion, reporting, and penalty standards it would impose on private facilities and haulers.

10. Recommendations

We offer the following recommendations to strengthen the Plan while preserving its environmental objectives:

FAIR COMPETITION **RECOMMENDATIONS 1, 2, 3, 7, 9** Defined scope, competitive impact analysis, neutral standards and evidence-based private participation	**FINANCIAL DISCIPLINE** **RECOMMENDATIONS 4, 5** Cost-of-service support for the levy and a transparent, independently tested financial trajectory
DUE PROCESS **RECOMMENDATIONS 6, 8** Plan-level approval for major regulatory changes, proportionate penalties and independent appeal	**DATA PROTECTION** **RECOMMENDATIONS 10** Strong confidentiality safeguards and aggregated public reporting

1. **Remove hauler licensing from the Plan.** Delete the references to hauler licensing, expanded facility licensing categories, and updated licensing definitions. If Metro Vancouver wishes to pursue these measures, they should be brought forward as a distinct proposal with a defined scope, a published impact assessment, and a dedicated consultation – as the Minister directed in 2019.
2. **At minimum, define the scope now.** If the references are retained, expressly state that hauler truck yards, parking, and maintenance depots are not "facilities" for licensing purposes, and define "facility" by function (receiving or processing third-party waste for a fee) rather than by the presence of vehicles or containers.
3. **Address the Competition Bureau's findings on the record.** Include in the Plan an express response to the Bureau's May 2019 letter, a competitive impact assessment of the regulatory measures contemplated, and an assessment of the less restrictive alternatives the Bureau identified.
4. **Publish a cost-of-service justification for the generator levy,** demonstrating that its quantum is commensurate with the fixed costs it is said to recover, and commit to periodic independent review.
5. **Publish the financial trajectory.** Disclose an independently developed cost-of-service analysis, capital program, borrowing requirement, and projected tipping fee path for the term of the Plan, so that residents and businesses can see what the Plan will cost them.
6. **Close the amendment loophole.** Provide that hauler licensing, expanded facility definitions, and new penalty regimes require a Plan amendment, with the associated public process.
7. **Competitive neutrality.** Commit that Metro Vancouver-owned facilities will meet the same diversion, reporting, and penalty standards imposed on the private sector, and establish arm's-length

separation between Metro Vancouver's regulatory function and its operational and commercial functions.

8. **Proportionate, independent enforcement.** Adopt a published, proportionate penalty framework with cure periods, and provide an independent appeal for penalties, suspension, and cancellation.
9. **Evidence-based evaluation of private sector participation.** Require that any recommendation to exclude private investment be supported by a documented assessment against stated criteria, and be made public.
10. **Protect commercial data.** Provide strong confidentiality protection for industry-supplied data and publish only in aggregated form.

11. Conclusion

Waste Connections is committed to helping Metro Vancouver reach its waste reduction, diversion, and climate goals. Achieving those goals depends on a healthy, competitive private hauling and recycling sector operating under clear, fair, and predictable rules.

As drafted, the Plan's open-ended regulatory direction, its concentration of regulatory and commercial roles in a single body, its escalating cost and debt trajectory, and its silence on the competition concerns already identified by the Competition Bureau and the Minister of Environment risk undermining that sector and raising costs for residents and businesses. The 2019 direction to consider these measures through a robust planning process has not been fulfilled by this Plan. We urge Metro Vancouver to adopt the recommendations above and would welcome the opportunity to work with staff on the details.

CLOSING PRINCIPLE

A competitive private sector is part of the environmental delivery system.

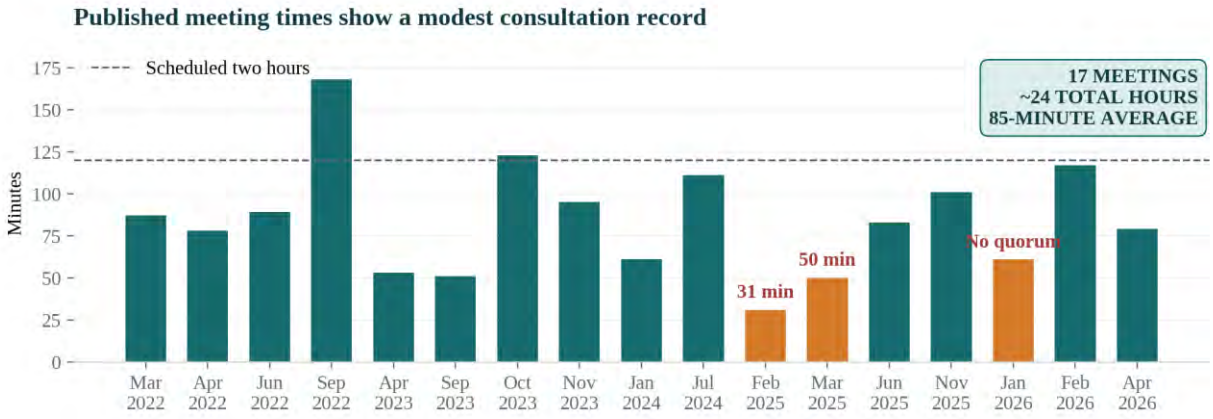
Waste reduction, diversion and climate objectives are best supported by financially sustainable plans and clear, fair and predictable rules.

Appendix A – The Industry Advisory Committee meeting record

Metro Vancouver has presented the Solid Waste and Recycling Industry Advisory Committee as its principal forum for industry consultation on the solid waste management plan update. The committee's own published minutes show two things: the volume of consultation was modest, and the concerns raised in this submission were put to Metro Vancouver repeatedly, on the record, throughout the plan's development, without being carried into the Plan.

A.1 Meeting durations

Committee meetings are scheduled for two hours. The table below lists every meeting for which minutes recording a start and an adjournment time are published on the committee webpage. (Minutes for a number of other meetings are contained within subsequent agenda packages or have not been posted; those meetings are excluded from the table.) The seventeen meetings with published times average approximately 85 minutes each, for a total of roughly 24 hours of committee time between March 2022 and April 2026.



Meeting date	Called to order	Adjourned	Duration	Notes
March 1, 2022	1:01 p.m.	2:28 p.m.	1 h 27 m	
April 5, 2022	1:03 p.m.	2:21 p.m.	1 h 18 m	
June 7, 2022	1:06 p.m.	2:35 p.m.	1 h 29 m	
September 7, 2022	1:03 p.m.	3:51 p.m.	2 h 48 m	In-person workshop
April 4, 2023	1:02 p.m.	1:55 p.m.	53 m	Adjourned without conducting business following a conflict-of-interest Point of Order
September 12, 2023	2:03 p.m.	2:54 p.m.	51 m	
October 3, 2023	1:04 p.m.	3:07 p.m.	2 h 03 m	In-person workshop
November 7, 2023	2:01 p.m.	3:36 p.m.	1 h 35 m	
January 9, 2024	2:01 p.m.	3:02 p.m.	1 h 01 m	
July 9, 2024	2:04 p.m.	3:55 p.m.	1 h 51 m	
February 4, 2025	2:04 p.m.	2:35 p.m.	31 m	
March 4, 2025	2:05 p.m.	2:55 p.m.	50 m	
June 10, 2025	2:01 p.m.	3:24 p.m.	1 h 23 m	
November 4, 2025	2:32 p.m.	4:13 p.m.	1 h 41 m	In person
January 28, 2026	2:02 p.m.	3:03 p.m.	1 h 01 m	No quorum; initial draft plan walkthrough proceeded on information items only
February 10, 2026	2:04 p.m.	4:01 p.m.	1 h 57 m	Initial draft plan feedback session
April 7, 2026	2:04 p.m.	3:23 p.m.	1 h 19 m	Revised draft plan presented

All times are as recorded in the minutes ("called the meeting to order at" and "adjourned at").

The committee also met on June 9, 2026; the meeting ran approximately one hour, and its minutes had not been published at the time of this submission. Statements from that meeting cited in this submission are taken from Metro Vancouver's livestream of the meeting.

A.2 Concerns raised on the record

The following appear verbatim in the committee's published minutes, workshop summaries, and feedback summaries:

- June 7, 2022 (minutes, breakout notes): members questioned whether the committee could "engage effectively in this region where our regulators are also our competitors."

- September 7, 2022 (workshop notes): “Concern was expressed that Metro Vancouver both regulates and operates solid waste facilities,” with a request to “establish a clear delineation of policy-making, regulatory and service delivery roles.”
- June 6, 2023 (workshop summary, reported to the MVRD Board on October 27, 2023): a request that Metro Vancouver “ensure policy allows market-driven outcomes; avoid conflict between the roles of regulator and market competitor.”
- July 9, 2024 (minutes): “Concerns with Metro Vancouver simultaneously being the regulator and the competition,” together with recorded comments that regulatory uncertainty deters private investment in infrastructure.
- January 28, 2026 (feedback summary attached to the minutes): “Haulers have been requesting a draft licensing template for years, yet the topic was never raised in Industry Advisory Committee meetings,” and “if licensing is to be included in the plan, Metro Vancouver must provide details, rationale, and implementation guidance.”
- February 10, 2026 (feedback summary): “more information is needed about scope of hauler licencing for the committee to meaningfully comment on it,” and the regulatory strategy “lacks operational detail.”
- June 9, 2026 (livestreamed meeting; minutes not yet published): staff confirmed that “there’s no work underway today about developing a hauler licensing program”; that under the smart waste tracking program every deployed device “ended up at Metro Vancouver [and] City of Vancouver facilities”; and that Metro Vancouver has not had “any concerns that there’s garbage going to other facilities.”

A.3 What this record shows

The regulator-competitor conflict and the demand for a defined hauler-licensing proposal were raised at the Industry Advisory Committee in 2022, 2023, 2024, and 2026 – at every stage of the plan’s development. The Final Draft nonetheless contains no competitive impact analysis and no definition of the scope of hauler licensing. The concerns were recorded; they were not answered.

In addition, the January 28, 2026 meeting at which staff walked the committee through the initial draft plan proceeded without quorum, and the April 4, 2023 workshop was adjourned without conducting any business over unresolved conflict-of-interest process. This is the consultation record on which Metro Vancouver will ask the Minister to conclude that the 2019 direction – that changes of this magnitude be considered through “a robust solid waste management planning process” – has been satisfied.

From: David M Coffey <david_m_coffey@whirlpool.com>
Sent: August 1, 2026 6:18 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: InSinkErator - Final Comment on MetroVancouver SWMP

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This note responds to the invitation by Metro Vancouver for a final round of comments on its proposed Solid Waste Management Plan as it advances to consideration and endorsement by the Province.

The comments are offered on behalf of InSinkErator Canada, now a division of the Whirlpool Corporation, one of the world's leading manufacturers of appliances for the home, and are focused on the opportunity to expand use of in-sink food waste disposers, aka Garburators®, as an essential, effective, and environmentally efficacious tool to address one of the Region's notable continuing waste – both solid and liquid - management challenges.

Metro Vancouver's efforts to tackle household-generated food waste began more than fifteen years ago, as did InSinkErator's initiative to bring its considerable expertise, technical and best practice research to that effort, gained from its work globally with cities, researchers, and many other stakeholders.

Numerous meetings, presentations and sharing of documents later – and both successful and failed efforts by the Region to address household food waste – the challenge remains the same: how to promote effective diversion of food waste, especially from the Region's increasingly vertical multi-residential buildings, and process it into beneficial resources, avoiding disposal in truck-delivered landfills and waste-to-energy facilities.

InSinkErator continues to believe that in-sink disposers are and can be an effective tool for Metro Vancouver to embrace, rather than to ignore their existence or discourage actual use. The most recent waste composition study reports that diverting food scraps from apartment buildings remains a significant challenge, despite substantial efforts to reform public behavior.

We have especially noted the opportunity to connect food waste recovery and processing with the Region's wastewater system, which is increasingly focused on managing wastewater as resources and is well-suited to handling food scraps to produce clean water, biogas and biosolids.

We also have commented about that opportunity to the Region's Liquid Waste Management staff and Committee as it considers a similar plan, in parallel to the Solid Waste plan.

Although it is tempting to consider food waste as a "solid", in fact it is primarily water, and can be effectively managed through either the solid (with trucks) or liquid waste systems (through pipes).

With disposers already in common usage throughout the region, even just a little encouragement by the Region in its outreach and educational materials about use of the garburator could be helpful in targeting that elusive last portion of household food still being trashed. Convenience is most cited consideration by residents about their waste management practices and habits, making disposers an easy choice.

InSinkErator has partnered with numerous cities across Canada, the U.S. and the world for exactly that purpose, and continues to support technical and best practice research to support well-informed decision-making by elected officials and agencies. Recently we helped the City of Vancouver to better understand those benefits, leading to its rejection of proposed restrictions.

We continue to offer our services to Metro Vancouver as its Plans are adopted and implemented.

Thank you for your continuing engagement with InSinkErator.

David Coffey

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Metro Vancouver Regional District
Draft Solid Waste Management Plan Additional Comments Received by Online Feedback Form - June 1 to August 1, 2026

Do you have any additional comments you would like to have submitted to the Minister of Environment and Parks along with the draft Solid Waste Management Plan?

- It is important for Metro to work in concert with neighboring municipalities and collaborate with them. This action should be part of the mission statement and objectives. As an example, people in the Fraser Valley Regional District should have unrestricted access to residuals from Metro Vancouver. Currently, Metro blocks this.

- The plan talks a lot about increasing the organics diversion and increasing access for multifamily and businesses, both group that need to hire private haulers. This does not seem to correlate with the forthcoming increase in organic disposal fees by $25/mt. For a multifamily property or small business, this is somewhere in the range of $3.25 in increased disposal cost per 64g tote, or almost an additional $170 / year. This also puts the disposal rate for commercial organics higher than the landfill disposal fee. This sort of discrepancy between plan and action will have negative longterm impacts on achieving goals if they continue.

- You seem to put all responsibility on the consumers of goods and their need to curb solid waste. What about the manufacturers of goods and their terrible packaging? In Europe the emphasis is on the manufacturers to make packaging more environmentally friendly. This is missing from your plan.

- This is, by far, one of the most practical and forward-thinking solid waste management plans I have ever had the pleasure of reading. It has aggressive but pragmatic targets, and has identified most (if not all) of the pathways to achieving those targets. One can only hope that the Ministry whole-heartedly supports this plan, and that the Region continues to be clear-eyed about how it prioritizes and innovative in how it operationalizes the goals, strategies, and actions.

- We need more incentives for residents and businesses to properly sort their waste and divert useful recyclable and compostable materials away from the landfill, as well as try to minimize resource use as much as possible. We also need more enforcement and fines applied for those that don't seem to care and just throw everything in garbage. The City is too scared to fine property owners and residents but when soft approach and letters fail to change their behavior, it makes sense to use some other tools! Way too many businesses and residents (especially in high rise buildings) do not participate in waste diversion because they face no incentive to change their behavior and do the right thing. We need to change that!

Do you have any additional comments you would like to have submitted to the Minister of Environment and Parks along with the draft Solid Waste Management Plan?

- Needs a brief non-repetitive version of this monster document (essentially unreadable) for regular folks. Current restrictions on plastic/ foam packaging recycling is annoying. Does the plan keep Vancouver transfer station and expand its recycling roles?

- No

- I have sent an email [redacted] outlining the comments I have given on the Revised Solid Waste Management plan.

- the overall goal of the plan is achievable and leadership from Metro Vancouver will help to move the whole province forward.

- We are disappointed not to see the phase-out of the use of 'Waste to Energy', also known as 'Landfill in the Sky' in MetroVancouver's Solid Waste Management Plan. While burning unrecycled waste can be an attractive option for places without a lot of room for landfill, this practice has serious human health impacts. Even for well regulated facilities, 'allowable emissions', 'fugitive emissions', and even 'unplanned releases' are all part of the incineration process. Unless emissions are trapped and put underground, these emissions also count towards the organizations GHG footprint, and the particulate matter involved affects everyone's health who lives around the plant. With decades of experience with incinerators in our region, we encourage you to carefully plan the phase down, and eventual phase-out of this dangerous infrastructure.

- My concern is that the current Solid Waste Management Plan does not clearly demonstrate a commitment to delivering Metro Vancouver's Climate 2050 objectives. If Climate 2050 defines where we want to go, then the Solid Waste Management Plan should clearly show how we're going to get there, with measurable actions, accountability, and outcomes.

- Thank you for recognizing that soil disposal takes up too much room in the Vancouver Landfill. In Section 6.4.5, could you go beyond the proposal to pursue opportunities for beneficial reuse of soil within the Vancouver Landfill property and instead pursue opportunities for beneficial reuse of soil within the region? This could include taking procurement measures such as requiring new Metro Vancouver projects to incorporate reused soil or aggregate into construction (as

opposed to using virgin quarried materials) or requiring a percentage of the waste or excess soil generated by municipal or regional projects to be reused.

Do you have any additional comments you would like to have submitted to the Minister of Environment and Parks along with the draft Solid Waste Management Plan?

- Regarding section 4.2.2 - it should be noted that there is significant organic waste processing capacity already in the Lower Mainland, Sea to Sky corridor and Interior all of whom currently process organics from Metro Vancouver and the FVRD. By adding an additional facility would be detrimental to existing facilities that are already needing more organic wastes.

- The proposed 2026 Solid Waste Management Plan is long on vision but short on actionable measures that Metro Vancouver itself can deliver. Much of of the Plan relies on actions by others, including municipalities, industry and the private sector. The cart is very much in front of the horse. Metro Van has advanced major infrastructure projects before the SWMP has been finalized and approved, leading to the belief the key decisions have already been made. All the while Flow Control is being established through infrastructure decisions, facility ownership and the regulatory framework Metro Van have in place. This is of concern because Metro Van is our regulator and competitor, stifling long-term private sector investment in the region. The Plan references hauler licensing but provides limited detail on how such a system would be implemented, what specific problem it is intended to address, or the impacts on private sector. Hauler licensing and flow control have been tabled 5 times by Metro Vancouver and were deemed Anti-Competitive by the Competition Bureau of Canada in 2020? After years of consultation, there is little evidence that industry feedback has meaningly influenced the direction of the plan, The Province should review Metro Vancouvers model whether the current structure provides value that best servers the interests of resident's municipalities and industry.

- As a professional agrologist and environmental practioner I beleive more needs to be done to ensure contamianted soil (including soil with invasives) needs to be managed in a way that is consistant with best management practices and in line with federal, provincial and municipal regulations. The draft solid waste management plan addresses all other forms of waste but is lacking direction as to what generators are obligated to do with clean and contamianted soil. This lack of direction results in the mismanagment of soil that will end up costing future generations and the region more in the long run as the cost to properly treat and dispose of waste will only increase over time.

6.0 – Final Comment Period Ending August 1

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: March 24, 2026 4:42 PM
To: john.mcewen@anmore.com; jross@belcarra.ca; mayor@bimbc.ca; mayor@burnaby.ca; pietro.calendino@burnaby.ca; sav.dhaliwal@burnaby.ca; chodge@coquitlam.ca; ttowner@coquitlam.ca; rbinder@delta.ca; dkruger@delta.ca; palbrecht@langleycity.ca; ewoodward@tol.ca; sferguson@tol.ca; mayor.berry@lionsbay.ca; druimy@mapleridge.ca; nnakagawa@newwestcity.ca; CNV Mayor; muril@dnv.org; nmacdonald@pittmeadows.ca; westb@portcoquitlam.ca; mlahti@portmoody.ca; Deb McKinnon; bmcnulty@richmond.ca; alexa.loo@richmond.ca; mayor@surrey.ca; ghepner@surrey.ca; harry.bains@surrey.ca; rob.stutt@surrey.ca; pardeep.kooner@surrey.ca; Doug Elford; lcassidy@tsawwassenfirstnation.com; ken.sim@vancouver.ca; clrdominato@vancouver.ca; clrbligh@vancouver.ca; clrkirby-yung@vancouver.ca; clrklassen@vancouver.ca; clrzhou@vancouver.ca; peter.meiszner@vancouver.ca; Mark Sager; mknight@whiterockcity.ca; michael.Wolfe@richmond.ca; Rosemary Wallace; Steve Darling; paul.weverink@anmore.com
Cc: ECS.Minister@gov.bc.ca; ENV.Minister@gov.bc.ca; Avery Gottfried; Deb Epps; Metro Vancouver Solid Waste Management Plan Update; Metro Vancouver - Solid Waste; Paul Henderson
Subject: Regarding Financial Transparency and Risk for Solid Waste Management Planning in Metro Vancouver
Attachments: ZWBC Letter to MV Board and ZWC re FOI results March 24 2026.pdf; MV FOI spreadsheet disposal costs.xlsx; Metro Vancouver FOI 2025-125 - Response to Applicant -costs per tonne info.pdf

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Dear Metro Vancouver Board and Zero Waste Committee,

Please find our letter regarding the financial transparency and risk in the solid waste management planning process attached.

I am also attaching the spreadsheet we used for calculations and the relevant info provided by Metro Vancouver under an FOIPPA request as well for reference.

We would be happy to answer any questions.

Sincerely,
Sue Maxwell

Sue Maxwell
Chair, Zero Waste BC
[redacted]
smaxwell@zerowastebc.ca
www.zerowastebc.ca

Zero Waste BC is a non-profit society that has been championing Zero Waste since 2008 with a mission to drive systemic change towards Zero Waste in BC.

I humbly acknowledge that the land on which I live, work and play is in the unceded territories of the Skwxwú7mesh (Squamish Nation) and Lil'wat7úl (Lil'wat Nation).

March 24, 2026

To the Metro Vancouver Board and Zero Waste Committee,
cc: Minister Dix, Minister Davidson, Avery Gottfried, Deb Epps,
solidwasteoperations@metrovancouver.org, Paul Henderson

Re: Solid Waste Management Planning

Dear Director or Zero Waste Committee Member,

Zero Waste BC is a non-profit association dedicated to driving systemic change towards Zero Waste in BC. We are writing to you because we are very concerned that the new solid waste management plan may be approved without decision-makers having a clear idea of the financial consequences or risks of approving such a plan. To date there have been piecemeal approvals of items like district energy and electricity sales contracts that collectively will make it harder for decision-makers to then shut down the facility once the actual costs are known. It is important that all of the facts and financial consequences are known before key decisions are made to avoid a repeat of the issues surrounding the liquid waste management system. This letter outlines the key issues and recommendations. In particular, we are concerned about the lack of financial transparency in assessing options for waste disposal. As a Director or Committee member, please ensure that decisions are not being made in haste without considering the potential negative consequences on human health, the environment, and use of taxpayer dollars. We urge you to not approve the Solid Waste Management Plan until these key issues are addressed.

Background

Zero Waste is defined as the "conservation of all resources by means of responsible production, consumption, reuse, and recovery of products, packaging, and materials without burning and with no discharges to land, water, or air that threaten the environment or human health". Our current resource consumption system is a linear take-make-waste system. Linear resource consumption systems create waste and other forms of pollution, deplete resources, change land uses, and diminish biodiversity by design. They also generate a huge amount of greenhouse gases which constitute just some of the discharges that threaten the economy, human health, and the environment. Here is the link to the updated Zero Waste Hierarchy which should be followed when developing waste solutions. Zero Waste BC is on Metro Vancouver's Public Technical Advisory Committee and has also participated in hosting some Collaborative Engagement sessions and we are very concerned about the solid waste planning process.

In the absence of a robust analysis for residual waste disposal options as part of the solid waste management planning process, we have been doing our own analysis with the publicly available information, however staff have shown different accounting for disposal costs. Despite repeated requests for more information, none was forthcoming leading us to file a request

under the *Freedom of Information and Protection of Privacy Act* (FOIPPA). We also requested information on dioxins including the October 2025 dioxin testing of a rooftop nearby the incinerator, lifespan and maintenance needs of the incinerator, correspondence with the Province regarding waste planning and the incinerator, radioactive materials in waste, waste costs per tonne, climate pollution and waste planning but were told that this would cost over $170,000 to provide. A scaled back request did reveal the spreadsheet numbers used by Metro Vancouver staff to determine the disposal costs (Zero Waste Committee meeting Sept 11, 2025). The request also highlighted that the reports on maintenance assessment for the incinerator and the October 2025 dioxin rooftop testing results had yet to be received.

Recalculations

Using this cost data, we were able to create a spreadsheet using the formulas for calculating the disposal numbers. This showed several issues with how the per tonne disposal costs were calculated:

1. The costs for the Recycling and Waste Centres were apportioned to each disposal type based on the proportion of waste that flowed to them. This is problematic for two reasons. The first is that these facilities are needed regardless of where the waste flows and as the focus turns more to Zero Waste, their function should also evolve to include more opportunities for reuse, repair and recycling. The second is that the costs will vary each year based on which disposal locations takes the most waste. For example, if in one year, all the waste went to one facility, then that facility would bear 100% of the Recycling and Waste Centre costs making the disposal costs immediately much more expensive (and the costs per tonne only known at the end of the fiscal year) despite the fact that the actual disposal costs to receive waste at that facility had not changed.
2. The 2024 numbers which were the key ones shown to the Zero Waste Committee include an insurance payout for a malfunction issue at the incinerator. In the 2024 accounting year, that resulted in an almost $4 million reduction in costs of the incinerator. This should not be an ongoing revenue source (though these types of issues may increase in frequency as the incinerator is past its useful life). This means that the 2024 numbers provided should not be used to make decisions as they are anomalous.
3. For 2024, a new category of revenue was added -special handling waste tipping fee increment -where an additional fee is charged for managing specific types of waste going to the incinerator. These include:
    - international airline waste
    - international marine waste
    - out of region special handling waste
    - pharmaceuticals
    - police loads
    - special handling waste (not defined).

    This is problematic as either this waste is municipal solid waste, which is what the incinerator's operational certificate authorizes it to burn, or it is another type of waste that must be approved by the Director (provincial) and follow the steps outlined in section 2.8 of the Operational Certificate). So either the regional district is accepting

types of waste that it is not required to manage (displacing volume for other waste and incurring contingency costs) or it is charging extra for types of waste it is meant to manage already.

The table below shows the costs for each disposal option with the following details:

- the first row is the costs provided by Metro Vancouver under the FOIPPA request and shown at the Sept 2025 ZWC meeting.
- the next row is corrected by not apportioning the Recycling and Waste Centre (R&WC) costs to disposal costs and does not including the insurance claim but does assume the full electricity sales occurred
- the third row further subtracts the special handling incremental fees
- the next row includes debt servicing as budgeted (which only applies to the incinerator as the other two disposal options are not owned by Metro Vancouver and in 2024 the debt payment was less than the budgeted amount)
- the final row with what the costs would have been if the new incinerator management contract were in place at that time. Note that the new contract is $245 million over 5 years, averaged at $49 million per year. More accurate costing in term of split between operations and capital is not possible due to lack of publicly available data but it will be important for the Board and Committee to understand the impact on future costs which are all associated with the incinerator.

2024 Disposal Costs per Tonne	Vancouver Landfill	Incinerator	External landfill
Metro Van claimed costs provided under FOI	$123.17	$122.86	$230.55
Without R&WC costs + insurance claim	$79.65	$109.58	$175.89
+ Without special handling	$79.65	$116.24	$175.89
+ With debt servicing as budgeted	$79.65	$118.15	$175.89
+ If new incinerator management contract were in place in 2024	$79.65	$192.47	$175.89

Capital costs and debt servicing

Metro Vancouver budget reports previously outlined the specific capital items for the incinerator which showed an itemized replacement of the incinerator piece by piece but since we conducted our Case Study on Metro Vancouver using that data, the budget now just has one line “WTEF Maintenance” meaning that there is no accountability for if an item was repaired, replaced, etc., in what fiscal year, if the work actually took place or was carried over, nor a comprehensive understanding of to what degree the facility is being rebuilt.

Debt servicing is variable rather than a fixed cost and will increase for the incinerator as forecast capital costs are incurred so it may be best to have these as a separate line for incinerator-related debt in the accounting, as well as information on total debt associated with the incinerator. The amount paid back in a given year is discretionary (i.e. the amount paid back or included in the budget varies with the direction of the Board) -for example, in 2024 the budget called for $12.47 million of total solid waste debt servicing, however the actual payment was reduced to $10.64 million.

The final report from HDR on waste to energy facility condition assessment (a project started in 2023 but for which we were told that the final report is not yet available) should provide decision-makers information on what the upcoming capital needs are to keep this 38 year-old facility running. Most incinerators have reached the end of their useful lives at this age or would require a significant rebuild or refurbishment so this information is crucial for an informed decision. There have already been estimates of over $400 million of capital costs going forward which would rapidly escalate the debt servicing costs of the incinerator, and that is before expected additional needs that would be identified in the report. Future capital costs can impact the cost per tonne considerably. For example, if $400 million were spent on capital costs for the incinerator and paid back over 20 years (not including any interest for simple math), then that **adds** $80 per tonne of costs to all waste going to the incinerator (assuming 250,000 tonnes of waste is burned per year).

In addition, the Province is requiring Metro Vancouver to manage a process to update the Operational Certificate to current standards for pollution control and testing by September 2026. The results and thus the costs of this are unknown.

It should also be made clear that capital costs for the landfills in the five-year plans relate to closed landfills (past disposal) and should not impact analysis for future decisions on disposal options as Metro Vancouver is not using any open landfills it owns.

These numbers show that the Vancouver Landfill is the lowest cost option so Metro Vancouver should work hard to preserve the capacity through pursuing Zero Waste. The incinerator is very costly and forecast to become much more so, while there should be opportunities to reduce the costs of external landfills through better procurement processes. In all cases, funding pursuit of zero waste is the smarter option.

Tie in to budget

The figures provided by Metro Vancouver make it very difficult to see how these numbers align with the five year Financial Plan (2024 costs noted here). For many of the categories of costs shown in the numbers provided under the FOI request, it is hard to tell under which line item they fall.

Contingency costs are not apparent in the solid waste budget but should be so that decision-makers can see the actual costs. It is important to understand that if waste is not reduced, these costs continue yet are not shown in the budgets giving the appearance that there is no financial consequence for missing waste reduction targets.

Recommendations:

1. **Accountability** -Include solid waste management in the public enquiry started to examine the management of liquid waste.
2. **Financial transparency** -Require budgets to be more accurate and specific. Require actual cost data to be included for the three years prior in the Five Year Financial Plans in order to understand trends and changes in accounting practices.
3. **Informed Decision-making** -Require an independent analysis of residual disposal options including accurate costing for previous years and estimates of costs over the time frame of the next solid waste management plan **before** the plan is approved.
4. **Protect the community and environment** -Require a report on the source of the dioxins on the rooftop near the incinerator and a plan for the next steps which must include more comprehensive testing of stack emissions, soil, water and sediments to ensure the facility is not polluting the surrounding area and incurring risk and possible costs for Metro Vancouver. This is basic due diligence.
5. **Transparency to partners**- Develop a system to ensure key interest holders are kept informed. This must include decision makers of the Zero Waste Committee, Board and municipal councils; First Nations; local Health Authorities; the Province; the public and others. The results from implementing the recommendations above should be made public as soon as the results are available. This is also important to the 385 people and organizations that signed our petition asking Metro Vancouver to shut down the incinerator.

For transparency, I am also including the spreadsheet used to develop this and we are happy to receive feedback on it or explain the calculations as well as to learn further about the Metro Vancouver cost calculations.

We hope that implementing these recommendations can put Metro Vancouver on the path to becoming a leader in reducing solid waste. Please contact me if you have any questions.

Sincerely,

Sue Maxwell,
Chair
Zero Waste BC

		2024 without insurance claims nor recycling centre costs			2024 + without special handling			2024 + with budgetted debt servicing			2024 + if had new Veolia contract		
Category	**MV numbers**	**total tonnes**	**garbage only tonnes**	**Costs**	**total tonnes**	**garbage only tonnes**	**Costs**	**total tonnes**	**garbage only tonnes**	**Costs**	**total tonnes**	**garbage only tonnes**	**Costs**
Total Costs per tonne		$/tonne	tonnes	total cost	$/tonne	tonnes	total cost	$/tonne	tonnes	total cost	$/tonne	tonnes	total cost
Vancouver Landfill													
Metro R &WC Operating inc admin, debt allocation	$ 54.66		405,660	$ -		405,660	$ -		405,660	$ -		405,660	$ -
Metro R &WC Van LF transfer cost	$ 19.18	$ 19.18	405,660	$ 7,780,552	$ 19.18	405,660	$ 7,780,552	$ 19.18	405,660	$ 7,780,552	$ 19.18	405,660	$ 7,780,552
Van LF disposal cost	$ -												
LF total operating cost net	$ 49.24	$ 49.24	509,495		$ 49.24	509,495		$ 49.24	509,495		$ 49.24	509,495	
Metro Total Delta royalty blended rate	$ 4.80	$ 4.80			$ 4.80			$ 4.80			$ 4.80		
LF Program Admin Labour Expense allocation	$ 0.34	$ 0.34			$ 0.34			$ 0.34			$ 0.34		
Metro VLF Closure Priv NPV Estimate	$ 10.00	$ 10.00			$ 10.00			$ 10.00			$ 10.00		
total Metro Garbage only waste , VLF direct haul + transfer t	**$ 64.38**	**$ 64.38**		$ 32,801,889	**$ 64.38**		$ 32,801,889	**$ 64.38**		$ 32,801,889	**$ 64.38**		$ 32,801,889
Total VLF cost per tonne	**$ 123.17**	**$ 79.65**		**$ 40,582,441**	**$ 79.65**		**$ 40,582,441**	**$ 79.65**		**$ 40,582,441**	**$ 79.65**		**$ 40,582,441**
	$ -												
WTEF	$ -												
Metro R&WC Operating Cost to WTEF transfer tonnes	$ 54.66	$ -	84,196	$ -	$ -	84,196	$ -	$ -	84,196	$ -	$ -	84,196	$ -
Metro R&WC Transfer Cost to WTEF transfer tonnes	$ 14.19	$ 14.19		$ 1,194,738	$ 14.19		$ 1,194,738	$ 14.19		$ 1,194,738	$ 14.19		$ 1,194,738
WTEF Operating Cost, net	$ -												
Operating Cost	$ -		243,169	$ 30,432,853		243,169	$ 30,432,853		243,169	$ 30,432,853		243,169	
Administration Cost	$ -			$ 494,971			$ 494,971			$ 494,971			
Total cost	$ -			$ 30,927,824			$ 30,927,824			$ 30,927,824			$ 49,000,000
Revenue -electricity sales	$ -			$ (6,254,000)			$ (6,254,000)			$ (6,254,000)			$ (6,254,000)
Revenue -metal sales ferrous and non-ferrous	$ -			$ (291,477)			$ (291,477)			$ (291,477)			$ (291,477)
Revenue -Special handled waste tipping fee incremenet	$ -			$ (1,620,343)									
Total revenue	$ -			$ (8,165,820)			$ (6,545,477)			$ (6,545,477)			$ (6,545,477)
Total Burnaby WTEF Operating Cost net	$ -			$ 22,762,004			$ 24,382,347			$ 24,382,347			$ 42,454,523
Generator repair cost	$ -			$ -			$ -			$ -			$ -
Turbine Insurance Claim Business interruption	$ -			$ -			$ -			$ -			$ -
Turbine Insurance Claim Property	$ -			$ -			$ -			$ -			$ -
Total Generator Repair Insurance claims	$ -			$ -			$ -			$ -			$ -
Annual Debt service allocation	$ -			$ 2,689,123			$ 2,689,123			$ 3,153,797			$ 3,153,797
Total WTEF Operating net cost/tonne	$ 99.02	$ 104.66	243,169	$ 25,451,127	$ 111.33	243,169	$ 27,071,470	$ 113.24	243,169	$ 27,536,144	$ 187.56	243,169	$ 45,608,320
Total WTEF Disposal Cost	**$ 122.86**	**$ 109.58**		**$ 26,645,865**	**$ 116.24**		**$ 28,266,208**	**$ 118.15**		**$ 28,730,882**	**$ 192.47**		**$ 46,803,058**
	$ -												
Contingency Out of Region Alternative	$ -												
Metro R& WC Operating Cost	$ 54.66	$ -	151,539	$ -	$ -	151,539	$ -	$ -	151,539	$ -	$ -	151,539	$ -
Contingency Transfer and Disposal Cost	$ 171.34	$ 171.34	151,539	$ 25,964,738	$ 171.34	151,539	$ 25,964,738	$ 171.34	151,539	$ 25,964,738	$ 171.34	151,539	$ 25,964,738
Metro R&WC Handling Cost	$ 4.55	$ 4.55	151,539	$ 689,504	$ 4.55	151,539	$ 689,504	$ 4.55	151,539	$ 689,504	$ 4.55	151,539	$ 689,504
Metro Labour Expense allocation	$ -												
Total Contingency Disposal Cost	**$ 230.55**	**$ 175.89**		**$ 26,654,242**	**$ 175.89**		**$ 26,654,242**	**$ 175.89**		**$ 26,654,242**	**$ 175.89**		**$ 26,654,242**

Note several cells have formulas added and the calculated numb	2024				2023			2021		
Category	**total tonnes**	**garbage only tonnes**	**Costs**	**Budget**	**total tonnes**	**garbage only tonnes**	**Costs**	**total tonnes**	**garbage only tonnes**	**Costs**
			resource recovery tonnes							
INBOUND GARBAGE										
Recycling and Waste Centres -direct haul	710,999	648,005.013	62,994							
Metro to WTEF garbage only -direct haul	140,705	140,704.846								
total Metro garbage		**788,709.859**								
Other material to WTEF inc special waste -direct haul		18,268.293								
total to WTEF		**158,973.139**								
total Metro garbage		**806,978.152**								
Metro to VSTS to VLF garbage only -direct haul		42,701.830								
Metro to VLF garbage only -direct haul		61,133.590								
total Metro to VSTS and VLF		**103,835.420**								
total Metro garbage		**910,813.572**								
Vancouver/Delta (VSTS) Garbage only -direct haul		97,311.719								
Vancouver/Delta (VLF) Garbage only		59,384.960								
total VLF/VSTS garbage		**156,696.679**								
VLF Other (btm ash, demo, residuals) -direct haul		67,005.671								
total VLF/VSTS garbage inc lines 9, 10)		**260,532.099**								
total regional waste garbage -direct haul	**1,197,510**	**1,134,515.922**	**62,994**							
OUTBOUND -Garbage only										
Vancouver Landfill										
Metro direct haul + VSTS		42,701.830								
Metro VLF direct haul		61,133.590								
Metro VLF transfer, garbage only		405,659.626								
total Metro Garbage only waste, direct haul VSTS/VLF + VLF transfer		**509,495.046**								
Delta/Van -direct haul VLF + VSTS		156,696.679								
total VLF garbage only		**666,191.725**								
VLF Other (btm ash, demo, residuals)		67,005.671								
total VLF		**733,197.396**								
Waste to Energy Facility										
Direct haul garbage only		140,704.846								
Metro Recycling and Waste Centres Transfer		84,195.767								
total		**224,900.613**								
Direct haul other inc special waste		18,268.293								
total WTEF		**243,168.906**								
Hauling to contingency cost (from R&WCs)										
CAMP		80,718.506								
SEAIY		12,246.371								

Category	total tonnes	garbage only tonnes	Costs	Budget	total tonnes	garbage only tonnes	Costs	total tonnes	garbage only tonnes	Costs
SUNRLF		58,574.391								
Total Contingency		**151,539.268**								
Total Disposal		**1,127,905.570**								
Balance In -Out		6,610.352								
			Notes inc special waste, residuals, bottom ash)							
COSTS	**Cost per tonne**	**Tonnes**	**Cost**	**Budget**						
Hauling to WTEF (from R&WCs)	$ 14.19	84,139.00	$ 1,193,932.41	possibly in R&WC budget						
Hauling to VLF (from R&WCs)	$ 19.18	405,660.00	$ 7,780,558.80	possibly in R&WC budget						
Hauling to Contingency Sites (total handling from R&WCs)	$ 4.55	151,539.27	$ 689,503.67	possibly in R&WC budget						
Metro LF Program Administration Labour Expense Allocation			$ 173,617.00	unclear where exists in budget						
Metro -Delta Royalty cost for Garbage only Waste to VLF	$ 4.80	555,400.00	$ 2,665,920.00	unclear where exists in budget						
Metro Annual VLF Closure/Post Closure Reserve Allocation	$ 10.00	555,400.00	$ 5,554,000.00	unclear where exists in budget						
REGIONAL Facility Costs										
Van Landfill net operating expenditures										
Operations net recovery			$ 28,964,182.00							
VLF gas control			$ 4,956,019.00							
Weigh scales 50%			$ 214,379.00							
Solid Waste management (48.08%)			$ (46,274.00)							
total	$ 49.24	692,357	$ 34,088,306.00	$ 35,825,563.00						
								400000000	capital	
Metro Recycling and Waste Centres								20	yrs	
total operating costs			$ 47,600,458.00					$ 20,000,000.00	per yr	
less VSTS contract expense			$ (3,745,022.00)					$ 80.00	per tonne	
less sundry revenue			$ (1,995,113.00)							
less contingency handling costs, WTEF/VLF transfer costs			$ (9,662,252.00)							
less organics management cost			$ (5,409,106.00)							
net operating costs	**$ 37.68**		**$ 26,788,965.00**							
solid waste transfer station administration			$ 6,060,554.00							
sundry revenue			$ (961,860.00)							
admin	**$ 7.17**		**$ 5,098,694.00**							
debt servicing	**$ 9.81**		**$ 6,977,339.00**	$ 8,176,463.00						
total (inc debt servicing)	**$ 54.66**	710,999	**$ 38,864,998.00**	$ 49,564,839.00						
Vancouver South Transfer Station										
operating expenditure inc transfer costs to VLF			$ 14,819,466.00							
weighscales 50%			$ 214,379.00							
solid waste management (10.58%)			$ (10,183.00)							
	$ 107.30	140,014	**$ 15,023,662.00**	unclear where this is in budget if at all						

Category	total tonnes	garbage only tonnes	Costs	Budget	total tonnes	garbage only tonnes	Costs	total tonnes	garbage only tonnes	Costs
WTEF										
Operating net										
Waste incineration			$ 30,432,853.00	$ 29,266,387.00						
Administration			$ 494,971.00							
Electricity sales			$ (3,649,146.00)	$ (6,254,000.00)						
Ferrous and Non ferrous sales -metal			$ (291,477.00)	?						
Special handling wastes increment	$ 142.00	11,410.86	$ (1,620,342.55)							
total	$ 104.32	**243,169**	**$ 25,366,858.45**							
debt servicing	$ 11.06		$ 2,689,123.00	$ 3,151,298.00						
Generator repair										
repair cost			$ 3,940,867.00							
insurance payout business interruption for SWS turbine			$ (5,015,317.00)							
Insurance payout for property insurance SWS turbine			$ (2,902,474.00)							
total	**$ (16.35)**		**$ (3,976,924.00)**							
Total WTEF	**$ 99.02**									
Contingency Hauling and Disposal										
blended cost of 3 locations which includes radiation, state tax	**$ 171.34**			in a contingency budget?						

Total Costs per tonne	$/tonne	tonnes	total cost	$/tonne	tonnes	total cost	$/tonne	tonnes	total cost
Vancouver Landfill									
Metro R &WC Operating inc admin, debt allocation	$ 54.66	405,660	$ 22,174,378	$ 68.03	411,890	$ 28,020,877	$ 45.53	482,872	$ 21,985,162
Metro R &WC Van LF transfer cost	$ 19.18	405,660	$ 7,780,552	$ 17.45	411,890	$ 7,187,481	$ 12.96	482,872	$ 6,258,021
Van LF disposal cost									
LF total operating cost net	$ 49.24	509,495		$ 40.94	511,811		$ 36.47	706,498	
Metro Total Delta royalty blended rate	$ 4.80			$ 9.41			$ 4.01		
LF Program Admin Labour Expense allocation	$ 0.34			inc in above			inc in above		
Metro VLF Closure Priv NPV Estimate	$ 10.00			$ 10.00			$ 10.00		
total Metro Garbage only waste , VLF direct haul + transfer tc	**$ 64.38**		$ 32,801,889	**$ 60.35**		$ 30,887,794	**$ 50.48**		$ 35,664,019
Total VLF cost per tonne	**$ 123.17**		**$ 62,756,819**	**$ 129.14**		**$ 66,096,151**	**$ 90.46**		**$ 63,907,202**
WTEF									
Metro R&WC Operating Cost to WTEF transfer tonnes	$ 54.66	84,196	$ 4,602,353	$ 68.03	82,597	$ 5,619,074	$ 45.53	110,822	$ 5,045,726
Metro R&WC Transfer Cost to WTEF transfer tonnes	$ 14.19		$ 1,194,738	$ 12.47		$ 1,029,985	$ 9.48		$ 1,050,593
WTEF Operating Cost, net									
Operating Cost		243,169	$ 30,432,853		236,278	$ -		241,530	$ -
Administration Cost			$ 494,971			$ -			$ -
Total cost			$ 30,927,824			$ -			$ -

Category	total tonnes	garbage only tonnes	Costs	Budget	total tonnes	garbage only tonnes	Costs	total tonnes	garbage only tonnes	Costs
Revenue -electricity sales			$ (3,649,146)				$ -			$ -
Revenue -metal sales ferrous and non-ferrous			$ (291,477)				$ -			$ -
Revenue -Special handled waste tipping fee incremenet			$ (1,620,343)				$ -			$ -
Total revenue			$ (5,560,966)				$ -			$ -
Total Burnaby WTEF Operating Cost net			$ 25,366,858				$ -			$ -
Generator repair cost			$ 3,940,867				$ -			$ -
Turbine Insurance Claim Business interruption			$ (5,015,317)				$ -			$ -
Turbine Insurance Claim Property			$ (2,902,474)				$ -			$ -
Total Generator Repair Insurance claims			$ (7,917,791)	$ (3,976,924)			$ -			$ -
Annual Debt service allocation			$ 2,689,123		$ 4.32	236,278	$ 1,021,203	$ 2.41	241,530	$ 582,695
Total WTEF Operating net cost/tonne	$ 99.02	243,169	$ 24,079,057		$ 87.86	236,278	$ 20,758,674	$ 67.57	241,530	$ 16,320,170
Total WTEF Disposal Cost	**$ 122.86**		**$ 29,876,148**		**$ 120.32**		**$ 28,428,936**	**$ 95.22**		**$ 22,999,183**
Contingency Out of Region Alternative										
Metro R& WC Operating Cost	$ 54.66	151,539	$ 8,283,518		$ 68.03	100,584	$ 6,842,730	$ 45.53	63,974	$ 2,912,736
Contingency Transfer and Disposal Cost	$ 171.34	151,539	$ 25,964,738		$ 170.45	100,584	$ 17,144,543	$ 140.11	63,974	$ 8,963,397
Metro R&WC Handling Cost	$ 4.55	151,539	$ 689,504		$ 4.36	100,584	$ 438,546	$ 2.81	63,974	$ 179,767
Metro Labour Expense allocation					$ 6.48	100,584	$ 651,784	$ 0.96	63,974	$ 61,415
Total Contingency Disposal Cost	**$ 230.55**		**$ 34,937,760**		**$ 249.32**		**$ 24,425,819**	**$ 189.41**		**$ 12,055,900**

Capital cost

$	400,000,000	capital
	20	yrs
$	20,000,000	per yr
$	80.00	per tonne

Metro SW Services, Operations

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

1 WASTE FLOWS (tonnes)

					Total Tonnes		Garbage-Only Tonnes	Resource Recovery Tonnes	
A	**INBOUND Regional Direct Haul**								
	1	Metro Recycling & Waste Centre							
		United Blvd,			270,156.097		263,386.613	6,769.484	
		Langley			10,619.070		7,411.175	3,207.895	
		Maple Ridge			11,958.798		9,234.463	2,724.335	
		North Shore			167,098.207		122,856.128	44,242.079	
		Central Surrey			11,919.785		10,072.299	1,847.486	
		North Surrey			239,247.660		235,044.335	4,203.325	
		Metro Recycling & Waste Centres		Direct Haul	710,999.617		648,005.013	62,994.604	
									total Metro Garba
	2	Metro to WTEF Garbage Only		Direct Haul	140,704.846		140,704.846		788,709.859
	3	Other to WTEF incl Special Waste		Direct Haul	18,268.293		18,268.293		
					158,973.139		158,973.139		
					869,972.756		**806,978.152**		
	4	Metro to VSTS to VLF Garbage Only		Direct Haul	42,701.830		42,701.830		total VLF/VSTS Ga
	5	Metro to VLF Garbage Only		Direct Haul	61,133.590		61,133.590		260,532.10
							103,835.420		
		Total Metro Waste tonnes			973,808.176		910,813.572	62,994.604	
	6	Vancouver/Delta (VSTS) Garbage Only		Direct Haul	97,311.719		97,311.719		total Garbage-Onl
		Vancouver/Delta (VLF) Garbage Only			59,384.960		59,384.960		1,049,241.96
	7	VLF Other (btm ash, Demo, Residuals,		Direct Haul	67,005.671		67,005.671		
		Total Regional Waste Tonnes Direct Haul			1,197,510.526		1,134,515.922	62,994.604	
B	**OUTBOUND DISPOSAL SITE - METRO Garbage-Only**								
	1	Vancouver Landfill (VLF)							
		Metro - Direct Haul + VSTS					42,701.830		
		Metro - VLF Direct Haul					61,133.590		
		Metro VLF Transfer, Garbage Only				1	405,659.626		
							466,793.216		
		Total Metro Garbage-Only Waste, Direct Haul VSTS/VLF + VLF Transfer				7	509,495.046		
		Delta/Van - Direct Haul VLF + VSTS					156,696.679		
				Total VLF Garbage Only			666,191.725		
		VLF Other (Btm ash, Demo, Residuals,					67,005.671		
					Total VLF		**733,197.396**		
	2	Waste to Energy Facility							
		Direct Haul Garbage Only		R&WC Transfer			140,704.846		
		Metro Recycling & Waste Centre (R&WC) Transfer				8	84,195.767		
							224,900.613		
		Direct Haul Other incl Special Waste					18,268.293		
					Total WTEF	10	**243,168.906**		
	3	Hauling to Contingency Cost	Metro R&WC	To			Tonnes		
				CAMP			80,718.506		
				SEAIY			12,246.371		
				SUNRLF			58,574.391		
	4	Alternate Site (Contingency)		R&WC Transfer	Total Contingency	15	**151,539.268**		

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5	Net Inbound Year-end Inventory				In-Out Balance Entry - No Disposal			6,610.353		
					Total Metro Disposal Tonnes			1,134,515,923		

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

2 Metro COST $/Tonne

1	Hauling to WTEF - Garbage Cost			Rate/t		Avg Rate/t		Hauling Cost $	Total Tonnes	
		United Blvd,		s.17, s.21				s.17, s.21	42,972	
		North Shore							10,837	
		Central Surrey								
		North Surrey							30,330	
		Scale recon outboud site to inbound disposal							-	
		WTEF Transfer Cost/t - Average				$14.19	9	1,193,880	84,139	
									(56.6300)	in out site/ WTEF scale
2	Hauling to VLF - Garbage Cost			Rate/t		Avg Rate/t		Hauling Cost $	Total Tonnes	
	Recycling & Waste Reduction Centre									
		United Blvd,		s.17, s.21				s.17, s.21	133,898	
		Langley							6,827	
		Maple Ridge							8,804	
		North Shore							98,921	
		Central Surrey							10,054	
		North Surrey							147,154	
		VLF Transfer Cost /t Average Rate				$19.18	3	7,778,868	405,660	
3	Hauling Contingency Cost		From	To		Tonnes				
			United Blvd.			84,113.62		$ 382,716.96		
			N. Surrey			57,042.82		$ 259,544.81		
			N. Shore			10,382.84		$ 47,241.90		
	Contingency Total Handling Cost R&WC Cost /T			$4.55	17	151,539.27		$ 689,503.67	689,504	
4	Metro Landfill Program Administration Labour Expense Allocation									
	LF Program - VLF Burns Bog Disposal Share		62.5%	$277,997			6	$ 173,617		
		SA06361 SW Landfills Prgrm. ($37,012,103/$59,264,005)								
5	Metro - Delta Royalty Cost - Garbage-Only Waste to VLF								Tonnes	
	Sec 6.2	Western Royalty		s.17, s.21				s.17, s.21	100,577	
	Sec 6.3	Eastern Royalty (exlc Btm Ash)							454,822	
		Total Delta Royalty Cost/t				$4.80	5	$ 2,666,147	555,400	
						avg.rate				
6	Metro Annual VLF Closure/Post Closure Reserve Allocation									
		NPV Estimate per Annual Disposal Cost/t				$10.00		$ 5,553,998	555,400	

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

3 Regional FACILITY COST $/Tonne

						Facility $ Rate per Tonne		Net Actual Expenditures	Total Facility Tonnes	
A	Vancouver Landfill (Burns Bog)									
	Operating Expenditure, net									
		CC 35600 VLF Operations, net Recovery						$ 28,964,182	Ppd. by: SW Services, Operations 2/27/2026 2:36 PM	

				CC 35605 VLF Gas Control									4,956,019		
				CC 35610 Weighscales 50%									214,379		
				CC 35150, CC 35151, Solid Waste Management (48.08%)									(46,274)		
		Facility Cost/Tonne								**$49.24**	4	$	34,088,307		692,357
	B	Metro Recycling & Waste Reduction Centres (R&WC)													
				Total Operating Expense **(Excl. VSTS exp)**, net Sundry Revenue								$	47,600,458		
				Less:	Metro R&WC - VSTS Contract Expense								(3,745,022)		
				Less:	net Sundry Revenue								(1,995,113)		
				Less:	Metro R&WC - Contingency Hdlg. Costs, WTEF/VLF Trsf. Costs								(9,662,252)		
				Less:	Organics Management Cost								(5,409,106)		
				Metro R&WC Operating Costs , net						$37.68		$	26,788,965		
			SA06340	**Solid Waste Transfer Station System Administration**				Total Expenditures				$	6,060,554		
				7500	**Sundry Revenue**							$	(961,860)		
								Net Admin		$7.17	18	$	5,098,694		
			SW Services Annual Debt Expenditure Allocation												
					R&WC Debt Share		65.6%	$ 10,637,452		$9.81		$	6,977,339		
					R&WC shr Budget 24 (8,176,463/12,465,602)			2024 Actual Debt Service							excl. VSTS
		R&WC 's Total Operating Cost/Tonne, average								**$54.66**	2	$	38,864,998		711,000
	C	Vancouver South TS (VSTS)													
			Operating Expenditure,												
				CC 35500 VSTS Operations, including Transfer Costs to VLF								$	14,819,466		
				CC 35610 Weighscales 50%									214,379		
				CC 35150, CC 35151, Solid Waste Management (10.58%)									(10,183)		
		Facility Cost/Tonne								**$107.30**		$	15,023,663		140,014
	D	Burnaby Waste to Energy (WTEF)													
		1	Operating Expense, Net												
			a	SA06320-Solid Waste Waste to Energy Facility Regional Waste Incineration								$	30,432,853		
				SA06321-Solid Waste Waste to Energy Facility Administration									494,971		
								Total Expenditure				$	30,927,824		
			b	Revenue Recovery											
				7790	Electrical Energy Sales								(3,649,146)		
				7500	Ferrous + Non-Ferrous Sales								(291,477)		
				7100	User Fees - Special Handled Waste (SHW) Increment										
				SHW Tonnes * Increment ($295 SHW -$153 Reg Wste.)				11,410.863		$142.00			(1,620,343)		
								Total Revenue Recovery					(5,560,966)		

Row Labels	Load	KG	rate
Add/Remove Offence	100	0	
Bar screenings	301	908,480	Regular waste
Garbage	27,746	132,023,766	Regular waste
Inbound WTEF XOB Transfer Garbage	3,030	84,195,765	Regular waste
International Airline Waste	596	3,079,670	SHW
International Marine Waste	1,573	5,881,448	SHW
Municipal Garbage	2,813	8,681,080	Regular Waste
Noxious Weed (Muni Rate)	1	430	Regular Waste
Out of Region Special Handle Waste	7	37,180	SHW
Pharmaceuticals	1	5,210	SHW
Pocket Coil Mattresses	7	26,800	Discounted rate
Police Loads	95	98,360	SHW

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					Sludge Screenings		734	5,921,260		Regular Waste							
					Special Handling Waste		631	2,308,995		SHW							
					Toxic & Noxious Weeds		1	460		Regular waste							
					Grand Total		37,636	243,168,904									
							Total	11,410.863		SHW							
								Net Operating Cost		$104.32	11	$ 25,366,858					
		2	Generator Repair														
			a	SA06356 - Total Solid Waste Waste to Energy Generator Repair Cost						$16.21	12	3,940,867					
				Turbine Insurance Claims - Business Interruption and Property														
				7500	Business Interruption for SWS turbine							(5,015,317)					
				7500	Property Insurance for SWS turbine							(2,902,474)					
								Total Turbine Insurance Claims		($32.56)	9	$ (7,917,791)					
								Net Generator Repair		($16.35)		$ (3,976,924)					
		3	SW Services Annual Debt Expenditure Allocation														
					WTEF Debt Share		25.3%	$ 10,637,452		$11.06	14	$ 2,689,123					
					WTEF shr Budget 24 (3,151,298/12,465,602)			2024 Actual Debt Service									
		Burnaby WTEF Facility Cost/Tonne								**$99.02**		$ 24,079,057	10	243,169			
	E	Contingency Hauling & Disposal - Unit Cost Blended Rate															
										Loads		Per Brent K.					
		GFL										s.17, s.21					
		Republic	(REPGRN)	2023 Total Costs w/radiation; w/WA State Tax (Cdn)													
		Waste Mgmt.	(WMCOWD)														
												Blended Rate					
		Total Hauling/Disposal Cost/Tonne CND $									16	$171.34					

Metro Solid Waste Services,

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2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

	A.	Vancouver Landfill (VLF, Burns Bog)						Tonnes		$ / Tonne		$ Total					
		1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)					405,660	1	$54.66	2	$ 22,174,359		Metro Trsf. excl. Direct Haul			
		2	Metro R&WC Vancouver Landfill Transfer Cost, **Transfer Tonnes**					405,660		$19.18	3	7,780,552		Metro Trsf. excl. Direct Haul			
		3	Vancouver Landfill Disposal Cost											R&WC Costs		$73.84	
			Landfill Total Operating Cost, net							$49.24	4				80%	58.79	
			Metro Total Delta Royalty - Blended Rate							s.17, s.21	5					$64.38	
			Landfill Program Administration Labour Expense Allocation 62.45% * $277,997								6					123.17	
			Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne, Estimate														
			Total Metro Garbage-Only Waste, **VLF Direct Haul + Transfer tonnes**					509,495	7	$64.38		32,801,889					
												$ 62,756,799					
			Vancouver Landfill, Total Cost /Tonne					509,495				**$123.17**					
	B.	Burnaby Waste to Energy (WTEF)						Tonnes		$ / Tonne		$ Total		R&WC Costs		$68.85	
		1	Metro R&WC Operating Cost to WTEF Transfer Tonnes					84,196	8	$54.66	2	$ 4,602,349			35%	$23.84	
		2	Metro R&WC Transfer Cost to WTEF Transfer Tonnes					84,196		$14.19	9	1,194,684		(avg Rate to outbound flows)		$99.02	
		3	WTEF Operating Cost, Net													$122.86	
			a	Operating Cost								30,432,853					
			b	Administration Cost								494,971					
				Total Cost								30,927,824					
			c	Revenue - Electricity Sales								(3,649,146)					
			d	Revenue - Metal Sales, Ferrous and Non-ferrous								(291,477)					

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			e	Revenue - Special Handled Waste Tipping Fee Increment							(1,620,343)		
				Total Revenue							(5,560,966)		
				Total Burnaby WTEF Operating Cost, Net		243,169	10	$104.32	11		25,366,858		
			f	Generator Repair Cost		243,169		$16.21	12		3,940,867		
			g	Turbine Insurance Claim - Business Interruption							(5,015,317)		
			h	Turbine Insurance Claim - Property							(2,902,474)		
				Total Generator Repair Insurance Claims		243,169		($32.56)	13		(7,917,791)		
			i	Annual Debt Service Allocation'	25.3%	$ 10,637,452	14	$11.06			2,689,123		
				WTEF shr Budget 24 (3,151,298/12,465,602)									
			Total WTEF Operating , Net Cost/Tonne			243,169		$99.02			24,079,057		
		4	Total WTEF Disposal Cost								$ 29,876,090		
				Waste-to-Energy, Total Cost /Tonne		243,169					**$122.86**		
	C.	Contingency Out-of-Region Alternative				Tonnes		$ / Tonne			$ Total		
		1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)			151,539	15	$54.66	2		$ 8,283,511		$59.21
		2	Contingency Transfer & Disposal Cost			151,539		$171.34	16		25,964,738		
		3	Metro R&WC Handling Cost			151,539		$4.55	17		689,504		
				Total Contingency Disposal Cost							$ 34,937,753		
				Contingency, Total Cost /Tonne		151,539					**$230.55**		
								Ref. No. to Backup Data					

Metro Solid Waste Services,

2023 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

	A	**Vancouver Landfill (VLF, Burns Bog)**				Tonnes		$ / tonne			$ Total		
		1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)			411,890		$68.03			$ 28,019,589		Metro Trsf. excl. Direct Haul
		2	Vancouver Landfill Transfer Cost			411,890		$17.45			7,187,483		Metro Trsf. excl. Direct Haul
		3	Vancouver Landfill Disposal Cost										
			Landfill Total Operating Cost, net					$40.94					
			Metro Total Delta Royalty					s.17, s.21					
			Metro Landfill Program Administration Labour Expense Allocation 77% * $250,855										
			Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne					$10.00					
				Total Metro Garbage-Only Waste, Direct Haul + Transfer		511,811		$60.35			30,886,491		
											$ 66,093,563		
				Vancouver Landfill. Total Cost /Tonne		511,811					**$129.14**		
	B	**Burnaby Waste to Energy (WTEF)**				Tonnes		$ / tonne			$ Total		
		1	Metro R&WC Operating Cost to WTEF Transfer			82,597		$68.03			$ 5,618,800		
		2	Metro R&WC Transfer Cost to WTEF Transfer			82,597		$12.47			1,029,578		(avg Rate to outbound flows)
		3	WTEF Operating Cost, net Electrcity, Metal Rev.			236,278		$87.86			20,758,674		
		4	WTEF Annual Debt Expenditure			236,278		$4.32			1,021,203		
			(total SW Services Debt Cost $10,544,859 , 9.7% WTEF)										
											$ 28,428,254		

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	Waste-to-Energy. Total Cost /Tonne	236,278		**$120.32**	
C	**Contingency Out-of-Region Alternative**	Tonnes	$ / tonne	$ Total	
1	Metro R&WC Operating Cost (incl. Admin)	100,584	$68.03	$ 6,842,425	
2	Contingency Transfer & Disposal Cost	100,584	$170.45	17,144,090	
3	R&WC Handling Cost	100,584	$4.36	438,547	
4	Metro Labour Expense Allocation	100,584	$6.48	652,279	
				$ 25,077,341	Total Disposal Cost
					Garbage-Only Outbound
	Contingency Disposal , Total Cost /Tonne	100,584		**$249.32**	

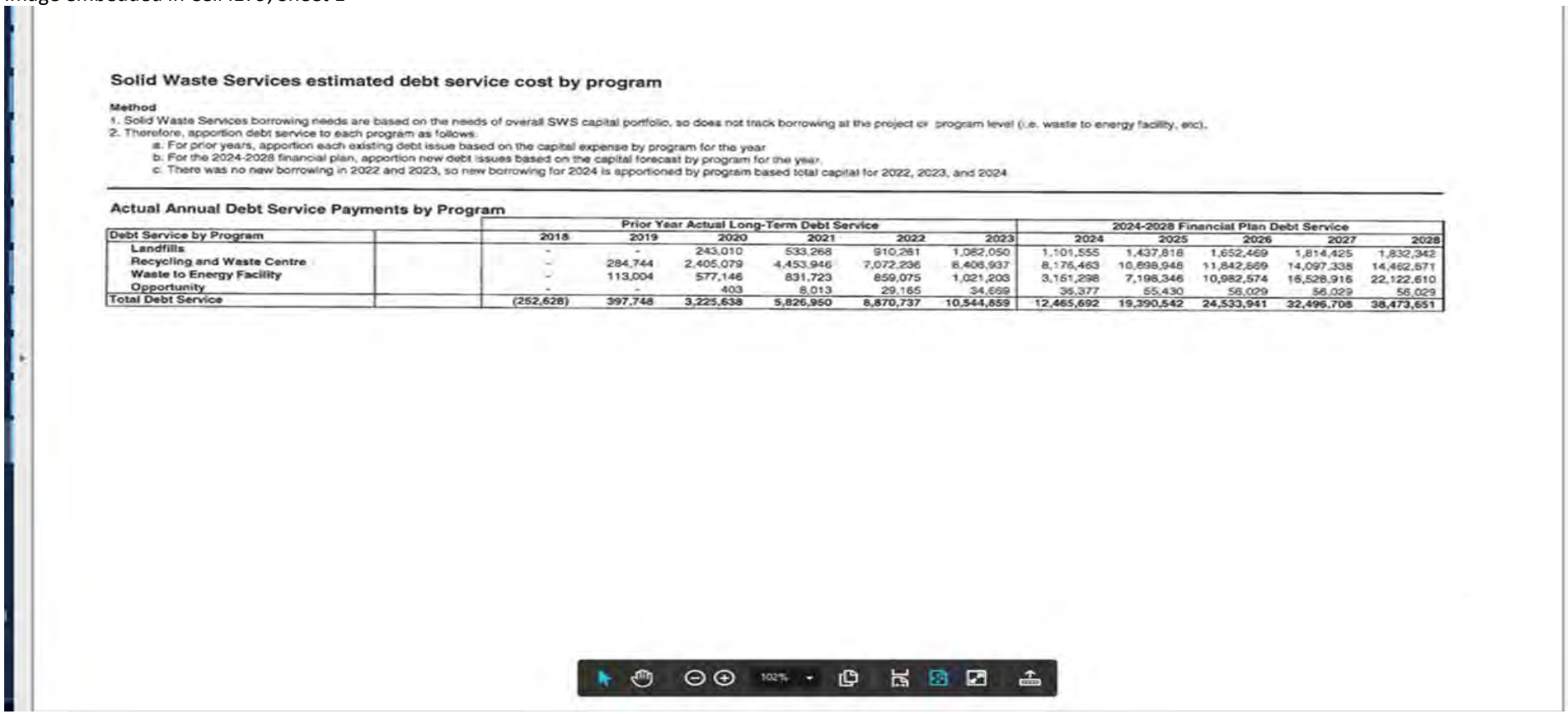
Metro Solid Waste Services,

2021 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

A	**Vancouver Landfill (VLF, Burns Bog)**	Tonnes	$ / tonne	$ Total	
1	Metro R&WC Operating Cost of VLF Transfer	482,872	45.53	$ 21,984,966	
2	Vancouver Landfill Transfer Cost	482,872	12.96	6,258,026	
	Landfill Total Operating Cost, net		36.47		
	Metro Total Delta Royalty		s.17, s.21		
	Metro Landfill Program Labour Expense Allocation				
	Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne		10.00		
3	Vancouver Landfill Disposal Cost	706,498	50.48	35,667,495	
				$ 63,910,486	
	Vancouver Landfill. Total Cost /Tonne	706,498		**$90.46**	
B	**Burnaby Waste to Energy (WTEF)**	Tonnes	$ / tonne	$ Total	
1	Metro R&WC Operating Cost of WTEF Transfer	110,822	45.53	$ 5,045,659	
2	WTEF Transfer Cost	110,822	9.48	1,050,930	
3	WTEF Disposal Cost, net	241,530	67.57	16,320,170	
4	WTEF Annual Debt Expenditure	241,530	2.41	582,695	
				$ 22,999,454	
	Waste-to-Energy. Total Cost /Tonne	241,530		**$95.22**	
C	**Contingency Out-of-Region Alternative**	Tonnes	$ / tonne	$ Total	
1	Metro R&WC Operating Cost of Contingency Transfer	63,974	45.53	$ 2,912,698	
2	Contingency Transfer & Disposal Cost	63,974	140.11	8,963,419	
3	Contingency Handling Cost	63,974	2.81	179,766	
4	Metro Labour Expense Allocation	63,974	0.96	61,415	
				$ 12,117,298	Ppd. by: SW Services, Operations 2/27/2026 2:36 PM

				Contingency Disposal , Total Cost /Tonne		63,974				**$189.41**				

Image embedded in Cell I179, Sheet 1



Solid Waste Services estimated debt service cost by program

Method

1. Solid Waste Services borrowing needs are based on the needs of overall SWS capital portfolio, so does not track borrowing at the project or program level (i.e. waste to energy facility, etc).
2. Therefore, apportion debt service to each program as follows:
   a. For prior years, apportion each existing debt issue based on the capital expense by program for the year
   b. For the 2024-2028 financial plan, apportion new debt issues based on the capital forecast by program for the year.
   c. There was no new borrowing in 2022 and 2023, so new borrowing for 2024 is apportioned by program based total capital for 2022, 2023, and 2024

Actual Annual Debt Service Payments by Program

		Prior Year Actual Long-Term Debt Service						2024-2028 Financial Plan Debt Service				
Debt Service by Program		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Landfills		-	-	243,010	533,268	910,261	1,082,050	1,101,555	1,437,818	1,652,469	1,814,425	1,832,342
Recycling and Waste Centre		-	284,744	2,405,079	4,453,946	7,072,236	8,406,937	8,176,463	10,698,948	11,842,669	14,097,338	14,462,671
Waste to Energy Facility		-	113,004	577,146	831,723	859,075	1,021,203	3,151,298	7,198,346	10,982,574	15,528,916	22,122,610
Opportunity		-	-	403	8,013	29,165	34,669	36,377	55,430	56,029	56,029	56,029
Total Debt Service		(252,628)	397,748	3,225,638	5,826,950	8,870,737	10,544,859	12,465,692	19,390,542	24,533,941	32,496,708	38,473,651

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Location	**Account**	**Account Description**				**Current Month**			
<acctcat2_desc>									
EXPENDITURES								Sundry	
	9998	Error to Suspense Inventory	-	0	(0)		(0)		
	Other Expenses		**-**	**0**	**(0)**		**(0)**		
-			-	**0**	**(0)**		**(0)**	REVENUES	
	8203	Contract Services	829,278	1,289,716	(460,438)		10,924,942		
	Consulting, Contracted and Professional S		**829,278**	**1,289,716**	**(460,438)**		**10,924,942**		
	8125	Insurance	9,236	4,060	5,176		105,666		
	Asset Purchase and Maintenance		**9,236**	**4,060**	**5,176**		**105,666**		
	8443	Materials and Supplies	-	-	-		-		
	Materials and Supplies		**-**	**-**	**-**		**-**		
	8701	Permits	-	-	-		9,722		
	8702	Municipal Utility - Water and Se	-	14,757	(14,757)		103,168		
	8704	Electricity	-	165	(165)		383		
	Utilities Permits and Taxes		**-**	**14,922**	**(14,922)**		**113,273**		
	8552	Bank Service Charges	8,337	23,730	(15,393)		148,771		
	Other Expenses		**8,337**	**23,730**	**(15,393)**		**148,771**		
4054-Solid Waste United Boulevard			**846,851**	**1,332,428**	**(485,577)**		**11,292,652**	**(523,410)**	**10,769,243**
	8203	Contract Services	179,168	261,084	(81,916)		1,597,591		
	Consulting, Contracted and Professional S		**179,168**	**261,084**	**(81,916)**		**1,597,591**		
	8125	Insurance	363	206	157		5,352		
	Asset Purchase and Maintenance		**363**	**206**	**157**		**5,352**		
	8552	Bank Service Charges	2,500	4,921	(2,421)		32,720		
	Other Expenses		**2,500**	**4,921**	**(2,421)**		**32,720**		
4056-Solid Waste Langley			**182,031**	**266,211**	**(84,180)**		**1,635,663**	**(166,024)**	**1,469,639**
	8203	Contract Services	185,650	250,606	(64,956)		1,715,316		

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			Budget	Actuals	Variance	View				
Location	Account	Account Description				Current Month				
	Consulting, Contracted and Professional S		**185,650**	**250,606**	**(64,956)**		**1,715,316**			
	8125	Insurance	1,321	579	742		15,059			
	Asset Purchase and Maintenance		**1,321**	**579**	**742**		**15,059**			
	8706	Property Taxes	-	-	-		699			
	Utilities Permits and Taxes		**-**	**-**	**-**		**699**			
	8552	Bank Service Charges	2,913	6,574	(3,661)		41,194			
	Other Expenses		**2,913**	**6,574**	**(3,661)**		**41,194**			
4057-Solid Waste Maple Ridge			**189,884**	**257,758**	**(67,874)**		**1,772,268**	(5,063)	**1,767,205**	
	8201	Legal	-	-	-		16,765			
	8203	Contract Services	6,000	754	5,246		8,148			
	Consulting, Contracted and Professional S		**6,000**	**754**	**5,246**		**24,913**			
	8443	Materials and Supplies	-	-	-		15			
	Materials and Supplies		**-**	**-**	**-**		**15**			
	8704	Electricity	-	72	(72)		320			
	8706	Property Taxes	-	-	-		210			
	Utilities Permits and Taxes		**-**	**72**	**(72)**		**531**			
4058-Solid Waste Matsqui			**6,000**	**825**	**5,175**		**25,459**	-	**25,459**	
	8203	Contract Services	1,031,021	2,224,208	(1,193,187)		15,170,612			
	Consulting, Contracted and Professional S		**1,031,021**	**2,224,208**	**(1,193,187)**		**15,170,612**			
	8125	Insurance	2,290	1,007	1,283		26,207			
	Asset Purchase and Maintenance		**2,290**	**1,007**	**1,283**		**26,207**			
	8703	Natural Gas	-	67	(67)		765			
	8706	Property Taxes	-	-	-		3,811			
	Utilities Permits and Taxes		**-**	**67**	**(67)**		**4,577**			
	8547	Land and Building Lease Renta	18,161	-	18,161		-			
	8552	Bank Service Charges	9,163	21,452	(12,289)		140,637			
	8580	Site Security	-	6	(6)		1,020			
	Other Expenses		**27,324**	**21,459**	**5,865**		**141,658**			
4060-Solid Waste North Shore			**1,060,635**	**2,246,740**	**(1,186,105)**		**15,343,054**	(961,470)	**14,381,584**	
	8203	Contract Services	707,533	354,050	353,483		9,938,295			
	Consulting, Contracted and Professional S		**707,533**	**354,050**	**353,483**		**9,938,295**			
	8125	Insurance	7,128	3,135	3,993		81,583			
	Asset Purchase and Maintenance		**7,128**	**3,135**	**3,993**		**81,583**			

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			Budget	Actuals	Variance	View				
Location	Account	Account Description				Current Month				
	8469	Inventory Waste	-	359	(359)		359			
	Materials and Supplies		**-**	**359**	**(359)**		**359**			
	8706	Property Taxes	-	-	-		540			
	Utilities Permits and Taxes		**-**	**-**	**-**		**540**			
	8546	Other Services	-	-	-		326			
	8552	Bank Service Charges	9,295	16,732	(7,437)		118,215			
	Other Expenses		**9,295**	**16,732**	**(7,437)**		**118,541**			
4062-Solid Waste North Surrey			**723,956**	**374,276**	**349,680**		**10,139,319**	**(204,885)**	**9,934,434**	
	8203	Contract Services	287,186	1,952,838	(1,665,652)		3,745,022			
	8221	Appraisal Costs	-	-	-		-			
	Consulting, Contracted and Professional S		**287,186**	**1,952,838**	**(1,665,652)**		**3,745,022**			
4063-Solid Waste Vancouver			**287,186**	**1,952,838**	**(1,665,652)**		**3,745,022**			
	8203	Contract Services	317,590	429,367	(111,777)		3,559,674			
	Consulting, Contracted and Professional S		**317,590**	**429,367**	**(111,777)**		**3,559,674**			
	8125	Insurance	2,913	-	2,913		-			
	Asset Purchase and Maintenance		**2,913**	**-**	**2,913**		**-**			
	8552	Bank Service Charges	2,500	5,912	(3,412)		32,917			
	Other Expenses		**2,500**	**5,912**	**(3,412)**		**32,917**			
4065-Solid Waste Central Surrey			**323,003**	**435,279**	**(112,276)**		**3,592,591**	**(133,647)**	**3,458,944**	
	8203	Contract Services	-	12,622	(12,622)		48,398			
	Consulting, Contracted and Professional S		**-**	**12,622**	**(12,622)**		**48,398**			
	8443	Materials and Supplies	-	606	(606)		606			
	Materials and Supplies		**-**	**606**	**(606)**		**606**			
	8546	Other Services	-	-	-		4,608			
	8552	Bank Service Charges	-	37	(37)		819			
	Other Expenses		**-**	**37**	**(37)**		**5,427**			
9999-Not Applicable / General			**-**	**13,265**	**(13,265)**		**54,430**	**(614)**	**53,816**	
	Total Expenditures		**3,619,546**	**6,879,620**	**(3,260,074)**		**47,600,458**	**(1,995,113)**	**41,860,323**	
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Less:	**4063-Solid Waste Vancouver**						**(3,745,022)**			

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Location	Account	Account Description				Current Month			
						Net R&WC 2024 Total Expenditure	43,855,436		
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REVENUES									
	7100	User Fees	1,176,652	(11,037,399)	(12,214,051)		13,217,780		
	7105	Generator Levy	962,424	16,860,558	15,898,134		16,860,558		
	User fees recoveries and other		**2,139,076**	**5,823,159**	**3,684,083**		**30,078,337**		
	7500	Sundry	62,562	141,408	78,846		498,410		
	7651	Commercial Rentals, Land and	-	25,000	25,000		25,000		
	Other External Revenue		**62,562**	**166,408**	**103,846**		**523,410**		
	7403	Surplus or Deficit to Next Year	(16,257,345)	-	16,257,345		-		
	Other Funds Reserves Surplus		**(16,257,345)**	**-**	**16,257,345**		**-**		
4054-Solid Waste United Boulevard			**(14,055,707)**	**5,989,567**	**20,045,274**		**30,601,747**		
	7100	User Fees	106,135	(335,304)	(441,439)		1,500,430		
	7105	Generator Levy	34,553	474,314	439,761		474,314		
	User fees recoveries and other		**140,688**	**139,010**	**(1,678)**		**1,974,744**		
	7500	Sundry	9,638	20,049	10,411		166,024		
	Other External Revenue		**9,638**	**20,049**	**10,411**		**166,024**		
	7403	Surplus or Deficit to Next Year	380,482	-	(380,482)		-		
	Other Funds Reserves Surplus		**380,482**	**-**	**(380,482)**		**-**		
4056-Solid Waste Langley			**530,808**	**159,058**	**(371,750)**		**2,140,768**		
	7100	User Fees	145,866	(401,788)	(547,654)		2,081,947		
	7105	Generator Levy	49,353	591,006	541,653		591,006		
	User fees recoveries and other		**195,219**	**189,217**	**(6,002)**		**2,672,953**		
	7651	Commercial Rentals, Land and	4,235	5,063	828		5,063		
	Other External Revenue		**4,235**	**5,063**	**828**		**5,063**		
	7403	Surplus or Deficit to Next Year	(114,884)	-	114,884		-		
	Other Funds Reserves Surplus		**(114,884)**	**-**	**114,884**		**-**		
4057-Solid Waste Maple Ridge			**84,570**	**194,280**	**109,710**		**2,678,016**		
	7100	User Fees	-	-	-		(2,333)		
	User fees recoveries and other		**-**	**-**	**-**		**(2,333)**		
	7403	Surplus or Deficit to Next Year	72,000	-	(72,000)		-		

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			Budget	Actuals	Variance	View			
Location	Account	Account Description				Current Month			
	Other Funds Reserves Surplus		72,000	-	(72,000)		-		
4058-Solid Waste Matsqui			72,000	-	(72,000)		(2,333)		
	7100	User Fees	1,119,249	(4,351,636)	(5,470,885)		12,734,404		
	7105	Generator Levy	592,260	7,862,257	7,269,997		7,862,257		
	User fees recoveries and other		1,711,509	3,510,621	1,799,112		20,596,662		
	7500	Sundry	60,003	160,587	100,584		945,470		
	7651	Commercial Rentals, Land and	-	-	-		16,000		
	Other External Revenue		60,003	160,587	100,584		961,470		
	7403	Surplus or Deficit to Next Year	(8,530,414)	-	8,530,414		-		
	Other Funds Reserves Surplus		(8,530,414)	-	8,530,414		-		
4060-Solid Waste North Shore			(6,758,902)	3,671,209	10,430,111		21,558,132		
	7100	User Fees	1,295,937	(10,057,666)	(11,353,603)		12,764,503		
	7105	Generator Levy	1,135,166	14,960,283	13,825,117		14,960,283		
	User fees recoveries and other		2,431,103	4,902,618	2,471,515		27,724,786		
	7500	Sundry	17,337	42,519	25,182		151,552		
	7651	Commercial Rentals, Land and	413	2,500	2,087		53,333		
	Other External Revenue		17,750	45,019	27,269		204,885		
	7403	Surplus or Deficit to Next Year	(20,698,533)	-	20,698,533		-		
	Other Funds Reserves Surplus		(20,698,533)	-	20,698,533		-		
4062-Solid Waste North Surrey			(18,249,680)	4,947,637	23,197,317		27,929,671		
	7100	User Fees	455,557	1,520,512	1,064,955		5,906,452		
	User fees recoveries and other		455,557	1,520,512	1,064,955		5,906,452		
	7500	Sundry	-	-	-		-		
	Other External Revenue		-	-	-		-		
	7403	Surplus or Deficit to Next Year	(2,020,397)	-	2,020,397		-		
	Other Funds Reserves Surplus		(2,020,397)	-	2,020,397		-		
4063-Solid Waste Vancouver			(1,564,840)	1,520,512	3,085,352		5,906,452		
	7100	User Fees	281,702	(422,808)	(704,510)		1,740,028		
	7105	Generator Levy	123,388	623,602	500,214		623,602		
	User fees recoveries and other		405,090	200,794	(204,296)		2,363,630		
	7500	Sundry	23,288	44,247	20,959		133,647		
	Other External Revenue		23,288	44,247	20,959		133,647		
	7403	Surplus or Deficit to Next Year	(1,264,533)	-	1,264,533		-		

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			Budget	**Actuals**	**Variance**	**View**			
Location	**Account**	**Account Description**				**Current Month**			
	Other Funds Reserves Surplus		**(1,264,533)**	**-**	**1,264,533**		**-**		
4065-Solid Waste Central Surrey			**(836,155)**	**245,041**	**1,081,196**		**2,497,276**		
	7100	User Fees	-	(4,118,742)	(4,118,742)		22,849,244		
	User fees recoveries and other		**-**	**(4,118,742)**	**(4,118,742)**		**22,849,244**		
	7500	Sundry	-	23	23		614		
	Other External Revenue		**-**	**23**	**23**		**614**		
	7400	Contribution from Reserve	-	5,326,757	5,326,757		5,326,757		
	Other Funds Reserves Surplus		**-**	**5,326,757**	**5,326,757**		**5,326,757**		
9999-Not Applicable / General			**-**	**1,208,038**	**1,208,038**		**28,176,615**		
	Total Revenues		**(40,777,906)**	**17,935,341**	**58,713,247**		**121,486,344**		
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Date Run: 08/18/2025									

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Metro Vancouver							
Program Report - Actuals by Business Unit							
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Solid Waste-Transfer Station System							
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6340							
As of: Dec 31, 2024							
	<repdate>						
	Account	**YTD Actuals**		**SA06340 Solid Waste Transfer Station System Administration**	**SA06341 Solid Waste Transfer Station System**	**SA06342 Solid Waste Transfer Station System Dedicated Recycling**	**SA06343 Solid Waste Transfer Station System Maintenance**
EXPENDITURES							
Labour Costs	8600	2,641,031		2,641,031	-	-	-
Labour Premium Time	8601	29,132		29,132	-	-	-
Temporary Help	8621	1,493		1,493	-	-	-
Salaries and Benefits		2,671,655		2,671,655	-	-	-
Consultants General	8150	351,015		351,015	-	-	-
Accounting and Audit	8200	-		-	-	-	-
Legal	8201	57,712		40,947	16,765	-	-
Contract Services	8203	48,735,083		2,026,823	46,707,999	262	-
Appraisal Costs	8221	-		-	-	-	-
Consulting, Contracted and Professional Services		49,143,809		2,418,784	46,724,763	262	-
Furniture Fixture Equipment Purchases	8061	-		-	-	-	-
Computer Equipment Purchases	8062	57		57	-	-	-
Software Product Purchases	8063	-		-	-	-	-
Software License Purchase Renewal	8064	1,459		1,459	-	-	-
Equipment Replacement Provision	8071	-		-	-	-	-
Insurance	8125	270,838		36,971	233,867	-	-
Asset Purchase and Maintenance		272,354		38,487	233,867	-	-
Postage And Courier	8440	-		-	-	-	-

Program Report - Actuals by Business Unit						
<program_desc>						
Solid Waste-Transfer Station System						
<program>						
6340						
As of: Dec 31, 2024						
	<repdate>					
	Account	**YTD Actuals**	**SA06340 Solid Waste Transfer Station System Administration**	**SA06341 Solid Waste Transfer Station System**	**SA06342 Solid Waste Transfer Station System Dedicated Recycling**	**SA06343 Solid Waste Transfer Station System Maintenance**
Materials and Supplies	8443	8,621	8,000	621	-	-
Uniforms	8445	265	265	-	-	-
Safety Equipment Supplies	8451	1,158	1,158	-	-	-
Inventory Waste	8469	359	-	359	-	-
Materials and Supplies		10,403	9,423	980	-	-
Permits	8701	9,722	-	9,722	-	-
Municipal Utility - Water and Sewer	8702	103,168	-	103,168	-	-
Natural Gas	8703	765	-	765	-	-
Electricity	8704	704	-	704	-	-
Property Taxes	8706	5,260	-	5,260	-	-
Telephone	8731	8,893	8,893	-	-	-
Utilities Permits and Taxes		128,513	8,893	119,620	-	-
		-	-	-	-	-
Corporate Services		-	-	-	-	-
Maintenance Allocation	8430	-	-	-	-	-
Services Provided Internally		-	-	-	-	-
		-	-	-	-	-
Contribution to Reserve Funds		-	-	-	-	-
Employee Milestone and Recognition	8500	312	312	-	-	-
Travel / Training / Conferences	8504	12,722	12,722	-	-	-
Membership Fees	8505	7,493	7,493	-	-	-
Mileage Parking Transit	8508	2,708	2,708	-	-	-
Air Travel	8509	1,524	1,524	-	-	-
Vehicle Allocation	8542	20,555	20,555	-	-	-
Other Services	8546	862,537	857,603	4,935	-	-
Land and Building Lease Rental	8547	-	-	-	-	-
Other Rental	8548	-	-	-	-	-
Bank Service Charges	8552	516,060	787	515,273	-	-
Catering	8559	9,426	9,426	-	-	-
Advertising	8570	-	-	-	-	-
Provision For Doubtful Account	8575	-	-	-	-	-
Site Security	8580	1,020	-	1,020	-	-

Program Report - Actuals by Business Unit						
<program_desc>						
Solid Waste-Transfer Station System						
<program>						
6340						
As of: Dec 31, 2024						
	<repdate>					
	Account	YTD Actuals	SA06340 Solid Waste Transfer Station System Administration	SA06341 Solid Waste Transfer Station System	SA06342 Solid Waste Transfer Station System Dedicated Recycling	SA06343 Solid Waste Transfer Station System Maintenance
Return to Work Expenses	8595	182	182	-	-	-
Error to Suspense Inventory	9998	(0)	-	(0)	-	-
Other Expenses		1,434,540	913,311	521,228	-	-
		-	-	-	-	-
Capital Budgets		-	-	-	-	-
Subtotal Expenditures		53,661,274	6,060,554	47,600,458	262	-
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Subtotal Expenditures		$sum	$sum	$sum	$sum	$sum
Debt Charges		-	-	-	-	-
Total Expenditures		53,661,274	6,060,554	47,600,458	262	-
REVENUES						
		-	-	-	-	-
Allocated to Functional Depts		-	-	-	-	-
		-	-	-	-	-
Transfer from Capital		-	-	-	-	-
		-	-	-	-	-
GVRD Municipal Levy		-	-	-	-	-
		-	-	-	-	-
GVS and DD Levy		-	-	-	-	-
		-	-	-	-	-
Electoral Areas Levy		-	-	-	-	-
User Fees	7100	72,792,455	-	72,792,455	-	-
Generator Levy	7105	41,372,019	-	41,372,019	-	-
User fees recoveries and other		114,164,474	-	114,164,474	-	-
		-	-	-	-	-
Water Sales Revenue		-	-	-	-	-
		-	-	-	-	-
Transfer from DCC Reserves		-	-	-	-	-

Program Report - Actuals by Business Unit						
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Solid Waste-Transfer Station System						
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As of: Dec 31, 2024						
	<repdate>					
	Account	**YTD Actuals**	**SA06340 Solid Waste Transfer Station System Administration**	**SA06341 Solid Waste Transfer Station System**	**SA06342 Solid Waste Transfer Station System Dedicated Recycling**	**SA06343 Solid Waste Transfer Station System Maintenance**
		-	-	-	-	-
BOD/TSS Industrial Charges		-	-	-	-	-
Sundry	7500	2,865,872	961,860	1,895,716	8,296	-
Commercial Rentals, Land and Building Lease	7651	99,396	-	99,396	-	-
Other External Revenue		2,965,269	961,860	1,995,113	8,296	-
Contribution from Reserve	7400	5,326,757	-	5,326,757	-	-
Surplus or Deficit to Next Year	7403	-	-	-	-	-
Other Funds Reserves Surplus		5,326,757	-	5,326,757	-	-
Total Revenues		122,456,501	961,860	121,486,344	8,296	-
<acc_rep>		$sum	$sum	$sum	$sum	$sum
Total Revenues		$sum	$sum	$sum	$sum	$sum
Date Run: 08/18/2025			5,098,694			
			net			

Metro SW Services, Operations

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

1 WASTE FLOWS (tonnes)

						Total Tonnes		Garbage-Only Tonnes	Resource Recovery Tonnes	
A	**INBOUND Regional Direct Haul**									
	1	Metro Recycling & Waste Centre								
			United Blvd,			270,156.097		263,386.613	6,769.484	
			Langley			10,619.070		7,411.175	3,207.895	
			Maple Ridge			11,958.798		9,234.463	2,724.335	
			North Shore			167,098.207		122,856.128	44,242.079	
			Central Surrey			11,919.785		10,072.299	1,847.486	
			North Surrey			239,247.660		235,044.335	4,203.325	
		Metro Recycling & Waste Centres			Direct Haul	710,999.617		648,005.013	62,994.604	
										total Metro Garbage-Only
	2	Metro to WTEF Garbage Only			Direct Haul	140,704.846		140,704.846		788,709.859
	3	Other to WTEF incl Special Waste			Direct Haul	18,268.293		18,268.293		
						158,973.139		158,973.139		
						869,972.756		806,978.152		
	4	Metro to VSTS to VLF Garbage Only			Direct Haul	42,701.830		42,701.830		total VLF/VSTS Garbage-Only
	5	Metro to VLF Garbage Only			Direct Haul	61,133.590		61,133.590		260,532.10
								103,835.420		
			Total Metro Waste tonnes			973,808.176		910,813.572	62,994.604	
	6	Vancouver/Delta (VSTS) Garbage Only			Direct Haul	97,311.719		97,311.719		total Garbage-Only
		Vancouver/Delta (VLF) Garbage Only				59,384.960		59,384.960		1,049,241.96
	7	VLF Other (btm ash, Demo, Residuals,			Direct Haul	67,005.671		67,005.671		
			Total Regional Waste Tonnes Direct Haul			1,197,510.526		1,134,515.922	62,994.604	
B	**OUTBOUND DISPOSAL SITE - METRO Garbage-Only**									
	1	Vancouver Landfill (VLF)								
			Metro - Direct Haul + VSTS					42,701.830		
			Metro - VLF Direct Haul					61,133.590		
			Metro VLF Transfer, Garbage Only				1	405,659.626		
								466,793.216		
					Total Metro Garbage-Only Waste, Direct Haul VSTS/VLF + VLF Transfer		7	509,495.046		
			Delta/Van - Direct Haul VLF + VSTS					156,696.679		
					Total VLF Garbage Only			666,191.725		
			VLF Other (Btm ash, Demo, Residuals,					67,005.671		
						Total VLF		733,197.396		
	2	Waste to Energy Facility								
			Direct Haul Garbage Only		R&WC Transfer			140,704.846		
			Metro Recycling & Waste Centre (R&WC) Transfer				8	84,195.767		
								224,900.613		
			Direct Haul Other incl Special Waste					18,268.293		
						Total WTEF	10	243,168.906		
	3	Hauling to Contingency Cost		Metro R&WC	To			Tonnes		
					CAMP			80,718.506		
					SEAIY			12,246.371		

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						SUNRLF				58,574.391			
	4	Alternate Site (Contingency)				R&WC Transfer		Total Contingency	15	**151,539.268**			
	5	Net Inbound Year-end Inventory						In-Out Balance Entry - No Disposal		6,610.353			
								Total Metro Disposal Tonnes		1,134,515.923			

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

2 Metro COST $/Tonne

	1	Hauling to WTEF - Garbage Cost				Rate/t		Avg Rate/t		Hauling Cost $		Total Tonnes	
			United Blvd,			s.17, s.21				s.17, s.21		42,972	
			North Shore									10,837	
			Central Surrey										
			North Surrey									30,330	
			Scale recon outboud site to inbound disposal									-	
			WTEF Transfer Cost/t - Average					$14.19	9	1,193,880		84,139	
												(56.6300)	in out site/ WTEF scale var.
	2	Hauling to VLF - Garbage Cost				Rate/t		Avg Rate/t		Hauling Cost $		Total Tonnes	
			Recycling & Waste Reduction Centre										
			United Blvd,			s.17, s.21				s.17, s.21		133,898	
			Langley									6,827	
			Maple Ridge									8,804	
			North Shore									98,921	
			Central Surrey									10,054	
			North Surrey									147,154	
			VLF Transfer Cost /t Average Rate					$19.18	3	7,778,868		405,660	
	3	Hauling Contingency Cost			From	To		Tonnes					
					United Blvd.			84,113.62		$ 382,716.96			
					N. Surrey			57,042.82		$ 259,544.81			
					N. Shore			10,382.84		$ 47,241.90			
			Contingency Total Handling Cost R&WC Cost /T			$4.55	17	151,539.27		$ 689,503.67		689,504	
	4	Metro Landfill Program Administration Labour Expense Allocation											
			LF Program - VLF Burns Bog Disposal Share		62.5%	$277,997			6	$ 173,617			
			SA06361 SW Landfills Prgrm. ($37,012,103/$59,264,005)										
	5	Metro - Delta Royalty Cost - Garbage-Only Waste to VLF										Tonnes	
			Sec 6.2	Western Royalty		s.17, s.21				s.17, s.21		100,577	
			Sec 6.3	Eastern Royalty (exlc Btm Ash)								454,822	
				Total Delta Royalty Cost/t				$4.80	5	$ 2,666,147		555,400	
								avg.rate					
	6	Metro Annual VLF Closure/Post Closure Reserve Allocation											
				NPV Estimate per Annual Disposal Cost/t				**$10.00**		$ 5,553,998		555,400	

2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

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3 Regional FACILITY COST $/Tonne

		Facility $ Rate per Tonne		Net Actual Expenditures	Total Facility Tonnes
A	**Vancouver Landfill (Burns Bog)**				
	Operating Expenditure, net				
	CC 35600 VLF Operations, net Recovery			$ 28,964,182	
	CC 35605 VLF Gas Control			4,956,019	
	CC 35610 Weighscales 50%			214,379	
	CC 35150, CC 35151, Solid Waste Management (48.08%)			(46,274)	
	Facility Cost/Tonne	**$49.24**	4	$ 34,088,307	692,357
B	**Metro Recycling & Waste Reduction Centres (R&WC)**				
	Total Operating Expense (Excl. VSTS exp), net Sundry Revenue			$ 47,600,458	
	Less: net Sundry Revenue			(1,995,113)	
	Less: **Metro R&WC - Contingency Hdlg. Costs, WTEF/VLF Trsf. Costs**			(9,662,252)	
	Metro R&WC Operating Costs , net	$50.55		$ 35,943,093	
	SA06340 Solid Waste Transfer Station System Administration — Total Expenditures			$ 6,060,554	
	7500 **Sundry Revenue**			$ (961,860)	
	Net Admin	$7.17	18	$ 5,098,694	
	SW Services Annual Debt Expenditure Allocation				
	R&WC Debt Share 65.6% — $ 10,637,452 (2024 Actual Debt Service)	$9.81		$ 6,977,339	
	R&WC shr Budget 24 (8,176,463/12,465,602)				
	R&WC 's Total Operating Cost/Tonne, average	**$67.54**	2	$ 48,019,126	711,000
C	**Vancouver South TS (VSTS)**				
	Operating Expenditure,				
	CC 35500 VSTS Operations, including Transfer Costs to VLF			$ 14,819,466	
	CC 35610 Weighscales 50%			214,379	
	CC 35150, CC 35151, Solid Waste Management (10.58%)			(10,183)	
	Facility Cost/Tonne	**$107.30**		$ 15,023,663	140,014
D	**Burnaby Waste to Energy (WTEF)**				
1	Operating Expense, Net				
a	SA06320-Solid Waste Waste to Energy Facility Regional Waste Incineration			$ 30,432,853	
	SA06321-Solid Waste Waste to Energy Facility Administration			494,971	
	Total Expenditure			$ 30,927,824	
b	Revenue Recovery				
	7790 Electrical Energy Sales			(3,649,146)	
	7500 Ferrous + Non-Ferrous Sales			(291,477)	
	7100 User Fees - Special Handled Waste (SHW) Increment				
	SHW Tonnes * Increment ($295 SHW -$153 Reg Wste.) — 11,410.863	$142.00		(1,620,343)	
	Total Revenue Recovery			(5,560,966)	

Row Labels	Load	KG	rate
Add/Remove Offence	100	0	
Bar screenings	301	908,480	Regular waste
Garbage	27,746	132,023,766	Regular waste
Inbound WTEF XOB Transfer Garbage	3,030	84,195,765	Regular waste
International Airline Waste	596	3,079,670	SHW
International Marine Waste	1,573	5,881,448	SHW

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Municipal Garbage	2,813	8,681,080	Regular Waste
Noxious Weed (Muni Rate)	1	430	Regular Waste
Out of Region Special Handle Waste	7	37,180	SHW
Pharmaceuticals	1	5,210	SHW
Pocket Coil Mattresses	7	26,800	Discounted rate
Police Loads	95	98,360	SHW
Sludge Screenings	734	5,921,260	Regular Waste
Special Handling Waste	631	2,308,995	SHW
Toxic & Noxious Weeds	1	460	Regular waste
Grand Total	37,636	243,168,904	

				Total		11,410.863	SHW				
					Net Operating Cost		$104.32	11	$	25,366,858	
2	Generator Repair										
	a	SA06356 - Total Solid Waste Waste to Energy Generator Repair Cost					$16.21	12		3,940,867	
		Turbine Insurance Claims - Business Interruption and Property									
		7500	Business Interruption for SWS turbine							(5,015,317)	
		7500	Property Insurance for SWS turbine							(2,902,474)	
					Total Turbine Insurance Claims		($32.56)	9	$	(7,917,791)	
					Net Generator Repair		($16.35)		$	(3,976,924)	
3	SW Services Annual Debt Expenditure Allocation										
			WTEF Debt Share	25.3%	$	10,637,452	$11.06	14	$	2,689,123	
			WTEF shr Budget 24 (3,151,298/12,465,602)		2024 Actual Debt Service						
	Burnaby WTEF Facility Cost/Tonne						**$99.02**		$	24,079,057	10 243,169
E	Contingency Hauling & Disposal - Unit Cost Blended Rate										
							Loads		Per Brent K.		
	GFL								s.17, s.21		
	Republic	(REPGRN)	2023 Total Costs w/radiation; w/WA State Tax (Cdn)								
	Waste Mgmt.	(WMCOWD)									
									Blended Rate		
	Total Hauling/Disposal Cost/Tonne CND $							16	$171.34		

Metro Solid Waste Services,

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2024 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

		Tonnes		$ / Tonne		$ Total	
A.	**Vancouver Landfill (VLF, Burns Bog)**						
1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)	405,660	1	$67.54	2	$ 27,397,231	Metro Trsf. excl. Direct Haul
2	Metro R&WC Vancouver Landfill Transfer Cost, **Transfer Tonnes**	405,660		$19.18	3	7,780,552	Metro Trsf. excl. Direct Haul
3	Vancouver Landfill Disposal Cost						
	Landfill Total Operating Cost, net			$49.24	4		
	Metro Total Delta Royalty - Blended Rate			s.17, s.21	5		
	Landfill Program Administration Labour Expense Allocation 62.45% * $277,997				6		
	Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne, Estimate			$15.00			
	Total Metro Garbage-Only Waste, **VLF Direct Haul + Transfer tonnes**	509,495	7	$69.38		35,349,364	
						$ 70,527,146	
	Vancouver Landfill, Total Cost /Tonne	509,495				**$138.43**	
B.	**Burnaby Waste to Energy (WTEF)**	Tonnes		$ / Tonne		$ Total	
1	Metro R&WC Operating Cost to WTEF Transfer Tonnes	84,196	8	$67.54	2	$ 5,686,370	
2	Metro R&WC Transfer Cost to WTEF Transfer Tonnes	84,196		$14.19	9	1,194,684	(avg Rate to outbound flows)
3	WTEF Operating Cost, Net						Ppd. by: SW Services, Operations 2/27/2026 2:34 PM

			a	Operating Cost							30,432,853		
			b	Administration Cost							494,971		
				Total Cost							30,927,824		
			c	Revenue - Electricity Sales							(3,649,146)		
			d	Revenue - Metal Sales, Ferrous and Non-ferrous							(291,477)		
			e	Revenue - Special Handled Waste Tipping Fee Increment							(1,620,343)		
				Total Revenue							(5,560,966)		
				Total Burnaby WTEF Operating Cost, Net		243,169	10	$104.32	11		25,366,858		
			f	Generator Repair Cost		243,169		$16.21	12		3,940,867		
			g	Turbine Insurance Claim - Business Interruption							(5,015,317)		
			h	Turbine Insurance Claim - Property							(2,902,474)		
				Total Generator Repair Insurance Claims		243,169		($32.56)	13		(7,917,791)		
			i	Annual Debt Service Allocation'	25.3%	$ 10,637,452	14	$11.06			2,689,123		
				WTEF shr Budget 24 (3,151,298/12,465,602)									
				Total WTEF Operating , Net Cost/Tonne		243,169		$99.02			24,079,057		
		4	Total WTEF Disposal Cost								$ 30,960,112		
				Waste-to-Energy, Total Cost /Tonne		243,169					**$127.32**		
	C.	Contingency Out-of-Region Alternative				Tonnes		$ / Tonne			$ Total		
		1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)			151,539	15	$67.54	2		$ 10,234,581		
		2	Contingency Transfer & Disposal Cost			151,539		$171.34	16		25,964,738		
		3	Metro R&WC Handling Cost			151,539		$4.55	17		689,504		
				Total Contingency Disposal Cost							$ 36,888,823		
				Contingency, Total Cost /Tonne		151,539					**$243.43**		
								Ref. No. to Backup Data					

Metro Solid Waste Services,

2023 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

	A	**Vancouver Landfill (VLF, Burns Bog)**				Tonnes		$ / tonne			$ Total		
		1	Metro R&WC Operating Cost (incl. Admin, SW Service Debt Alloc 79.7%)			411,890		$68.03			$ 28,019,589	Metro Trsf. excl. Direct Haul	
		2	Vancouver Landfill Transfer Cost			411,890		$17.45			7,187,483	Metro Trsf. excl. Direct Haul	
		3	Vancouver Landfill Disposal Cost										
			Landfill Total Operating Cost, net					$40.94					
			Metro Total Delta Royalty					s.17, s.21					
			Metro Landfill Program Administration Labour Expense Allocation 77% * $250,855										
			Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne					$15.00					
			Total Metro Garbage-Only Waste, Direct Haul + Transfer			511,811		$60.35			30,886,491		
											$ 66,093,563		
			Vancouver Landfill. Total Cost /Tonne			511,811					**$129.14**		
	B	**Burnaby Waste to Energy (WTEF)**				Tonnes		$ / tonne			$ Total	Ppd. by: SW Services, Operations 2/27/2026 2:34 PM	

1	Metro R&WC Operating Cost to WTEF Transfer	82,597	$68.03	$ 5,618,800
2	Metro R&WC Transfer Cost to WTEF Transfer	82,597	$12.47	1,029,578 (avg Rate to outbound flows)
3	WTEF Operating Cost, net Electrcity, Metal Rev.	236,278	$87.86	20,758,674
4	WTEF Annual Debt Expenditure	236,278	$4.32	1,021,203
	(total SW Services Debt Cost $10,544,859 , 9.7% WTEF)			
				$ 28,428,254
	Waste-to-Energy. Total Cost /Tonne	236,278		**$120.32**

C	**Contingency Out-of-Region Alternative**	Tonnes	$ / tonne	$ Total
1	Metro R&WC Operating Cost (incl. Admin)	100,584	$68.03	$ 6,842,425
2	Contingency Transfer & Disposal Cost	100,584	$170.45	17,144,090
3	R&WC Handling Cost	100,584	$4.36	438,547
4	Metro Labour Expense Allocation	100,584	$6.48	652,279
				$ 25,077,341 Total Disposal Cost
				Garbage-Only Outbound
	Contingency Disposal , Total Cost /Tonne	100,584		**$249.32**

Metro Solid Waste Services,

2021 Summary of Annual Metro (Residential/IC&I) Garbage-Only Waste Disposal Options

A	**Vancouver Landfill (VLF, Burns Bog)**	Tonnes	$ / tonne	$ Total
1	Metro R&WC Operating Cost of VLF Transfer	482,872	45.53	$ 21,984,966
2	Vancouver Landfill Transfer Cost	482,872	12.96	6,258,026
	Landfill Total Operating Cost, net		36.47	
	Metro Total Delta Royalty		s.17, s.21	
	Metro Landfill Program Labour Expense Allocation			
	Metro VLF Closure Prov NPV Estimate per Metro Annual Disposal Tonne		10.00	
3	Vancouver Landfill Disposal Cost	706,498	50.48	35,667,495
				$ 63,910,486
	Vancouver Landfill. Total Cost /Tonne	706,498		**$90.46**

B	**Burnaby Waste to Energy (WTEF)**	Tonnes	$ / tonne	$ Total
1	Metro R&WC Operating Cost of WTEF Transfer	110,822	45.53	$ 5,045,659
2	WTEF Transfer Cost	110,822	9.48	1,050,930
3	WTEF Disposal Cost, net	241,530	67.57	16,320,170
4	WTEF Annual Debt Expenditure	241,530	2.41	582,695
				$ 22,999,454

Ppd. by: SW Services, Operations 2/27/2026 2:34 PM

				Waste-to-Energy. Total Cost /Tonne		241,530				**$95.22**					
	C	**Contingency Out-of-Region Alternative**				Tonnes		$ / tonne		$ Total					
		1	Metro R&WC Operating Cost of Contingency Transfer			63,974		45.53		$ 2,912,698					
		2	Contingency Transfer & Disposal Cost			63,974		140.11		8,963,419					
		3	Contingency Handling Cost			63,974		2.81		179,766					
		4	Metro Labour Expense Allocation			63,974		0.96		61,415					
										$ 12,117,298					
				Contingency Disposal , Total Cost /Tonne		63,974				**$189.41**					

Information in Cell I177

Solid Waste Services estimated debt service cost by program

Method

1. Solid Waste Services borrowing needs are based on the needs of overall SWS capital portfolio, so does not track borrowing at the project or program level (i.e. waste to energy facility, etc).
2. Therefore, apportion debt service to each program as follows:
   a. For prior years, apportion each existing debt issue based on the capital expense by program for the year.
   b. For the 2024-2028 financial plan, apportion new debt issues based on the capital forecast by program for the year.
   c. There was no new borrowing in 2022 and 2023, so new borrowing for 2024 is apportioned by program based total capital for 2022, 2023, and 2024.

Actual Annual Debt Service Payments by Program

		Prior Year Actual Long-Term Debt Service						2024-2028 Financial Plan Debt Service				
Debt Service by Program		**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**
Landfills		-	-	243,010	533,268	910,261	1,082,050	1,101,555	1,437,818	1,652,469	1,814,425	1,832,342
Recycling and Waste Centre		-	284,744	2,405,079	4,453,946	7,072,236	8,406,937	8,176,463	10,698,948	11,842,669	14,097,338	14,462,671
Waste to Energy Facility		-	113,004	577,146	831,723	859,075	1,021,203	3,151,298	7,198,346	10,982,574	16,528,916	22,122,610
Opportunity		-	-	403	8,013	29,165	34,669	36,377	55,430	56,029	56,029	56,029
Total Debt Service		**(252,628)**	**397,748**	**3,225,638**	**5,826,950**	**8,870,737**	**10,544,859**	**12,465,692**	**19,390,542**	**24,533,941**	**32,496,708**	**38,473,651**

WASTECH

Wastech Delegation to the April 2, 2026 ZWC Meeting
Executive Summary

The biggest financial risks in the SWMP are associated with infrastructure and disposal options — areas that require clear, option-level analysis of costs and risks before direction is set.

As drafted, the Plan provides assumptions, generic studies, and future technical criteria for decisions but not explicit diversion/disposal options with costs — effectively a "plan to plan" the most consequential elements.

Once approved, that direction becomes binding. To strengthen the Plan, we offer the following comments:

1) Definition of Diversion & Waste Combustion

Classifying any waste-derived fuel that offsets fossil fuels as "diversion" pre-judges' outcomes without comparing the embodied-carbon and energy savings from reuse and recycling.

2) EPR Expansion & Calorific Value

As EPR adds soft plastics, non-residential packaging, furniture, carpet, and textiles, many energy-dense materials leave the residual stream, reducing calorific value and eroding the economics for waste combustion.

3) Option Comparisons

Assigning transfer-station system costs to disposal options misstates the comparisons. Transfer stations are sunk, system-wide services established under the 1985/1995 SWMPs and are required regardless of disposal options.

4) Economies of Scale

Scale reduces unit costs. The plan makes no mention of this when comparing disposal options. With corrected analysis for sunk costs and economies of scale, WTE and contingency landfill are likely within ~20% on unit cost—and with the forecasted capital program, WTE may equal or exceed landfill costs.

We support Metro Vancouver's leadership on waste reduction and offer these comments constructively to assist the ZWC in making informed, affordable decisions for residents, industry partners, and member municipalities.

(250) 314-0252 | Wastech Services Inc. | 230 - 989 McGill Place, Kamloops, BC, V2C 6N9

Summary Presentation to the Greater Vancouver Sewage and Drainage District Board Meeting regarding the Draft Solid Waste Management Plan Update

Restaurants Fuel B.C.'s Economy

Restaurants are a vital engine of the Canadian economy and the communities they serve. Restaurants showcase our cultural diversity and give a unique identity to each community. Across the country, more than 23 million visits are made by Canadians to restaurants every day, driving $125B in national sales and more than $26B in federal, provincial and municipal taxes paid by restaurants and their employees.

Key economic facts about British Columbia's restaurant sector:

- $21.5B in sales in 2025.
- The industry purchases more than $7B in food and beverages every year.
- Directly employ nearly 190,000 people, including over 63,000 youth and generates an additional 46,000 indirect jobs in sectors including agriculture, transportation, wholesale and retail trade.
- For every $1 spent in the industry, an additional $2.25 in total economic output is generated, significantly higher than the $1.92 average across all industries.
- B.C. has the highest restaurant sales per capita in Canada at $3,777.
- **While B.C. operators have the highest annual per location sales in the country, B.C. restaurants rank sixth among the 10 provinces in profitability before income tax as a percentage of sales.**

Restaurant Industry Impact of the Draft Solid Waste Management Plan Update

80% of restaurant operators believe environmental sustainability is an important part of their success. However, Restaurants Canada has several concerns with potential impacts of the updated Solid Waste Management Plan on restaurants across all municipalities and is seeking to work with Metro Vancouver to increase solid waste diversion from landfills in a way that is realistic for restaurants.

Areas of concerns include:

- **Creating a fragmented policy environment** that does not account for complex operating environments, patchwork approach to implementation, interpretations and duplicative reporting requirements
- **Targets being considered** and set without implementation details
- Implications for restaurants related to **reusable food service ware** requirements and changes to **organic food waste** management.

Key areas of concern include:

Reusable food service ware requirements
Strategy 3.1.1. calls for advocating for the phase in of reusable food service ware requirements for non-residential sectors.

Advancing reusable dishware across Metro Vancouver would create a patchwork of municipal requirements that increases both operational complexity and costs for small businesses.

Such mandates require significant upfront investments (e.g. dishwashers, plumbing modifications, dishware procurement, and replacement costs due to loss or breakage). Restaurants operate under diverse business models, sizes, and service types, meaning a one-size-fits-all mandate does not reflect operational realities. In some restaurant formats, reuse is simply not logistically feasible, particularly where equipment investments have been made to utilize existing packaging that is provided through a global or national supply chain.

For businesses operating across multiple locations, inconsistent rules or varying definitions of reusable dishware across 21 municipalities make it difficult to maintain operational consistency. Importantly, mandating reusable dishware is not the only effective way to divert waste from landfill.

Restaurants Canada recommends that the solid waste management plan remove its advocacy for scaling up reusable dishware for dine-in service and instead work collaboratively with industry to identify alternative, practical waste-reduction solutions.

Food waste:

Restaurants Canada supports efforts to reduce food loss and waste in the foodservice sector - we are already doing this in several ways (e.g. optimizing sourcing ingredients and partnering with food rescue organizations). However, the plan to pilot and scale food waste prevention initiatives does not target the largest sources of food waste. It does not account for the significant difference between back-of-house (prep) waste, and front-of-house (guest) waste.

Restaurants' business models create built-in incentives to focus on food waste prevention in the areas they can control - during food preparation in back-of-house.

We recommend the solid waste management plan considers the realities of food loss and waste in restaurants before advocating for new initiative that layer in operational complexity and potential new costs for restaurants.

At a time when the industry is facing shrinking margins, additional costs make a difference in restaurant operators' ability to maintain jobs, hours and operations in the communities they serve.

About Restaurants Canada
Restaurants Canada is a national, not-for-profit association advancing Canada's diverse and dynamic foodservice industry. Restaurants are a $124 billion industry employing nearly 1.2 million Canadians and the number one source of first-time jobs in Canada. Based in Metro Vancouver, Cheryl Maitland Muir is our Vice President for Western Canada working on behalf of our members in B.C., Alberta and Saskatchewan. Visit restaurantscanada.org for more information.

1155 Queen Street West, Toronto, ON M6J 1J4 T: 416-923-8416 TF: 1-800-387-5649 F: 416-923-1450 E: members@restaurantscanada.org

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: Monday, April 20, 2026 4:12 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Submission - Evidentiary Basis and Policy Alignment- Draft SWMP

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Good afternoon,

Please find attached correspondence regarding the March 2026 draft Solid Waste Management Plan.

I request that this be circulated to the Metro Vancouver Board and included in the official record of the SWMP review process.

Sincerely,
Jamie Kaminski

Metro Vancouver Board and Zero Waste Committee,

Subject: Evidentiary Basis and Policy Alignment – Draft Solid Waste Management Plan

We acknowledge the significant effort undertaken to engage stakeholders in the development of the **March 2026 draft update** to the Solid Waste Management Plan. The engagement summaries reflect consistent feedback emphasizing the need for increased transparency, stronger regulatory tools, and a shift toward upstream waste reduction, reuse, and circular systems.

However, based on a review of the revised draft plan and supporting materials, it is not evident that this feedback has been reflected in substantive policy or investment shifts.

While incremental changes have been made, including refined language, additional targets, and improved reporting, the fundamental structure of the system remains largely unchanged. The plan continues to rely on existing residual waste management approaches, with limited evidence of regulatory mechanisms or policy changes that would drive meaningful upstream reduction or system transformation.

In particular, the continued inclusion of waste-to-energy incineration appears to be maintained as an assumed component of the system, rather than one that has been clearly substantiated. Engagement feedback identified the need for transparency regarding lifecycle costs, emissions, and long-term necessity, which is not clearly demonstrated in the draft plan materials.

Further clarification is required regarding how recycling, diversion, and recovery are defined and measured within the plan.

The **Zero Waste Hierarchy** distinguishes between:

- **Recycling**, where materials are mechanically recovered and returned to continuous material cycles
- **Material recovery**, where recyclable materials are separated and recovered after disposal through mechanical processes
- **Recovery pathways**, where materials are converted into fuel or other by-products, resulting in their destruction or removal from material circulation

As outlined in prior correspondence, while post-disposal material recovery may support recycling outcomes, it does not represent diversion from disposal. Similarly, recovery pathways that convert materials into fuel or energy represent a form of final disposal and should not be represented as diversion.

To ensure transparency and alignment with Zero Waste principles, these distinctions should be clearly defined and consistently reflected in performance metrics. Without this clarity, reported diversion outcomes may not accurately reflect progress toward waste reduction and circularity.

Given the consistency of feedback received, we recommend that Metro Vancouver:

- Demonstrate how engagement input has materially influenced policy direction and investment priorities
- Provide transparent, comparative analysis of residual waste management options, including lifecycle environmental and financial considerations, clearly demonstrating whether waste-to-energy is necessary within the system under projected waste reduction scenarios
- Clearly define recycling, diversion, and recovery metrics in alignment with the Zero Waste Hierarchy
- Strengthen regulatory and policy mechanisms to support upstream waste reduction, reuse, and circular outcomes

Without these elements, the plan risks reinforcing the current system rather than advancing the structural changes required to meet its stated objectives.

Sincerely,

Jamie Kaminski

Jamie Kaminski
President - HSR Zero Waste

February 20th, 2026

Paul Henderson, General Manager
Solid Waste Services, Metro Vancouver
BOMA BC Response to Metro Vancouver - Draft Solid Waste Management Plan (2026)

Dear Paul:

BOMA BC supports Metro Vancouver's objectives to reduce landfill disposal, increase recycling, and improve organics diversion across the region.

The commercial real estate industry advances waste diversion through recycling and organics programs, tenant engagement, and performance benchmarking embedded in BOMA BEST standards.

BOMA BEST-certified buildings incorporate waste auditing, diversion tracking, and continuous improvement practices, demonstrating our industry's leadership, and the proactive and voluntary approach to addressing this issue. For example, 36% of BOMA BEST office buildings obtain capture rates of 80-100%. Capture rates, assessed via waste audit, provide an accurate way of measuring the efficacy of a building's waste diversion program by calculating successful diversion from landfills.

However, several elements of the draft Plan have operational implications for commercial properties:

- Increased focus on commercial organics participation and performance
- Expanded data collection, tracking, and reporting expectations
- Potential tightening of disposal enforcement through haulers and facilities

While the Plan does not directly regulate individual buildings, implementation through municipal bylaws, disposal enforcement, and hauler practices would effectively transmit new requirements to property owners. This may require new infrastructure, reconfiguration of waste rooms or loading areas, additional administrative oversight, and higher hauling costs associated with contamination or rejected loads.

Added operational costs are ultimately borne by small businesses and commercial tenants. In precarious economic times, it is critical that we use education, awareness, and industry programs such as BOMA BEST to improve waste practices, rather than added costs or burdens. BOMA BC encourages Metro Vancouver to ensure any implementation remains phased and flexible, with recognition of the physical and operational constraints of existing buildings.

Education and awareness particularly focused on tenant behaviour and contamination reduction will be critical to achieving sustained improvements in diversion rates. Experience across BOMA BEST-certified properties demonstrates that engagement and practical tools are the most effective.

We welcome collaboration to ensure regional waste reduction goals are achieved to support environmental objectives while maintaining economic competitiveness for commercial real estate.

Sincerely,



Damian Stathonikos
President
Building Owners and Managers Association of BC

From: Zach Segal <zsegal@boma.bc.ca>
Sent: Friday, May 8, 2026 12:02 PM
To: Brooke Atkinson <Brooke.Atkinson@metrovancouver.org>
Cc: Damian Stathonikos <dstathonikos@boma.bc.ca>
Subject: Metro Vancouver Solid Waste Plan Feedback

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Hi Brooke,

Nice to meet you earlier this week. As discussed, please find BOMA BC's additional feedback on the draft solid waste management plan, following our meeting.

Thanks,

Zach

Zach Segal
Director of Government Relations

BOMA BC
Building Owners & Managers Association of BC

604.684.3916 ext. 225
zsegal@boma.bc.ca
2200-555 West Hastings Street, Vancouver, BC V6B 4N6
www.boma.bc.ca

May 8th[th], 2026

Paul Henderson, General Manager
Solid Waste Services, Metro Vancouver
BOMA BC Response to Metro Vancouver - Draft Solid Waste Management Plan (2026)

Dear Paul:

On February 20th, 2026, BOMA BC submitted feedback on the Draft Solid Waste Management Plan. Following our May 4th, 2026 meeting with Metro Vancouver, we are sharing additional feedback.

BOMA BC supports Metro Vancouver's objectives to reduce landfill disposal, increase recycling, and improve organics diversion across the region. However, there are opportunities for collaboration between the commercial real estate industry and Metro Vancouver to ensure program success, and to minimize financial burden on industry.

The commercial real estate industry already advances waste diversion through recycling and organics programs, tenant engagement, and performance benchmarking embedded in BOMA BEST standards.

BOMA BEST
BOMA BEST-certified buildings incorporate waste auditing, diversion tracking, and continuous improvement practices, demonstrating our industry's leadership, and the proactive and voluntary approach to addressing this issue.

For example, 36% of BOMA BEST office buildings obtain capture rates of 80-100%. Capture rates, assessed via waste audit, provide an accurate way of measuring the efficacy of a building's waste diversion program by calculating successful diversion from landfills.

Financial Burden
While the Plan does not directly regulate individual buildings, implementation through municipal bylaws, disposal enforcement, and hauler practices would effectively transmit new requirements to property owners. This may require renovations or new operational costs and burdens which are ultimately borne by small businesses and tenants. In precarious economic times, we should use education, awareness, and industry programs to improve waste practices, rather than added costs.

BOMA BC encourages Metro Vancouver to ensure any implementation remains phased and flexible, with recognition of the physical and operational constraints of existing buildings.

Fragmented Implementation
This plan provides the vision for 21 individual municipalities to implement individually through its own plans and bylaws, potentially creating a patchwork of regulations. This makes compliance an administrative burden for building owners operating in multiple jurisdictions. Industry needs a consistent approach, and we encourage Metro Vancouver to ask the province to adopt a standardized approach to implementation.

Organic Disposal Fees
Increasing penalties on haulers to incent better behavior has inherent challenges. Building owners and property managers can't control how tenants dispose of their waste, and penalizing haulers for improper tenant disposal practices only ends up adding costs and burdens on building owners and managers. Additionally, new municipal bylaws around waste diversion may require new building infrastructure, reconfiguration of waste rooms or loading areas, additional administrative oversight, and higher hauling costs associated with contamination or rejected loads.

Data Sharing
The commercial real estate industry supports waste diversion through recycling, organics programs, tenant engagement, and BOMA BEST benchmarking. Enhanced data sharing with Metro Vancouver would improve transparency and provide consistent insight into sector performance, helping to inform more flexible, outcomes-based policy approaches as an alternative to prescriptive regulation. BOMA BC and Metro Vancouver should work collaboratively to advance practical data sharing frameworks.

Education and Awareness
We believe the solution to better waste diversion is education and awareness. Clear guidance from building owners and property managers on best practices will help tenants make better decisions, and BOMA BC is uniquely positioned to share information, convene stakeholders, and encourage proper disposal methods. We encourage Metro Vancouver to consider this tactic to increase diversion.

We welcome collaboration to ensure regional waste reduction goals are achieved to support environmental objectives while maintaining economic competitiveness for commercial real estate.

Sincerely,

Damian Stathonikos
President
Building Owners and Managers Association of BC

From: Metro Vancouver Solid Waste Management Plan Update
Sent: July 15, 2026 1:57 PM
To: Zach Segal
Subject: RE: Metro Vancouver Solid Waste Management Plan - BOMA Meeting Follow-Up

Hi Zach,

Thanks for checking in on this.

Regarding the focus area that mentions the updated space and access requirements, Metro Vancouver has a guideline set out for technical specifications for recycling and garbage amenities in multi-family and commercial developments which can be accessed on our website. Regulating the space and access requirements for multi-family and commercial buildings is out of the scope of Metro Vancouver, but we have created this guideline to help municipalities. Municipalities can consider this guideline for municipal bylaws or development permit processes.

The aim of the guidance is to make sure that **new** buildings have sufficient space for recycling and waste collection and that recycling trucks can easily access the recycling rooms to avoid costly pull out service or other challenges that buildings have when the waste utility needs are not considered. Since the original guide was created in 2015 it was flagged for review to confirm the guidance reflects current practices and needs. There is an action in the draft plan that is related to updating the guideline, pending approval of the draft plan.

Thanks for working on getting more information from BOMA Canada on data sharing, and please let us know if you are interested in a presentation on any parts of the draft plan to your members.

Thanks,

Brooke Atkinson
Senior Engagement Specialist, Community Engagement
Solid Waste Services
t. 604.218.6412

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

From: Zach Segal <zsegal@boma.bc.ca>
Sent: Friday, July 10, 2026 11:21 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: Metro Vancouver Solid Waste Management Plan - BOMA Meeting Follow-Up

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Hi there Brooke,

Just checking in on this.

Thx!

Zach

From: Zach Segal <zsegal@boma.bc.ca>
Sent: Thursday, July 2, 2026 11:29 AM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: Metro Vancouver Solid Waste Management Plan - BOMA Meeting Follow-Up

Hi there Brooke,

Wanted to follow up on one additional item I noticed in the updated plan:

Increase access to organics and recycling services for multi-family residents, businesses, and institutions: Focus efforts to improve recycling in sectors with lower recycling rates such as multi-family and commercial/institutional through consideration of policy and regulatory options, tailored education tools, hauler incentives, ***and updated space and access requirements.***

This looks to be updated/new. Can you provide any background on this update/change?

We are working on getting more information from BOMA Canada on data sharing.

Thanks!

Zach

From: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Sent: Friday, June 19, 2026 1:12 PM
To: Zach Segal <zsegal@boma.bc.ca>; Damian Stathonikos <dstathonikos@boma.bc.ca>
Cc: Stephanie Liu <Stephanie.Liu@metrovancouver.org>; Terry Fulton <Terry.Fulton@metrovancouver.org>; Karen Storry <Karen.Storry@metrovancouver.org>; Chris Underwood <Chris.Underwood@metrovancouver.org>; Paul Henderson <Paul.Henderson@metrovancouver.org>
Subject: Metro Vancouver Solid Waste Management Plan - BOMA Meeting Follow-Up

Hi Zach and Damian,

I just wanted to follow up on our May 4 meeting. At that time, we offered to provide a presentation to your members on the draft solid waste management plan focusing on considerations for the commercial sector. Please let us know if you would be interested in having our staff present in the coming months. We would also be interested in continuing discussions about potentially sharing data from your BOMA Best program to contribute to improving our regional waste composition studies.

Please note we are currently in an additional comment period for the draft solid waste management plan update before we submit it to the Ministry of Environment and Parks for approval. Information on the opportunities to provide additional comments are provided below.

Let me know if you have any questions about a potential meeting or providing additional comments on the draft solid waste management plan.

Thanks,

Brooke Atkinson
Senior Engagement Specialist, Community Engagement
Solid Waste Services
t. 604.218.6412

metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

metrovancouver | SOLID WASTE

Draft Solid Waste Management Plan and Process for Additional Comments

Thank you to everyone who has contributed input to the region's draft Solid Waste Management Plan, the long term plan that will guide how our region reduces waste, increases recycling, and moves toward a more circular economy.

Review the draft Solid Waste Management Plan

Any additional feedback received by August 1 will be included with the draft Solid Waste Management Plan when it is submitted to the Minister of Environment and Parks for review.

Share your feedback by August 1, 2026

- Complete the feedback form
- Send written comments to zerowaste@metrovancouver.org
- Call the Metro Vancouver information line at 604-432-6200 to set up a phone conversation with staff

What's in the draft plan?

The draft Solid Waste Management Plan outlines:

- A vision and goals to guide the transition to a thriving region where resources are valued and nothing is wasted
- Strategies to reduce greenhouse gas emissions from solid waste
- Actions to support reuse, recycling, and waste prevention

From: Shorab. M.
Sent: June 2, 2026 10:00 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Re: Metro Vancouver's Draft Solid Waste Management Plan and Process for Additional Comments

Follow Up Flag: Follow up
Flag Status: Flagged

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

But meanwhile you want to put an AI center all over B.C and Vancouver. Your plan is a farss.Green house gas? Stop [redacted] the tax payer

On Tue, Jun 2, 2026 at 9:21 AM Metro Vancouver Solid Waste <zerowaste@metrovancouver.org> wrote:

metrovancouver | SOLID WASTE

Draft Solid Waste Management Plan and Process for Additional Comments

Thank you to everyone who has contributed input to the region's draft Solid Waste Management Plan, the long term plan that will guide how our region reduces waste, increases recycling, and moves toward a more circular economy.

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What's in the draft plan?

The draft Solid Waste Management Plan outlines:

- A vision and goals to guide the transition to a thriving region where resources are valued and nothing is wasted
- Strategies to reduce greenhouse gas emissions from solid waste

From: Julian Radlein <julianr@symbiaudit.com>
Sent: Tuesday, June 9, 2026 8:00 AM
To: Karen Storry <Karen.Storry@metrovancouver.org>
Subject: Re: GVS&DD ticking bylaw

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Good morning Karen,

Thank you so much for sending this through, and my sincere apologies for talking your ear off while you were trying to get lunch. I was swooning over what I read in the SWMP draft! And, it's been a long time since I swooned, so I got a little carried away.

Nonetheless, I see that I missed some details regarding the compliance
really liked:

- pursuing a 'clear bag' policy to improve inspection efficacy - simple and effective!
- administrative monetary penalties to address non-compliance - the pain of business as usual must be greater than the cost of doing the right thing.
- incentives for innovation within licensed facilities - everyone prefers a carrot over a stick!

30,000 - 50,000 tonnes of C & D waste. See the attached SWMP Feedback Summary (and highlighed text) from January of this year.

not, could you point me to who might?

With gratitude,

Julian Radlein
President | SymbiAudit Inc.
[redacted]

On Mon, 8 Jun 2026 at 09:07, Karen Storry <Karen.Storry@metrovancouver.org> wrote:

> Hi Julian,
>
> Thanks for the chat on Friday. Sounds like you are up to lots of great stuff as usual!
>
> Here is where you can find information about the notice of bylaw penalties, including the bylaw and the penalties issued to date:
>
> Compliance and Enforcement | Metro Vancouver
>
> Cheers,
>
> Karen Storry
> Solid Waste Services
> c. 604-657-1817
> metrovancouver
> SERVICES AND SOLUTIONS FOR A LIVABLE REGION

Solid Waste Management Plan Update: Initial Draft Feedback Summary

Tuesday, January 28, 2026
Virtual / Hybrid

Metro Vancouver is updating its regional solid waste management plan, building on the strengths of the current plan and identifying ways to accelerate waste prevention and recycling, reduce greenhouse gas emissions, and advance a circular economy.

On January 28, 2026, Metro Vancouver held a meeting to walk commit ee members through the initial draft solid waste management plan which had been published for review on January 22, 2026. Members were invited to provide early feedback ahead of the February meeting where a dedicated feedback session would be held.

Initial Feedback Summary

Recycling system and data accuracy

- The plan overlooks asphalt and concrete recycling, despite these materials being almost entirely recyclable and representing over one million metric tonnes annually.
- There is no credible method to track residuals from recycling facilities, especially once materials exit the region.
- Recycling is increasing, but this progress is not reflected in long-term planning for the draft plan.
- Waste residuals from organic processing are significantly higher than reported.
- Metro Vancouver's claimed 65% recycling rate is viewed as unrealistic when most global jurisdictions report 20%–30%.
- Accurate measurement is fundamental; without it, Metro Vancouver cannot effectively manage the system.

C&D Waste

- A large portion of C&D wood waste has become nearly impossible to recycle or convert to fuel.

Between 30,000 and 50,000 tonnes of C&D waste have been sitting on the north arm of the Fraser River for years, unresolved.

From: Ben Liegey <ben@bettertable.ca>
Sent: June 15, 2026 8:00 AM
To: Stephanie Liu
Subject: Re: Restaurants Canada x Metro Vancouver x Draft Solid Waste Management Plan Update

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Hi Stephanie,

So sorry for the late response. I will do the option 1.

Thank you for the opportunity to submit comments on the Draft Solid Waste Management Plan ahead of its submission to the Ministry of Environment and Parks for approval. I am writing on behalf of BetterTable, a Vancouver-based technology company that works directly with restaurants, hotels, and institutional food services to reduce food waste through digital auditing, carbon footprint tracking, and UN SDG-aligned reporting.

I have reviewed the April 24, 2026 delegation submitted by Restaurants Canada to the GVS&DD Board. While I understand the concerns raised around operational complexity and costs, I would like to offer a different perspective for the Ministry's consideration: food waste prevention initiatives, when properly implemented, represent a genuine opportunity for cost reduction for restaurant operators - not an additional burden.

Restaurants Canada's brief notes that "restaurants' business models create built-in incentives to focus on food waste prevention in the areas they can control." I agree wholeheartedly - and this is precisely the argument for scaling up food waste auditing tools. The disconnect today is not motivation; it is visibility. Most operators simply do not have the data to act on what they already know is a problem. If food waste were truly built into business models efficiently, it would not cost the Canadian foodservice sector an estimated $14 billion per year - a figure that speaks for itself.

Our work with properties across British Columbia - including Delta Hotels by Marriott, Oak Bay Beach Resort, and UBC Food Services - consistently shows that when restaurants gain granular, real-time insight into back-of-house prep waste, they are able to reduce food purchasing costs, optimize menu planning, and generate sustainability reporting without the burden of manual tracking.

Restaurants Canada warns against "potential new costs for restaurants." We believe the opposite outcome is achievable. With the right technology support - hardware-free, accessible on any mobile device, and designed specifically for foodservice operations - food waste prevention initiatives piloted under the SWMP can deliver measurable cost savings to operators, particularly those facing the shrinking margins Restaurants Canada rightly highlights.

We would welcome the opportunity to contribute to the design of food waste pilot programs referenced in the SWMP and to demonstrate how digital auditing tools can advance Metro Vancouver's diversion targets while delivering direct economic value to participating restaurants.

Please do not hesitate to reach out if additional information would be helpful ahead of the Ministry submission.

Warm regards,

Ben Liegey (he/him)
Founder & CEO @ BetterTable™
(604) 700-7587
www.bettertable.com
Waste Less, Earn More

From: Amanda Molloy <amolloy@fvrd.ca>
Sent: Monday, June 22, 2026 3:23 PM
To: elaine.wong@burnaby.ca
Cc: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>; john.mcewen@anmore.com; clrkirby-yung@vancouver.ca; andrea.reimer@citizenandrea.ca; prabjit.barn@fraserhealth.ca; Emily Newhouse <emily.newhouse@fraserhealth.ca>; devan.oldfield@gov.bc.ca
Subject: Letter re Metro Vancouver's Solid Waste Management Plan Update

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Good afternoon,

Please find attached a letter from FVRD Chair Patricia Ross following-up on the Solid Waste Management Plan Update presentation by Metro Vancouver staff at our Board meeting last month.

Thank you,
Amanda

Amanda Molloy
Administrative Manager
Fraser Valley Regional District

P 604-702-5080
1-45950 Cheam Ave, Chilliwack, B.C. V2P 1N6
fvrd.ca | haveyoursay.fvrd.ca



Fraser Valley Regional District

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June 22, 2026

Board Chair Mike Hurley and Board of Directors
Metro Vancouver
Metrotower III, 4515 Central Boulevard
Burnaby, B.C. V5H 0C6
c/o elaine.wong@burnaby.ca

RE: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up

Dear Chair Hurley and Board of Directors:

Thank you to the Metro Vancouver delegation for appearing before the Fraser Valley Regional District (FVRD) Board on May 28, 2026. We appreciate the update and opportunity to ask questions about the draft Solid Waste Management Plan (SWMP). We are following up with a few questions to better understand some of the issues raised during the presentation.

1. Metro Vancouver staff indicated that financial considerations, particularly transportation costs, are the main reason for preferring local disposal over remote landfill options. Could Metro Vancouver provide more detail on how this analysis is done, including what distance would be considered too far? For example, if a new landfill were developed within the FVRD, would Metro Vancouver consider it too remote to be economically viable for their disposal needs?

2. We understand that Metro Vancouver's existing disposal capacity is expected to be sufficient for the 10-year term of the SWMP and that Metro Vancouver is "*not working on any long-term disposal options at this point in time, either new landfilling capacity or new waste to energy capacity*." Could Metro Vancouver clarify whether it intends to wait until the current SWMP expires before beginning planning and discussions for replacement disposal capacity, or whether that work will begin earlier, such as through a major amendment process? We have concerns that a lack of planning for additional landfill capacity may be used to justify building more incinerators in the future when the issue becomes more urgent due to the long lead time needed for siting and developing new landfills. We would appreciate greater clarity on the anticipated timeline and process Metro Vancouver is considering for planning long-term residual waste disposal.

3. During the presentation, Metro Vancouver shared graphs showing nitrogen oxide and direct particulate emissions from the incinerator. Sulphur dioxide (SO_2) emissions were not shown. SO_2 remains a significant concern for the FVRD because of its role in forming particulate matter within the airshed. The Lower Fraser Valley Airshed, shared by both Metro Vancouver and the FVRD, is shaped like a funnel. Due to topography and wind patterns, air pollutants tend to accumulate and concentrate within the narrow eastern portions of the airshed, disproportionately impacting the FVRD. The airshed is considered uniquely sensitive due to this tendency. SO2 emissions react in the atmosphere to form secondary fine particulate matter (PM2.5), adding to the levels of PM2.5 already

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occurring within the region. More than 85 Air Quality Advisories have been issued in the FVRD for high levels of PM2.5 since 2015.

For the past decade, Metro Vancouver has been operating under interim discharge limits for SO2 while considering acid gas reduction upgrades needed to bring emissions down. When asked during the presentation when those upgrades will occur, Metro Vancouver's response was they are undertaking studies and will be proposing new discharge limits to the Province later this year. Metro Vancouver staff also added that "*working to reduce the SO2 emissions from the facility is a priority*". With that context, we would appreciate clarification on the following:

a) Secondary PM2.5 formation was not mentioned during the presentation and does not appear to be addressed within the SWMP. How would new discharge limits address the facility's contribution to secondary PM2.5 formation within the airshed?

b) Could Metro Vancouver clarify how reducing SO_2 emissions is being treated as a priority if, rather than committing to the upgrades needed to reduce emissions, Metro Vancouver intends to seek revised discharge limits instead?

c) Our understanding is that the Public Health Risk Assessment study being conducted in consultation with the health authorities intending to inform these limits is still underway. Unless the study has been completed, are you please able to clarify how Metro Vancouver is able to assume that the findings support higher discharge limits? If this study has been completed, please share a copy with the FVRD as we are extremely interested to review it.

4. When asked why the SWMP does not include a long-term phase-out of the aging Burnaby incinerator, Metro Vancouver stated that waste-to-energy facilities do not have a fixed lifespan because they can be continually upgraded. Metro Vancouver continued by referencing a European incinerator that has operated for more than 100 years. Our review of that facility – the Josefstrasse incinerator in Zurich, Switzerland – suggests that a different lesson could be taught by this example. Although the Swiss facility operated for over a century, it was closed in 2021 because of its age and the high cost of upgrades needed to meet modern environmental standards. Its first major emission-control upgrades were installed only in the late 1980s, meaning its total post-upgrade lifespan was about 34 years, not even as old as Metro Vancouver's incinerator is today. Following closure of the Swiss facility, elevated dioxin levels linked to the facility were also found in a nearby park, leading to public concern and costly cleanup. In our view, this example helps to support the need for Metro Vancouver's SWMP to include phasing out the use their garbage incinerator that than justify how these facilities can safely operate indefinitely.

   In addition to Josefstrasse, the literature suggests numerous incinerators across Europe are also being shut down due to pollution standards, growing public backlash, and financial challenges due to the loss of public subsidies as waste incineration is no longer classified as green energy by the

European Union.[i] Organizations are calling for a moratorium on any new waste incinerators across the EU, including a demand for phase-down strategies of existing incineration capacity.[ii] Circular economy efforts appear to be reducing the reliance on incineration in Europe, a trend that unfortunately does not appear to be reflected within Metro Vancouver's SWMP.

5. We noted Metro Vancouver's acknowledgement that construction and demolition waste is leaking from Metro Vancouver into the FVRD and that Metro Vancouver staff are unable to estimate the amounts because this material bypasses Metro Vancouver's facilities. Given the amount of construction occurring, this could represent significant waste flow. Does Metro Vancouver have suggestions for how this material could be quantified and how to track where it is being sent for processing or disposal? We would be very interested in hearing your ideas on a potential proposal to better understand this waste flow.

Thank you again for the delegation and we look forward to continuing discussions on this topic.

Sincerely,



Patricia Ross
Board Chair, Fraser Valley Regional District

Cc: zerowaste@metrovancouver.org
John McEwen, Metro Vancouver Board Vice Chair, john.mcewen@anmore.com
Sarah Kirby-Yung, Metro Vancouver Zero Waste Committee Chair, clrkirby-yung@vancouver.ca
Andrea Reimer, SWMP Independent Consultation and Engagement Plan Chair, andrea.reimer@citizenandrea.ca
Dr. Prabjit Barn, Environmental Health Scientist, Fraser Health Authority, prabjit.barn@fraserhealth.ca
Dr. Emily Newhouse, Medical Health Officer, Fraser Health Authority, emily.newhouse@fraserhealth.ca
Devan Oldfield, Sr. Environmental Protection Officer, Municipal and Organic Waste Authorizations, devan.oldfield@gov.bc.ca

[i] https://www.politico.eu/article/europe-experiment-zubieta-waste-electricity-homes/ https://e360.yale.edu/features/in-europe-a-backlash-is-growing-over-incinerating-garbage
[ii] https://zerowasteeurope.eu/press-release/civil-society-calls-for-immediate-moratorium-on-new-waste-incinerators-across-the-eu/

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Office of the Chair
Tel. 604-432-6215 or via Email
CAOAdministration@metrovancouver.org

July 20, 2026

File: PE-13-01

Patricia Ross, Board Chair, and Board of Directors
Fraser Valley Regional District
1-45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: pross@abbotsford.ca

Dear Chair Ross and Board of Directors:

Re: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up

Thank you for the opportunity to present to the Fraser Valley Regional District (FVRD) Board on May 28, 2026, and for your follow-up letter dated June 22, 2026. We appreciate your interest in the Solid Waste Management Plan and your detailed feedback and questions. We value the opportunity to continue to collaborate on solid waste issues to advance our shared interests and build shared understanding.

Metro Vancouver shares the FVRD's priorities on waste reduction, environmental protection, and air quality. As noted in our presentation at the FVRD Board meeting, the Waste-to-Energy Facility has excellent environmental performance with emissions from the facility averaging 17% of the regulatory standard in 2024. Nonetheless, as described in the draft Solid Waste Management Plan, Metro Vancouver will continue to further enhance environmental performance at the Waste-to-Energy Facility over the course of the plan.

As per the requirements of the September 23, 2025 update to the Waste-to-Energy Facility Operational Certificate, Metro Vancouver will submit proposed draft updates to the Waste-to-Energy Facility emission limits by September 23, 2026. Engagement on the proposed draft emission limits will begin upon approval of a consultation and engagement plan by the Ministry of Environment and Parks. Metro Vancouver will communicate with FVRD staff when engagement begins.

Given the detailed questions and comments raised in your letter, we have asked Metro Vancouver staff to write separately to FVRD staff with a fulsome response.

Staff are welcome to contact Paul Henderson, General Manager, Solid Waste Services, by phone at 604-432-6400 or by email at paul.henderson@metrovancouver.org to discuss the draft Solid Waste Management Plan and ask any remaining questions.

86302109

Yours sincerely,

Mike Hurley
Board Chair

Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

MH/PH/sl

cc: John McEwen, Board Vice Chair, Metro Vancouver

86302109

From: Alison Hilkewich
Sent: July 21, 2026 2:57 PM
To: Paul Henderson
Cc: Stephanie Liu; SW - Management
Subject: RE: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up
Attachments: Solid Waste Management Plan Update Presentation Follow-Up.pdf

Fyi.

From: Alison Hilkewich <Alison.Hilkewich@metrovancouver.org> **On Behalf Of** Paul Henderson
Sent: Tuesday, July 21, 2026 2:55 PM
To: llilley@fvrd.ca
Cc: Andrea Reimer (Chair) <andrea.reimer@citizenandrea.ca>; prabjit.barn@fraserhealth.ca; Emily Newhouse <emily.newhouse@fraserhealth.ca>; Arvind ENV:EX <Arvind.Saraswat@gov.bc.ca>
Subject: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up

Dear Lance,

Please find attached a letter regarding Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up.

Thank you.

Paul Henderson , M.A.Sc., M.B.A., P.Eng.
General Manager
Solid Waste Services
t. 604.432.6400

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Solid Waste Services Department
Tel. 604-432-6400 or Fax 604-451-6180

July 21, 2026

File: PE-13-01

Lance Lilley, Manager of Environmental Services
Fraser Valley Regional District
1-45950 Cheam Avenue
Chilliwack, BC V2P 1N6
VIA EMAIL: llilley@fvrd.ca

Dear Lance Lilley:

Re: Metro Vancouver's Solid Waste Management Plan Update Presentation Follow-Up

Metro Vancouver received a letter from the Fraser Valley Regional District Board (FVRD) Chair dated June 22, 2026, as a follow-up to Metro Vancouver's presentation at the May 28, 2026 FVRD Board meeting. Metro Vancouver's Board Chair and Zero Waste Committee Chair replied on July 20, 2026 to express appreciation for the feedback in the letter, noting that staff would provide a detailed response.

Below are detailed responses to the comments raised in the FVRD Board Chair's letter.

Cost Impacts of Disposal Options and Future Disposal Capacity Planning
The draft Solid Waste Management Plan, and the presentation provided to the FVRD Board, described the rationale for prioritizing local solutions in the draft plan, including:

- Increased system resilience
- Reduced transportation-related greenhouse gas emissions
- Creation of local employment and economic benefits
- Typically lower cost than solutions in distant communities

Affordability is incorporated in the draft plan's guiding principles and is a key consideration throughout the plan. Disposal at remote landfills is approximately twice the cost of local disposal options. When comparing the cost of local disposal to remote disposal, transportation costs are a key component of the calculation. The overall cost analysis for disposal options includes costs related to handling garbage at recycling and waste centres proportionally based on the portion of the waste managed at the disposal facility that is initially delivered to a recycling and waste centre. Approximately 60 per cent of the garbage disposed at the Waste-to-Energy Facility is delivered directly to the facility.

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The draft Solid Waste Management Plan notes that Metro Vancouver will optimize use of the Vancouver Landfill and the Waste-to-Energy Facility, and describes potential criteria for assessing future disposal capacity if required. As of 2026, Metro Vancouver has no plans to pursue additional disposal capacity. As noted in the draft plan, if the Board decided to pursue any new disposal capacity within the region that is reviewable under the *Environmental Assessment Act* and associated regulations, a plan amendment would be required.

Your letter mentions the possibility of a new landfill in the FVRD. To consider Metro Vancouver's use of any potential future landfill in the FVRD, Metro Vancouver would seek more information about what is proposed. Metro Vancouver is open to further discussions with the FVRD about future disposal options.

Air quality concerns

The Waste-to-Energy Facility has excellent environmental performance with emissions averaging 17 per cent of regulatory limits in 2024. Metro Vancouver is committed to further enhancing the environmental performance of the Waste-to-Energy facility, including reducing sulphur dioxide emission levels.

Sulphur dioxide levels in the Lower Fraser Valley have reduced dramatically in the last number of years. According to Metro Vancouver's 2024 Air Quality Summary, sulphur dioxide levels have decreased 80 per cent since 2013 with ambient sulphur dioxide levels well below air quality objectives.

Metro Vancouver is pursuing opportunities to lower sulphur dioxide emissions and emission limits for the Waste-to-Energy Facility. As required in the Operational Certificate, testing of potential facility operational modifications to support reduction in discharge limits is underway.

Metro Vancouver is also pursuing updates to emissions monitoring as part of its work related to proposing updated emission limits for the Waste-to-Energy Facility. Among the potential updates, Metro Vancouver has commenced testing of condensable particulates in addition to filterable particulates. Proposed updates to emissions monitoring along with proposed updated emission limits will be communicated as part of the submission to the Ministry of Environment and Parks by September 23, 2026.

With respect to fine particulate matter ($PM_{2.5}$) air quality warnings within the FVRD, we agree that reducing fine particulate levels is an important objective. The Waste-to-Energy Facility generates only 0.03 per cent of regional fine particulate emissions. Additionally, the total regional fine particulate emissions do not account for fine particulates generated by wildfires outside of the region which are the primary source of fine particulates that cause air quality warnings.

Work on the public health risk assessment is also underway and will be shared publicly as part of the submission to the Ministry of Environment and Parks by September 23, 2026. The study will include analysis based on current emission limits, current actual emissions, and proposed draft emission limits, including an analysis of the implications of any secondary particulates related to sulphur dioxide emissions.

Long-Standing Waste-to-Energy Facility in Switzerland

Nearly all garbage generated in Switzerland is managed via waste-to-energy. This is also the case for a number of other European and Asian countries. With respect to the Josefstrasse facility in particular,

information available online suggests that the primary reason for closure of the facility was overcapacity within the Zurich solid waste system noting that in its final years the facility processed waste primarily from Germany. Online news sources also note that freeing up the site for development also was important in the decision to shut down the facility (Reference 1). Note that in parallel to the closure, a nearby Waste-to-Energy Facility was expanded, resulting in a single larger facility with an expanded district energy system which was more efficient than two facilities.

Waste-to-energy provides an effective and safe alternative to landfilling, with more than 3,000 waste-to-energy facilities operating worldwide. Individual facilities open and close for reasons unique to the specific facility or community. A recent article in the publication Waste & Recycling notes continued growth in the worldwide number of Waste-to-Energy Facilities including growth in Europe (Reference 2). Metro Vancouver recently published a report providing detail on the use of waste-to-energy as a disposal technology (Reference 3). The study shows that communities choose between landfilling and waste-to-energy based on local circumstances.

Metro Vancouver's Waste-to-Energy Facility, constructed in 1988, has had regular upgrades to its environmental protection systems. The facility continues to be a safe and cost-effective residual waste disposal option in the region.

Construction and Demolition Waste
Metro Vancouver tracks material from licensed construction and demolition processing facilities in the region that is then sent for disposal outside of Metro Vancouver. Metro Vancouver has heard anecdotally that some construction and demolition waste moves from project sites in the Metro Vancouver region directly to facilities in the Fraser Valley, but we have no supporting data to confirm this information. Metro Vancouver would be happy to further discuss this issue.

Additional Action Items Arising from May 28, 2026 FVRD Board Meeting
Following the questions and discussion at the May 28, 2026 FVRD Board Meeting, Metro Vancouver committed to providing the following information:

- *Summary of waste diversion statistics for the commercial sector over time*
  Information on diversion rate over time by sector is attached. The commercial/institutional sector has seen an increase in diversion of approximately 10 per cent since 2011. The commercial/institutional sector diversion rate of 48 per cent is lower than the single-family diversion rate of 64 per cent, but higher than the multi-family rate of 34 per cent. The draft Solid Waste Management Plan sets a target of 60 per cent commercial/institutional sector diversion by 2036.
- *Information on contamination rates*
  Metro Vancouver has asked RecycleBC to provide comparisons of contamination rates between single stream recycling systems and multi-stream recycling systems. Information on the RecycleBC website confirms that single stream recycling contamination rates are higher than multi-stream rates, but does not provide specific numerical comparisons (Reference 4).

Thank you again for FVRD's detailed and valuable feedback. FVRD's feedback will be provided to the Ministry of Environment and Parks for consideration when the draft plan is submitted. We are also very

appreciative of the opportunity to present to the FVRD Board several times during the Solid Waste Management Plan update process.

Metro Vancouver would be happy to schedule future discussions with FVRD staff to collaborate on solutions for illegal dumping, demolition waste movement between our regional districts, and long-term disposal options. Please feel free to email or call me at 604-432-6400 or Paul.Henderson@metrovancouver.org.

Yours sincerely,



Paul Henderson, M.A.Sc., M.B.A., P.Eng.
General Manager, Solid Waste Services

PH/sl

cc: Andrea Reimer, Solid Waste Management Plan Independent Consultation and Engagement Panel Chair
Dr. Prabjit Barn, Environmental Health Scientist, Fraser Health Authority
Dr. Emily Newhouse, Medical Health Officer and Medical Director, Fraser Health Authority
Arvind Saraswat, Director, Municipal and Organic Waste Authorizations, Ministry of Environment and Parks

Attachment: Diversion rate over time by sector

References:

1. Organisator. (2021, February). *Switzerland's oldest waste incineration plant has had its day*. https://www.organisator.ch/en/sustainability/2021-02-28/aelteste-kva-der-schweiz-hat-ausgedient/
2. Waste & Recycling. (2026, March). *Waste-to-energy plants continue global growth*. https://wasterecyclingmag.ca/business-operations/waste-to-energy-plants-continue-global-growth
3. Stantec Consulting Ltd., for Metro Vancouver. (2026, January). *Residual Waste Management Options Review*. https://metrovancouver.org/services/solid-waste/Documents/residual-waste-management-options-review.pdf
4. Recycle BC. (2017, November). *What is contamination?* https://recyclebc.ca/what-is-contamination/

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Diversion Rate Over Time by Sector

	Commercial/ Institutional	Single-Family	Multi-Family	Construction and Demolition	**Overall**
2011	38%	59%	34%	74%	**57%**
2012	38%	56%	27%	75%	**58%**
2013	39%	60%	28%	76%	**60%**
2014	43%	62%	24%	75%	**61%**
2015	42%	66%	29%	74%	**62%**
2016	53%	64%	33%	71%	**62%**
2017	50%	64%	31%	76%	**63%**
2018	46%	64%	37%	78%	**64%**
2019	43%	63%	36%	76%	**63%**
2020	44%	64%	38%	78%	**64%**
2021	46%	63%	37%	79%	**65%**
2022	48%	64%	36%	80%	**65%**
2023	50%	62%	34%	81%	**65%**
2024	48%	64%	36%	81%	**65%**

From: Amanda Molloy <amolloy@fvrd.ca>
Sent: July 31, 2026 8:58 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: Devan.oldfield@gov.bc.ca; Lance Lilley
Subject: FVRD Comments re: Solid Waste Management Plan 2026
Attachments: 2026 07 30 FVRD Comments on MV SWMP.pdf

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Good morning,

Please find attached comments from the Fraser Valley Regional District regarding Metro Vancouver's final draft 2026 Solid Waste Management Plan.

Thank you,
Amanda

Amanda Molloy
Administrative Manager
Fraser Valley Regional District

P 604-702-5080
1-45950 Cheam Ave, Chilliwack, B.C. V2P 1N6
fvrd.ca | haveyoursay.fvrd.ca



Fraser Valley Regional District

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July 30, 2026

Metro Vancouver
Metrotower III, 4515 Central Boulevard
Burnaby, B.C. V5H 0C6
zerowaste@metrovancouver.org

RE: Metro Vancouver's Solid Waste Management Plan 2026

Dear Metro Vancouver:

The Fraser Valley Regional District (FVRD) has reviewed Metro Vancouver's final draft 2026 Solid Waste Management Plan (SWMP). We appreciate the engagement from Metro Vancouver on the development of this plan and are thankful for the opportunity to provide comments.

The FVRD supports some elements of the plan, particularly those focused on zero waste initiatives and efforts to increase food waste diversion through food recovery programs, education, and additional organics processing capacity. The FVRD also appreciates Metro Vancouver's recognition that continued coordination with adjacent regional districts will be important as the plan is implemented. We see future collaborative opportunities in projects such as increasing reuse of construction and demolition materials, better understanding the amount and disposal locations of construction waste being sent from Metro Vancouver to the FVRD, and on potential new landfill development.

The FVRD continues to have significant concerns, however, with how the plan fails to address issues about air quality and garbage incineration. The FVRD is within the eastern portion of the Lower Fraser Valley Airshed. This airshed, which is shared with Metro Vancouver, acts to funnel pollutants into the FVRD as the airshed narrows to the east. The airshed is considered "sensitive" due to this tendency to accumulate and concentrate pollutants. Air quality trends show that progress is made with some emissions, but fine particulate matter (PM2.5) remains particularly concerning. More than 85 Air Quality Advisories have been issued in the FVRD for high levels of PM2.5 since 2015. Pollutants coming from Metro Vancouver's garbage incinerator add to this problem, including sulfur dioxide (SO2), which is converted in the atmosphere into PM2.5 and have disproportionate impacts on the FVRD due to the shape of the airshed. These concerns are not addressed within Metro Vancouver's SWMP.

The FVRD is providing the following comments to be included in Metro Vancouver's submission of their SWMP to the Minister of Environment and Parks.

1. <u>Phasing Out Garbage Incineration within the Lower Fraser Valley Airshed</u>

   The FVRD has significant concerns that Metro Vancouver's SWMP continues to rely on incineration-based approaches, including waste-to-energy and cement kilns, for long-term residual waste management. It is highly disappointing that Metro Vancouver's SWMP does not include a long-term strategy to phase out incineration, particularly given the age of their incinerator and the sensitivity of the airshed.

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The FVRD continues to be one of the fastest growing regions in the Province, expecting an almost 50% increase in population by 2050. This growth will place additional pressures on the airshed and will result in a larger number of residents being exposed to pollution from the unnecessary burning of garbage. Garbage incinerators are being shut down across Europe due to stronger environmental standards and reclassification of the energy produced as neither green nor sustainable, yet Metro Vancouver's SWMP does not include any plan to phase it out and instead appears to entrench its long-term use.

The FVRD strongly recommends Metro Vancouver phase out all incineration of municipal solid waste within the sensitive Lower Fraser Valley Airshed.

2. Commit to No Additional Garbage Incineration within the Airshed

Metro Vancouver's SWMP fails to address how and where residual municipal solid waste will be sent for disposal after current disposal capacity is exhausted, but the plan does identify technical criteria for new facilities *if* additional disposal capacity were required in the future. These criteria fail to recognize airshed sensitivity as a siting criterion. As previously described, the airshed is considered sensitive because pollutants accumulate and concentrate in the eastern portion of the airshed in the FVRD. If Metro Vancouver considers additional incineration capacity in the future, it should not be anywhere within the Lower Fraser Valley airshed.

The FVRD recommends that Metro Vancouver's SWMP include airshed sensitivity within their decision-making criteria for siting new disposal facilities and to include a commitment that no additional incineration capacity will be pursued within the sensitive Lower Fraser Valley Airshed.

3. Lacking Commitment to Emission Control Upgrades

While the FVRD remains concerned with all air pollutants from the incinerator that have the potential to travel to the Fraser Valley, SO2 emissions are of particular concern. SO2 is associated with its own significant health impacts, but one of the most harmful functions of SO2 is that it reacts with moisture in the atmosphere to form sulfate aerosols, which contributes to PM2.5 levels in the airshed.

Metro Vancouver staff have asserted that direct PM2.5 emissions from the facility remain below their emission limits, but this fails to account for the release of precursor pollutants such as SO2. SO2 emissions from the incinerator have remained above the original discharge limits in the operational certificate and are higher than emissions at comparable Canadian facilities. The Province has allowed Metro Vancouver to operate under interim discharge limits for the past ten years to give Metro Vancouver time to install the acid gas reduction upgrades needed to lower these SO2 emissions. Although the SWMP includes $100 million in capital funding for these upgrades, Metro Vancouver has also indicated they may not install them as they are first seeking to have the discharge limits revised so that the upgrades are not required.

The FVRD does not support continued use of the incinerator, but if this facility continues to remain operational, Metro Vancouver needs to at least commit to the best available emission control systems.

The FVRD strongly recommends that Metro Vancouver install emission control upgrades at the garbage incinerator without further delay to lower SO2 emissions from this facility.

4. Long-Term Disposal Capacity Not Addressed

Metro Vancouver has indicated that existing disposal capacity is expected to adequately meet the region's needs during the 10-year term of the SWMP and, as a result, they are "not working on any long-term disposal options at this point". Consequently, the SWMP does not address long-term disposal capacity. Given the upcoming closure of their primary landfill in 2050 and the long lead time required to site and develop a new landfill, it seems highly unlikely that significant planning for future disposal capacity would not need to begin within the term of the SWMP.

If future disposal capacity planning is being deferred until after the SWMP term, the FVRD is concerned that decision making may be pressured by urgency and without sufficient transparency, public input, or analysis. It may also result in attempting to fast-track additional garbage incineration within the airshed due to a lack of disposal options which would be completely unacceptable.

If Metro Vancouver is already planning for long-term disposal capacity, why is this occurring outside of the SWMP process? Should this not be within the scope of this current SWMP? Or perhaps Metro Vancouver is intending to pursue a major update of their SWMP within the next couple of years? Added clarity on this matter is required within the SWMP.

The FVRD recommends that Metro Vancouver provide greater transparency regarding long-term disposal planning and that this planning be included as part of this SWMP process.

5. Impacts to Adjacent Regional Districts Not Identified

The SWMP states that no significant impacts on adjacent regional districts are anticipated. However, the basis for that conclusion has not been made clear. The plan does not explain what consultation informed this assessment, how significance was defined, or what impacts were considered and screened out. Any proposed changes in policies, bylaws, or programs that may affect the FVRD, including any new requirements, costs, or revenue losses anticipated for private businesses in the Fraser Valley involved in the solid waste industry, should be made transparent and have meaningful consultation conducted.

The FVRD recommends that the SWMP provide additional clarity on how adjacent regional districts will be impacted by its implementation and how this assessment was conducted.

6. Greater Reuse of Wood Waste

Metro Vancouver's SWMP proposes to process "clean dimensional lumber not currently reused or recycled due to insufficient processing capacity or technical constraints" into biofuel. Turning biomass into biofuels via thermal processes such as gasification or pyrolysis produces harmful pollution such as particulate matter and nitrogen oxides. The sensitive Lower Fraser Valley airshed already has elevated levels of these pollutants and additional pollution needs to be avoided.

Greater reuse or recycling of construction and demolition waste throughout the Lower Mainland is needed and represents an area of opportunity for potential inter-regional collaboration. Development

of a thermal processing system that would convert waste into biofuel would not only jeopardize investments that would allow for greater reuse or recycling of this material, it would result in additional air pollution and would eliminate potential opportunities for FVRD collaboration.

The FVRD recommends Metro Vancouver prioritize investments into processes that allow for greater reuse of salvageable material such as clean dimensional lumber rather than into energy recovery.

Thank you for your efforts on preparing a new Solid Waste Management Plan for Metro Vancouver. We appreciate the opportunity to provide comments and hope our concerns will be addressed in subsequent revisions.

Sincerely,



Patricia Ross
Board Chair, Fraser Valley Regional District

Cc: Devan Oldfield, Sr. Environmental Protection Officer, Municipal and Organic Waste Authorizations, BC Ministry of Environment and Parks. Devan.oldfield@gov.bc.ca.

From: Aleena Akhter [redacted]
Sent: July 2, 2026 10:44 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Public Submission: Draft Solid Waste Management Plan Feedback - Student Researcher in BC

Follow Up Flag: Follow up
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Hello, I am a student researcher living in Surrey, BC. I have read the updates concerning the Solid Waste Management Plan that will be adopted in 2036 in Metro Vancouver. I would like to provide feedback towards the final draft of this plan. I have also provided the specific area/page upon which I have based my arguments on.

1. Public Access areas in terms of Multi-Family and Business Recycling (Focus Area 3): I believe both Multi-Family living areas such as condos or apartments and local businesses concur astronomical amounts of waste if not managed properly. The 2036 target of having single-family living units reach a waste diversion rate of 75% while having multi-family units reach a waste diversion of only 60% and commercial/institutional infrastructure 65% ignores the idea of the lack of recycling infrastructure near these units. Especially those in lower-income areas. Thus, I believe it is important to emphasize the infrastructural access disparities of waste management sites for the public. Allowing the Solid Waste Management Plan to further focus on creating more areas of waste management, and therefore increasing the recycling rate of both single and multiple family units.

2. Newcomer Education on Waste Management in Vancouver(Page 35): Vancouver receives hundreds of immigrant families each year. With this rate of immigration expected to only increase in the future. Many of these families are not fluent or even not at all familiar with the language of English. With most waste management information/education being available primarily in English prevents incoming families from creating the new habits needed to increase the rate of waste diversion and recycling. Thus, I believe more importance and funding should be put toward educating incoming families, and diversifying education to accommodate for future families.

3. Questions Regarding Further Action:

- To what extent is plastic pollution an important concern in waste management for Metro Vancouver? If it is a major factor, are there any specific plans in place for implementation to target plastic pollution?
- What will be the future steps if the Revised Draft is, or is not, accepted by the government? I wish to be a part of this journey in the future to help reach future regional emissions goals.
- Would a member of the project team be open to a 10-minute virtual interview on some general topics of the Revised Solid Waste Management Plan? Particularly focusing on the collaborations made with the local government with non-state actors in Metro Vancouver?

Thank you for your consideration of my arguments.

From: Jan Hastings <jan@recycling.bc.ca>
Sent: July 6, 2026 5:04 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Submission to Metro Vancouver SWP, 2026
Attachments: Metro Vancouver SWP submission.docx

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Flag Status: Flagged

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Good afternoon,

Please accept this document as input from Nanaimo Recycling Exchange Society to your next Metro Vancouver Solid Waste Management Plan.

The document is an excerpt from a report authored by Nanaimo Recycling Exchange.

Good luck with your plan.

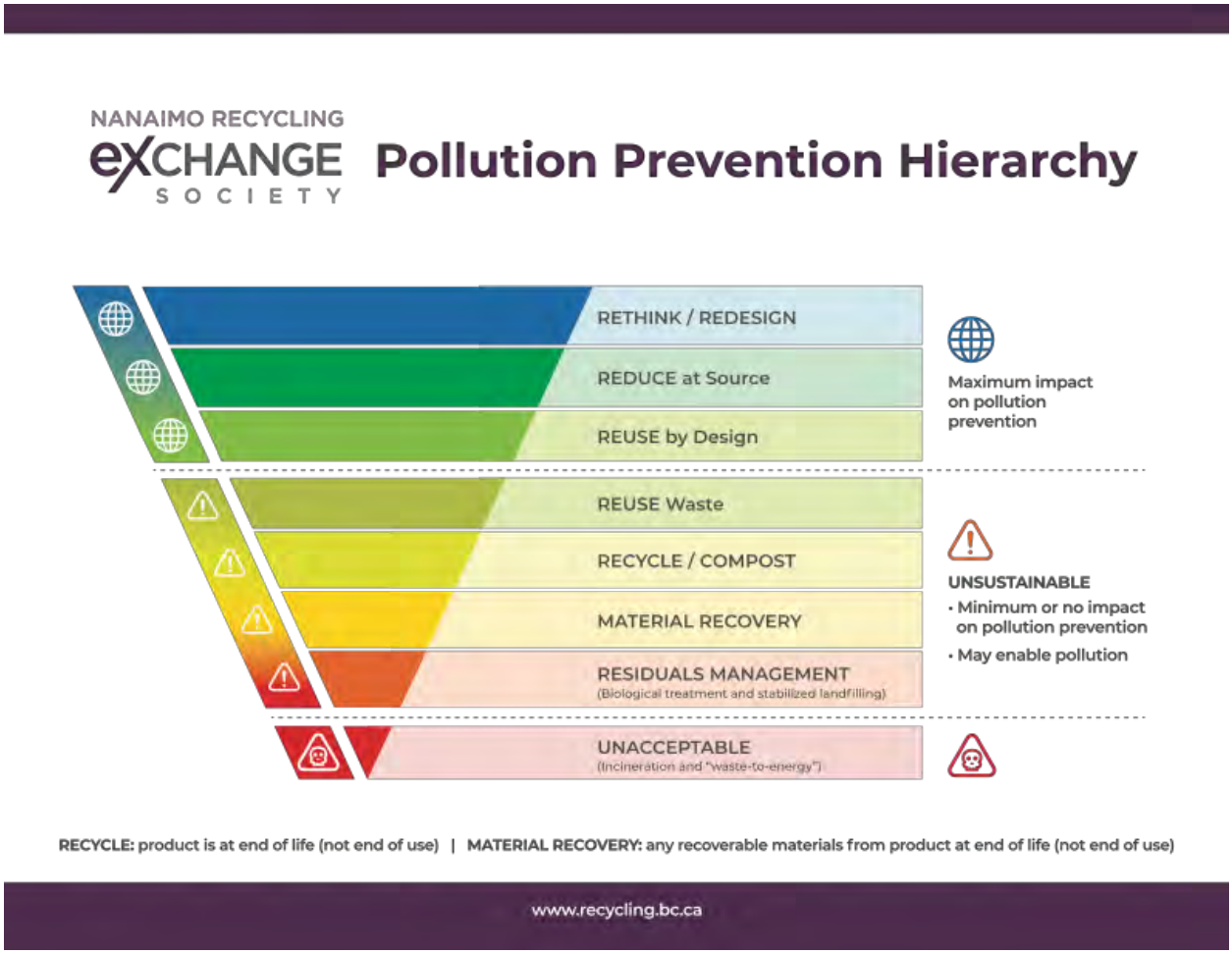
Check out our Website https://www.recycling.bc.ca/

Follow us on Facebook https://www.facebook.com/NanaimoRES/

Kind Regards, ♻
Jan Hastings, MA
Executive Director
Nanaimo Recycling Exchange Society
jan@recycling.bc.ca

This Pollution Prevention Hierarchy was developed by Nanaimo Recycling Exchange as part of a document titled “Deconstruction Deconstructed.” The hierarchy below, with rationale and purpose of each waste prevention principle is based on original Pollution Prevention principles, rather than economic principles of Waste Management.

This hierarchy is recommended as a template for Solid Waste Management Plans.



This hierarchy was designed as a waste prevention tool; used correctly in design and planning stages, the tool drives behaviours like ReThink, Reduce at Source, and Reuse by Design in order to prevent waste and pollution. When used correctly, there isn’t much waste that needs a new use, recycling, or disposal. **Prevention is the point.**
Applying any options below dotted lines to find uses for wasted materials is a corruption of waste prevention principles and the tool. Pretending the outcome is waste reduction is not only physically impossible, It’s also too late—waste can’t be unwasted.

Diversion from landfill to options on the hierarchy cannot reduce waste that already exists. In most cases, more pollution and waste is created from the practice. Diversion from landfill simply moves wasted material around and makes it unrecognizable as waste. Jobs are created

and money is made calling it Reuse, Reduce, Recycle, and Recovery of Energy. Landfills don't get full. Everyone happy.

Diversion of CRD demolition/deconstruction waste from landfill is a smoke and mirrors diversion from the primary blunder of wasting a house. Waste haulers make houses disappear.

Waste management eradicates waste prevention
The following is what happens when the Pollution Prevention Hierarchy is used incorrectly to divert mountains of CRD waste from landfill. Calling these practices ReThink, Reduce, Reuse, Recycle, or Resource Recovery is greenwashing fiction.

RETHINK / REDESIGN

ReThinking the concept of waste is the most important tool for preventing waste. That's why it's the first and the biggest section of the pollution prevention triangle. The purpose of ReThink was implemented to change thinking that leads to waste:

> **In 1971, the World Consultation on the Use of Wood concluded,**
> "(e) In establishing national housing programmes, governments should consider the economic advantage of short-life… lightweight wood construction that may readily be replaced totally or partially. Such a policy would inject an element of flexibility in urban and rural development and permit the timely adoption of higher standards of living for the population."
> https://www.fao.org/3/c3848e/c3848e01.htm

ReThink in 1971 would have challenged the concept of short-life construction, and prevented waste and resource destruction. Rather than short life construction, ease of disassembly for reuse could have been incorporated into design. If ReThink had occurred in 1971, reuse by design would be in place, preventing wasted CRD lumber from getting burned as fuel today.



That's the first clue that the Pollution Prevention Hierarchy can't be used to manage waste. Nobody using the waste management approach has to ReThink.

ReThink can't fix this.



When the 3R's were first introduced, Reduce meant reduction at source: the idea was to conserve resources and prevent waste. In construction, Reduce would have meant cut fewer trees, make less cement and steel, and build smaller homes. Oops, reduce economic growth? That didn't last.

What did last? Persistent indoctrination that waste and pollution is a reasonable trade-off for progress and economic success.

Failure to incorporate Reduce at source resulted in decades of record consumption and waste. As government landfills got full, new definitions of Reduce were invented:

1. Reduce environmental impact of waste, and/or
2. Reduce waste after the waste has been created.

This new definition was needed so the term Reduce could then be applied to waste: no need for prevention. Used this way, Reduce gives the impression that waste and waste impact reduction can be achieved by unfounded and futile practices like diversion of wasted materials from landfill.

How does that definition work?

It doesn't.

1. <u>Reduce environmental impact:</u> A house gets demolished. It is not possible to reduce environmental impact from extraction, manufacturing and global transportation of materials it took to build that house. Further, the exact same extraction, manufacturing, and global transportation process is repeated to build a replacement house, likely larger than the original. Addition isn't reduction.

   It is not possible to reduce the environmental impact of wasted materials by choosing to recycle or reuse the material. It's too late. Comparing environmental impact of a standing house to that same house demolished into waste is insufficient to draw conclusions about environmental impact. Life Cycle Analysis of every resource and activity needed to build, live in, demolish, replace, and live in the replacement house would be needed. This data doesn't exist. Comparing so called environmental impact of recycling or reusing the wasted materials is an egregious abuse of the waste prevention definition of Reduce at Source.

2. Reduce waste: It is not possible to reduce waste after waste has been created.

   Taking a house down creates waste where none existed. Reducing the size of the pile by grinding the good lumber to burn as fuel at lumber mills does not change the fact that the lumber was wasted. Crushing the concrete for fill or road base, or to make piles on private land cannot change the fact that the concrete was wasted. Even if you Reduce your thinking enough to believe these activities reduce waste after wasting a house, there is still the problem that hauling wasted resources around trying to get rid of them also creates more waste and more pollution.

BC houses are being demolished after 8 years of life. Destruction of resources and creating waste should be understood as what it is. Destruction is not reduction.

The concept of reducing waste is faulty and the practices are counter-productive. Thinking up something to do with a wasted resource is called diversion from landfill. It does not reduce environmental impact of waste, and it does not reduce the waste.

No prevention. More waste. More money. Old trick.

Abdication of the original Pollution Prevention Hierarchy “Reduce at Source” definition was the monumental failure to prevent waste, pollution, and resource depletion. Mountains of waste predictably and inevitably followed.

REUSE by Design

The original definition of Reuse is for products used for the same purpose as conceived, for the life cycle of the product, without repair or refurbishment or remanufacturing. It is assumed that durability and safety are built into the design to allow maximum rotation of uses. That is why it must be Reuse by Design.

Reuse by design is meant to preserve resources to prevent waste. It cannot be used to reduce waste that has been created. Avalon Dairy reuses glass containers designed for Reuse.

Reuse of waste is a different matter. Consciously removing a product from the intended use, and then trying to find another (re)use for it assumes the material is not at end of life and therefore

- fails the test by definition of reuse, and
- fails as a waste prevention strategy.

Finding uses for wasted materials cannot prevent waste or preserve resources, and cannot be called Reuse. Finding use for wasted material also cannot make up for the need to extract new resources to replace the product.

As long as there is little interest in Reuse by Design in construction, renovation, or deconstruction/demolition, and only small market uptake of CRD waste for reuse, it is best to leave structures untouched and in use.

It remains to be seen whether dimensional lumber from deconstruction will be available for large-market uptake into new construction. For structural use, the lumber must be re-graded and re-certified by engineers qualified to assess defects from nail and fastener holes, age, and species adaptability. There is currently not enough incentive for structural engineers to adopt the professional risk of regrading used structural lumber in instances when regrading is required.

Cost of deconstruction, product remediation and re-certification is a factor. Typically, the process of regrading used lumber for structural purposes is cost prohibitive due to the expense of hiring a structural engineer to certify the products (Schroeder 2017). Retrieved from: Recycling your home: Can structural wood be reused for the same purpose? at https://greatlakesecho.org/2017/07/12/recycling-your-home-canstructural-wood-be-reused-for-the-same-purpose/

While the BC Building Code allows salvaged lumber to be used for structural purposes in principle, that does not mean it will be approved during the construction permitting process. Deconstruction, therefore, does not guarantee preservation of dimensional lumber, often 40% by weight of salvaged material from deconstruction, and therefore does not mitigate destruction of a viable structure.

Surprisingly little standard material from deconstruction can be marketed for resale beyond small market DIY purposes. Niche market heritage and wide plank lumber requires transporting, storing, and marketing, and sale or use is not guaranteed. Dimensional lumber from the Tectonica/NRES deconstruction project in 2021 sits unsold in a local reuse market yard in 2024. Further development of reuse markets for materials from deconstructed houses should be questioned, as it would further legitimize wasting houses.

Houses are built for use. “The greenest building is the one that already exists. Existing buildings represent embodied carbon (GHG emissions already expended), and they should be reused as long as possible.” From Accelerating building reuse would help Canada meet its Climate Targets. Retrieved from: https://policyoptions.irpp.org/magazines/july-2021/accelerating-building-reuse-would-help-canada-meet-its-climate-targets/

What Architects and Builders say about Reuse

Architects could design for reuse, yet they don’t. The discipline leans toward material longevity as a waste prevention strategy. “It is sensible to use wood resources for construction products whose lifespan is long (even over 100 years)” From: The wood from trees: The use of timber in construction. Retrieved from: https://www.sciencedirect.com/science/article/pii/S1364032116306050. Building to last could help conserve materials, yet architects also seem to agree that building lifespan

hovers at about 50 years. Build to last, but tear it down? Architects do what the client wants and money dictates.

Builders say “If we had a choice about reusing lumber, we would want to work with dimensional lumber from the 70’s to the 90’s (before glue and spray insulation).” Most new bylaws for preservation of dimensional lumber from demolition target old growth lumber in dwellings built before 1960. Solution X applied to Problem Y achieves…not much. Niche marketing for old growth lumber can be profitable, but uses for old growth wood are limited. Wealthy people like to have old growth coffee tables.

All attempted (re)use of wasted material defies Reuse by Design and pollution prevention principles.



Recycling was defined in the 60’s and 70’s as “reprocessing of waste into products, materials or substances, not necessarily for the original purpose, though it retains the possibility of being used for a similar purpose.” Recycling was designed to make use of “end of life” material, that could no longer perform its original task, in order to slow the accumulation of waste showing up in landfills. True story.

It was also thought that recycling could “save resources” if end of life materials were used to make similar or other useful products. Saving resources was never the promise to replace primary production using virgin materials. After decades of exhaustive experimentation, the fact remains: Recycling doesn’t replace primary virgin production of anything. All recycled material is a downgrade from the original virgin material. Some recycled content can be mixed with virgin materials to make a similar product, but recycled content ceilings are untested and will never match virgin content percentages. Recycling is also more costly and resource intensive, and cannot rival quality of virgin production.

Unlike Reuse, Recycling was designed for end-of-life waste. By definition, it won’t be what it was, but it might be something useful. Recycling wasted (end of use, not end of life) material is another matter.

Wasting materials before end of life and then finding some use for them, is not recycling.

- Wasted concrete is not recycled. It is crushed and used as road base or fill on private land.
- Wasted Asphalt is not recycled. Some is ground and used as new paving mix, most is used as road base or fill on private land.
- Asphalt shingles are not recycled into new shingles, but they can be used in paving mix. According to pavers, the product is difficult to use and has a shorter life span than virgin

asphalt. Asphalt shingles are often rejected for recycling, and more often sold as kiln fuel.

Unnecessary recycling uses more energy and resources while creating a more toxic product, and more waste and emissions. Recycling before end of life defies saving resources, and creates need/demand for more "useful" products made from recycled material. That's backwards. Today, waste and wasted supply far outweighs demand.

For all these reasons, recycling is useful only as a delay to landfill or other disposal.

Very little recycling occurs from new construction, renovation, deconstruction, or demolition. There are "potentially recyclable" leftovers from CRD, but collecting materials in a bin does not mean they will be recycled.

- It's too costly to sort, separate, haul, and pay tip fees.
- There is almost no technology for recycling CRD.
- Costs of recycling can't compete with revenue contracts for fuel supply or with cheap landfill tip fees.
- Recycling feedstock has little value: end products are low grade, and have low market demand.
- Recycled material cannot compete with virgin material price or quality.

Most products will be tossed into the single bin so they can be disposed as contaminated construction waste. Garbage is cheaper to manage than recycling.

That's why recycling, at this point, is helpful for the single purpose of delaying landfill. Design for recyclability is a corruption of the original purpose of recycling and a corruption of pollution prevention principles. Design for recyclability is planned obsolescence disguised as sliced bread.

Until there are nationally mandated definitions of recycling, the Wild, Wild Waste will prosper. Recycling does not include operations that use material as fuel to recover energy from waste. Burning materials—for fuel or energy—is disposal, not recycling. Supply of materials for burning usually produces revenue; that's an easy way to tell the difference. Supply of materials for fuel competes heavily with recycling, and may eventually replace recycling for some products. But, that's not a good enough reason to call it recycling.

What might get recycled from CRD:

- Metal is easily sorted and separated for recycling because of market value.
- Cardboard is sorted and separated for recycling, if market price is high.
- Drywall (sorted, date stamped or certified free of asbestos) can be transported to the mainland and recycled for a fee. About 35% of wasted drywall is recycled.

From: the most current data reported to ECCC is from 2010. Preliminary Resource Recovery Report Card and Gaps Assessment for Canada Final Report, 2020. Kelleher Environmental. Retrieved from https://www.canada.ca/content/dam/eccc/food-loss-and-waste/Kelleher-NRCan%20CE%20Report%20Card.pdf

It's a lost cause to think much construction waste can be recycled. It's a lost cause to think there are viable recycling markets for any amounts of construction waste.

If you like numbers:
All recycling delays landfill.

The only way recycling could permanently divert from landfill is if recycled material could be made back into the original product that then replaces primary production by 100% from now to infinity. We all know that's not possible. The best-case scenario for recycling being made into the original product is if 0 to 100% of product is collected for recycling, 80% (20% is normal loss to recycling process), gets recycled into 100% recycled content (most recycled content hovers around 10%). Then that has to replace primary production at 100%. It doesn't add up.

Example: Starting with 10 units, at 50% collection (a high global average), 5 units are collected, 20% is lost to normal recycling process, so 4 of 10 units will be recycled. Using current industry standard of production, 10% recycled content is added to 90% virgin content, so the 4 units will contain 10% recycled content. So far, "recycled" adds up to 10% of 40% of the original 10 units. The 6 uncollected units will be disposed/lost meaning 6 new units will be produced using 100% virgin content. All this activity has additional energy and waste collateral.

Given there is no established recycling stream for CRD waste, best case projections from established streams are irrelevant.



This category used to be called Resource Recovery. It is now called Energy from Waste or Waste to Energy, WtE. New language has hijacked purpose of this category.

Resource Recovery was designed to preserve material from products at true "end of life with no further potential as a whole product." Once the product could not be used for the original purpose, various materials in the product were to be preserved for other uses. Resource Recovery importantly acknowledged all resources as finite and depletable and encouraged extended use of all materials.

This category has undergone some of the most egregious uses of language and definitions to enable practices of incineration. Language of "finite and depletable" got replaced with "renewable." Recovery of materials has been corrupted and replaced with recovery of energy from burning materials. End of life is no longer criteria: the only requirement is for anyone to stop using something and call it "waste."

There is no imaginable reason why burning lumber for energy in a lumber mill to make more lumber should be acceptable.

Someone decided if waste is diverted from landfill and burned, and energy is “recovered” then the amount of waste is reduced. Burning the evidence doesn’t reduce waste that has been wasted. Ash makes a smaller pile than wood so people call WtE waste reduction, but “wasted” applies to the pile of wood. There is also no way to know if WtE reduces pollution. GHG’s from Waste to Energy are reported from the energy sector, giving the false impression that the practice reduces overall emissions from the waste sector. Canada’s energy sector reported increased emissions in 2023: emissions from the waste sector are unaccounted for. ECCC, 2021. National Inventory Report 1990-2021: Greenhouse Gas sources and sinks in Canada. Canada’s submission to the United Nations Framework Convention on Climate Change. Retrieved from: https://unfccc.int/ghg-inventories-annex-i-parties/2023

From: Sue Maxwell -ZWBC <smaxwell@zerowastebc.ca>
Sent: July 6, 2026 3:09 PM
To: Minister, ENV ENV:EX; Metro Vancouver Solid Waste Management Plan Update; pietro.calendino@burnaby.ca; Craig Hodge; muril@dnv.org; mayor@surrey.ca; sferguson@tol.ca; john.mcewen@anmore.com; jross@belcarra.ca; mayor@bimbc.ca; mayor@burnaby.ca; sav.dhaliwal@burnaby.ca; Craig Hodge; ttowner@coquitlam.ca; rbinder@delta.ca; dkruger@delta.ca; palbrecht@langleycity.ca; ewoodward@tol.ca; mayor.berry@lionsbay.ca; druimy@mapleridge.ca; nnakagawa@newwestcity.ca; CNV Mayor; nmacdonald@pittmeadows.ca; westb@portcoquitlam.ca; mlahti@portmoody.ca; clrzhou@vancouver.ca; Deb McKinnon; bmcnulty@richmond.ca; aloo@richmond.ca; ghepner@surrey.ca; harry.bains@surrey.ca; rob.stutt@surrey.ca; pardeep.kooner@surrey.ca; Doug Elford; lcassidy@tsawwassenfirstnation.com; ken.sim@vancouver.ca; clrdominato@vancouver.ca; Sarah.Kirby-Yung@vancouver.ca; clrbligh@vancouver.ca; clrkirby-yung@vancouver.ca; clrklassen@vancouver.ca; peter.meiszner@vancouver.ca; Mark Sager; mknight@whiterockcity.ca
Cc: michael.Wolfe@richmond.ca; Rosemary Wallace; Steve Darling; paul.weverink@anmore.com; dmarsden@coquitlam.ca; tbaillie@tol.ca; alison.gu@burnaby.ca; lwatt@westvancouver.ca
Subject: Feedback on Metro Vancouver's SWMP
Attachments: Feedback on the 2026 Metro Vancouver Solid Waste Management Plan.pdf

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Thank you for the opportunity to provide this feedback (attached).

Sue Maxwell
Chair, Zero Waste BC
[redacted]
smaxwell@zerowastebc.ca
www.zerowastebc.ca

Zero Waste BC is a non-profit society that has been championing Zero Waste since 2008 with a mission to drive systemic change towards Zero Waste in BC.
I humbly acknowledge that the land on which I live, work and play is in the unceded territories of the Skwxwú7mesh (Squamish Nation) and Lil'wat7úl (Lil'wat Nation).

ZERO waste
BRITISH COLUMBIA

July 6th, 2026

To the Metro Vancouver Board, zerowaste@metrovancouver.org + Minister Davidson

Feedback on the 2026 Metro Vancouver Solid Waste Management Plan

Zero Waste BC has been following the progress of the development of the updated solid waste management plan closely, with multiple members sitting on the Public Technical Advisory Committee (PTAC) (and its three working groups), two presentations to the Metro Vancouver Zero Waste Committee and working on two of the public engagement opportunities as partners. Our mission is to advance Zero Waste in British Columbia and so it is important to have a strong plan for the largest regional district in BC.

While we appreciate the enhanced effort that has gone into more robust engagement, we have serious concerns with this plan and the planning process. These issues include concerns around the process:

- The plan has taken far too long to develop (7 years for a ten year plan that was due n 2021).
- The planning process did not meet the Ministry guidelines. Additional review of how the plan compares to Ministry guidelines for waste planning and inclusion of waste to energy in a plan are in Appendix A.
- Input and feedback from the PTAC, the Industry Advisory Committee and the public was routinely ignored and very few changes were made as a result of the robust engagement process. This started with ongoing discussions about an appropriate hierarchy, definitions for recycling and diversion, lack of ambition in using the suggestions from the three working groups and concluded in ignoring the 98% of written submissions on the first draft of the plan which called for closing the incinerator (which included a petition of 375 individuals and 10 organizations). Written submissions also showed clear support for stronger targets, use of the Zero Waste hierarchy and investment in zero waste solutions rather than disposal.
- Notes from the Public Technical and Industry Advisory Committees routinely minimized advice on adopting the zero waste hierarchy and stopping incineration until the Independent Engagement Panel members started attending the meetings following complaints (see ZWBC's letter here).
- There was a lack of transparency on meetings with the Regional Engineers Advisory Committee, Regional Administrators Advisory Committee, Regional Waste Reduction Coordinators, and First Nations.
- Expert consultants were hired but they were not visible after the start of the process and their involvement was very limited.
- While there was the positive aspect of more focus on engaging people who may not have participated in the past, no engagement occurred on key regulatory measures that

would be needed for a successful plan, which was a missed opportunity and will cause more time delays before implementation.

- There was no analysis for local residual waste disposal options and no analysis of what continued use of the incinerator would cost (despite the fact that a condition assessment report was commissioned in 2023 - redacted version available here, obtained through a FOIPPA request only provided after the Board approved the plan despite a request starting in 2025). There was no analysis of costs, alignment with goals nor GHG or other impacts. When ZWBC provided an analysis using publicly available information, these were ignored or refuted with no supporting evidence.
- Metro Vancouver obfuscated on actual comparable costs of the four options (Zero Waste, Vancouver Landfill, Incinerator, external landfills). Additional information was provided to ZWBC under an FOIPPA request. (See our letter to the Metro Vancouver Board March 24, 2026 and spreadsheet used for calculations)
- While time was passing, contracts for the incinerator were getting locked in under the outdated old plan while Metro Vancouver continued to resist implementing pollution mitigation requirements that had been clear since 2011.

There are also fundamental problems with the plan:

- The targets are weak with most missing five year targets and using rolling averages so accountability will be poor.
- There are no firm commitments to deliver on the plan (senior staff continue to state to local elected officials that actions will be decided year by year by future boards). This "business casing" approach means that there is no point in having a plan, instead it is a list of unfunded options.
- The action timetables and budgets lack commitment and detail.
- The capital budget beyond the existing approved Metro Vancouver five year budget (which was developed and approved without input from the planning process) has no detail at all ($510 million capital costs added from draft 1 to draft 2 but does not state what this is for).
- See here for additional elements covered in the feedback provided to the PTAC.

To correct this, the plan should be amended to have:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
    a. Waste prevention
    b. Reuse and Repair
    c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.

   d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution
   e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

Overall the process has felt like a way to maintain the status quo with the outcomes predetermined. We recommend that neither the Metro Vancouver Board nor the Ministry approve this plan until the deficiencies are rectified. If the Ministry were to approve such a poor plan, it would only weaken all future plans across the province. It is also important to ensure that any changes to the existing incinerator or new disposal capacity be required to go through the amendment process before any work is started.

Sincerely,
Sue Maxwell
Board Chair
Zero Waste BC

ZERO waste BRITISH COLUMBIA

Appendix A- Comparing Metro Vancouver's draft SWMP to Provincial guidelines

The Metro Vancouver draft Solid Waste Management Plan and process have been compared to two sets of provincial guidelines: the first is for solid waste management planning and the second is for inclusion of waste to energy in a plan.

1. Comparison to the Provincial solid waste planning guidelines

https://www2.gov.bc.ca/assets/gov/environment/waste-management/garbage/swmp.pdf

Guidance	Adherence
A.2.3. Targets	Only one 5 year target and original draft had most targets over 10 years out.
B1.1. Initiate plan update	resolution in 2019
B1.2 Set up teams and committees, plan to engage with First Nations	Yes
B1.3 Design the consultation process	Yes, unclear on engagement with community interests (Community associations and ratepayers' groups: Chambers of commerce, local businesses and business associations, Consumer groups, Educational institutions, school districts); ICI interests, Out of region interests but other categories are represented. While the process meets the "adequate" consultation steps, it has failed to incorporate the feedback from the process into the plan
B.1.4. Develop the budget	Not public
B.2.1. Identify principles, goals and targets	Note that despite numerous suggestions to do otherwise, zero waste and circular economy are not in the guiding principles; it does not promote the first 3Rs; it does not mention preventing organics and recyclables from going to disposal; collaboration with other RDs, nor partnerships. Rationale for difference from provincial guidelines unclear (checklist point 9).
B.2.2 Prepare background information	Missing population forecast and waste forecast, economic base information, topography, section on climate

B.2.3. Assess the current solid waste management system	Fails to note the "international" and "special handle" waste and if it is approved for management at the incinerator; overview of Metro Vancouver's own system but almost nothing about the overall system (such as drive times and inclusion of municipal-run depots, existing reuse and reduction aspects, existing municipal policies, existing product stewardship programs and EPR collection locations, collection pathways by area and material, existing and planned solid waste management capacity including remaining capacity and critically: projected needs, and education programs -regional and municipal). The plan does not include a review of what is working well or not (strengths, areas for improvement, implementation of existing plan, meeting targets and information gaps). The plan does not identify drivers for its development (i.e., current challenges and opportunities for regional MSW management) (checklist point 10). The plan does not include an analysis of efficiency / consistency opportunities with other regional districts and any options that have been pursued. (checklist point 11). The plan has a map of Metro Van disposal facilities but is missing the location of non-disposal facilities, non-Metro Vancouver facilities and external facilities as well as closed landfills. (checklist point 12)
B.2.4. Consider trends affecting solid waste management	There is no section on the plan for this but should include: closure of facilities burning wood waste, stricter standards for emissions, increase in plastic packaging, expansion of EPR programs, impacts of federal and provincial plastic actions, increase in interest for refill and deconstruction and closure of incinerators in Oregon and California.(checklist point 14)
B.2.5. Consult the public	Consultations were held but feedback was routinely ignored. The version of the vision, principles and hierarchy approved had not been discussed by the Industry nor Public-Technical Advisory Committees.
B.3.1. Develop potential strategies	Strategies were suggested and some were evaluated. The evaluation process was obscure in terms of how the principles were defined and applied (for example, affordability was assumed to just refer to amount of tipping fees rather than the full costs that may be incurred or avoided such as through systems to minimize waste).

B.3.2. Assess the financial and administrative implications	There has been no financial analysis nor assessment of the administrative implications. The plan leaves it up to future Boards and their budgets to determine if any actions will take place. There is also the mention of the need for business cases for future actions meaning that most actions will take far longer and this plan does not commit the region to any actions. It also means that there has been no strategic look at what is the most cost effective way to manage waste with no information provided to decision makers except for an oddly contorted calculation for disposal costs for one anomalous year with no look to the future and not including the results of a maintenance assessment for the incinerator commissioned in 2023. Triple bottom line estimates have not been conducted. Note for borrowing, Metro Vancouver will need an approved plan that includes capital costs related to projects identified in plan. The first draft plan had the existing five year budget (with no provisions for any additional funds to enact actions) included but there were no details on capital costs and the second draft noted $900 million in capital costs but this was not substantiated with any details. These details need to be provided and consulted on before plan approval, and certainly before any borrowing occurs. None of the checklist point 17 criteria are met.
B.3.3. Consult the public and interested parties on the options	Consultations were held but feedback was routinely ignored.
B.4.1. Prepare draft plan	Despite intentions for additional transfer stations, the use of schedules has not been implemented meaning plan amendments will be more complex. Missing: An inventory of closed facilities, terms of reference for committees, product stewardship programs and collection facilities in the plan area, links to municipal and regional district bylaws respecting waste management, a listing of current tipping fee information. The plan does contemplate new facilities for management of MSW but does not describe a process for the development of the new recycling and waste centres. (checklist point 13)

	The plan has clearly defined roles for municipalities but less so for other actors. It is unclear if it has secured support for these from the member municipalities. It is also less clear on how the plan may support them. The risk analysis is weak. (checklist points 15 & 16) The plan does not lay out the environmental, social and economic impacts. (checklist point 18). The implementation schedule added for the second draft does not show when plan targets will be met (checklist point 21 and are being presented to the Board as possible time frame with the Board to decide if any of the actions will actually happen on a case by case basis in the future. There are no firm schedules nor plans to update schedules
B.4.2. Consult the public on the draft plan –"there should be a demonstration that interested parties were consulted during the development of the plan and that the outcome of consultation was considered in the finalization of the plan."	Consultations were held but feedback was routinely ignored. For example, 420 of 430 public comments =98% (including a petition and framework) called for the closure of the incinerator yet the response was to point to a flawed disposal cost calculation rather than a comprehensive, forward-looking residuals disposal option analysis. Note the consultation summary has not shown how the public consultation was used to influence the plan, the rationale for why each option was not being pursued, the impact on the neighbouring regional districts, nor the level of public support for each option. No consultation were held regarding any new bylaws (a missed opportunity especially given the length of the planning process).(checklist point 22)
B.4.3. Prepare final draft for submission	Note the second draft did not incorporate the intention or changes suggested in much of the feedback, in fact sometimes the changes were made in the opposite direction (for example, a call to remove energy recovery from the recovery section and ensure it focused on material recovery led to the material recovery aspect being deleted). In addition, a request for a comprehensive analysis and look at the risks of the incinerator led to a new strategic principle being added supporting "local waste management" without showing

	broad support for this in the feedback nor reflecting a triple bottom line analysis that would support it.

This was the most recent stage reached as of March 31, 2026.

2. **Comparing the plan to the Provincial guidelines for waste to energy**

https://www2.gov.bc.ca/assets/gov/environment/waste-management/garbage/wtefactsheet.pdf

Criteria

Guidance	Adherence
All Regional Districts that plan to direct a portion of their MSW to a WTE facility must seek an amendment to their SWMP, prior to considering WTE as a waste management option, that adds sufficient detail which:	
a) Identifies a municipal solid waste disposal rate target of 350 kg/capita/year with measurable interim targets set and met throughout the planning and implementation process;	The plan mentions a target of 350 k/person by 2031 but no measurable interim targets are set nor a concrete plan for how to meet this target (no schedule outlining financial, staff and other resources to be used to implement the plan. In fact, the budget requirements are being left to future business cases and future board approvals. Also, the plan notes it will use rolling five year averages making it harder to see effective changes. The muddying of the water by including some forms of recovery as not being included in "disposal" means that clarity on what is included or not in the calculations will be important.
b) Highlights that WTE planning and capacity is conducted only after considering the higher levels of the hierarchy and does not impede efforts to achieve higher levels of reduction, re-use and/or recycling initiatives; and	Despite strong support for actions at the higher levels of the hierarchy at the Public Technical Advisory Committee and in public feedback, this plan remains committed to high levels of spending and resource dedication to burning waste rather than preventing it. The financial resources required to maintain the incinerator are at the expense of meaningful actions on reduction, reuse and recycling.

c) Authorizes the WTE facility to accept MSW for treatment and/or disposal.	While the plant is authorized to accept MSW, there remains the outstanding requirement for research and engagement to update the Operational Certificate.
The guide further notes:	
In order to be considered under the 4th R of the hierarchy, the Ministry expects that the facility has an energy efficiency of at least 60% as measured over a 12-month period. When a WTE facility does not achieve 60% energy efficiency over a period of 12 months, the Ministry will consider that WTE facility as a Residual Management facility (5th R)	The facility has never met this criteria and the plan acknowledges that the incinerator is a form of disposal. However the plan includes a goal to focus on recovery using other waste to energy that it will claim to be a form of recovery without proving that it would meet this consideration.
The Ministry expects that the criteria in Table 1 be met for all WTE facilities*:	
Local governments contributing MSW to a facility must have an approved SWMP that authorizes and/or recognizes the WTE facility to accept and dispose of MSW. The SWMP is expected to include a municipal solid waste disposal rate target of 350 kg/capita/year before considering the use of WTE technologies for managing MSW. In addition, the SWMP should prioritize strategies that would help reduce, reuse and recycle waste, and ensure that WTE is not impeding these efforts.	Key aspects are noted above . In addition, the plan is not as clear as it should be on where materials will flow for disposal, including to cement kilns and pulp and paper mills.
Assessment and comparison of waste management treatment and disposal options should be completed.	This has not been done. The Residual Disposal Options Analysis was vague, not locally specific, not looking at best practices, and did not look at effectiveness, costs nor options higher on the hierarchy.
Adopt the best achievable technology. This should be determined by assessing feasible options based on reliability, cost effectiveness and discharge intensity.	This was not done. In addition, a report commissioned in 2023 to look at the maintenance and capital requirements for the incinerator has yet to be completed and thus did not

	inform the plan. Recent reliability issues were also not noted in the plan.
Clearly identify viable solutions for disposal or beneficial use of bottom ash, fly ash and/or liquid by-products.	The proposed use of bottom ash does not adhere to the precautionary principle and the destination for fly ash is not clear on if the material is going to a landfill designed to handle hazardous waste.
The emissions from a facility must meet the Ministry's Factsheet Air Emissions Combustion of Municipal Solid Waste and emission requirements set out in the site specific authorization for the facility.	The facility does not meet the Ministry's Factsheet Air Emissions Combustion of Municipal Solid Waste despite this factsheet being released in 2011 and giving clear warning that existing facilities should comply by 2013. The emission requirements for the Operational Certificate may be met however Metro Vancouver has long been resisting adoption of the 2011 requirements, with subsequent deadlines set for 2025 (unmet) and 2028 (appealed). The result is that now Metro Vancouver must conduct research and engagement to establish new parameters. It should be noted that other jurisdictions have stronger requirements and the factsheet notes "As other jurisdictions update emission limits for MSW combustion facilities and technologies and techniques improve, the Ministry will update the guideline as appropriate".

* The guide states "This information applies to thermal treatment technologies such as mass-burn incineration (including **cement kilns and pulp and paper mills**), gasification and pyrolysis that recover energy from MSW, but does not apply to anaerobic digestion and agricultural greenhouses and does not describe site specific requirements of proposed facilities" (emphasis ours).

Conclusion

The Ministry should not approve the plan as is as several key steps have been missed and requirements remain unmet.

From: Catarina Moreno [redacted]
Sent: July 7, 2026 8:34 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: feedback on the Metro Vancouver Solid Waste Management Plan

Follow Up Flag: Follow up
Flag Status: Completed

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Hi,

My key feedback is to amend the plan to include:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
    a. Waste prevention
    b. Reuse and Repair
    c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution
    e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

Thanks,
Catarina

From: Katherine Maas [redacted]
Sent: July 7, 2026 4:34 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: Urgent Feedback on the Final Metro Vancouver Solid Waste Management Plan

Follow Up Flag: Follow up
Flag Status: Completed

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

As the deadline for submitting final feedback on the Metro Vancouver Solid Waste Management Plan approaches on August 1, 2026, I am writing to express my deep concerns about the plan's failure to address critical challenges and to urge immediate revisions.

Despite extensive collective efforts—including participation in the Public Technical Advisory Committee, hosting engagements, conducting analysis, meeting with Metro Vancouver staff and elected officials, submitting a petition with over 350 signatures calling for the closure of the incinerator and a shift toward zero waste, and providing feedback on the draft plan—I am disheartened to see that the final plan does not reflect the key issues raised.

To ensure the plan aligns with the principles of sustainability, accountability, and public health, I urge the following amendments:

1. Adopt the Zero Waste Hierarchy and Definition: Center this framework in the plan to prioritize waste reduction, reuse, and recycling over disposal.
2. Set Ambitious Targets: Establish clear, time-bound interim targets to track progress toward zero waste.
3. Phase Out the Incinerator: Develop a concrete plan to phase out the incinerator, or, at minimum, provide a detailed analysis of residual disposal options, including their social, environmental, and financial impacts.
4. Comprehensive Zero Waste Plan: Include a clear roadmap for:
    - Waste Prevention: Reducing waste at the source.
    - Reuse and Repair: Expanding programs to extend the lifespan of products.
    - Recycling and Composting: Enhancing programs to ensure simplicity, consistency, and accessibility for all sectors, including multifamily residences, businesses, institutions, and industries.
    - Reducing Toxicity: Implementing measures to decrease the use of hazardous materials and emissions.
    - Enforcement: Strengthening existing bans with inspections, clear bag requirements, and mandatory source separation.

5. Consumption-Based Emissions Metrics: Incorporate metrics to assess the environmental impact of consumption patterns and align actions with climate goals.

6. Commitment to Transparency: Ensure regular reporting using zero waste definitions for recycling. Diversion rates must exclude items sold as fuel or burned for energy, as these do not represent true waste reduction.

The Ministry of Environment will play a pivotal role in approving this plan. We urge you to prioritize these amendments to create a sustainable, equitable, and transparent waste management strategy for Metro Vancouver.

I appreciate your attention to this urgent matter.

Sincerely,

Katherine Maas

--
Katherine Maas
[redacted]

You will observe with concern how long a useful truth may be known and exist before it is generally received and practiced on. — Benjamin Franklin

From: Jamie Kaminski <Jamie@hsrzerowaste.com>
Sent: July 8, 2026 10:11 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: ENV.Mail@gov.bc.ca; DM.ENV@gov.bc.ca
Subject: HSR Zero Waste Feedback Metro Vancouver's March 2026 Draft SWMP
Attachments: HSR_Zero_Waste_Response_MV_March_2026_Draft_SWMP.pdf

Follow Up Flag: Follow up
Flag Status: Completed

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear recipient;

Please ensure this submission is included in the record for the Metro Vancouver Draft Solid Waste Management Plan and forwarded to the Ministry of Environment and Parks staff responsible for review and approval of the Plan.

Sincerely,

Jamie Kaminski, ZWa & TRUE Advisor
President
HSR Zero Waste

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jamie@hsrzerowaste.com
hsrzerowaste.com
Port Coquitlam, BC, V3C 1K6

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We acknowledge that Happy Stan's Recycling Services Ltd operates from the traditional, ancestral and unceded territory of the kʷikʷəƛ̓əm (Kwikwetlem), səlilwətaɬ (Tsleil-Waututh), xʷməθkʷəy̓əm (Musqueam), Sḵwx̱wú7mesh (Squamish), q̓ic̓əy̓ (Katzie), q'ʷa:n̓ ƛ'ən̓ (Kwantlen), qiqéyt (Qayqayt), and Stó:lō (Sto:lo) Peoples,

and extend appreciation for the opportunity to work on this territory.

HSR Zero Waste Response

Metro Vancouver's 2026 Solid Waste Management Plan

Prepared by Jamie Kaminski, President

HSR Zero Waste / Happy Stan's Recycling Services Ltd.

July 8, 2026

Core message

The plan includes more language on prevention, reuse and recycling, but it still does not provide the funding, enforcement, accountability and infrastructure direction needed to achieve meaningful progress before materials enter the disposal system.

To: Metro Vancouver Board of Directors and Zero Waste Committee

Cc: BC Ministry of Environment and Parks

Subject: HSR Zero Waste comments on Metro Vancouver's March 2026 Draft Solid Waste Management Plan

HSR Zero Waste Response to the Final Draft Solid Waste Management Plan

HSR Zero Waste appreciates the opportunity to provide further comments on Metro Vancouver's March 2026 Draft Solid Waste Management Plan. We have participated in this process over multiple stages and have provided previous submissions focused on waste hierarchy, measurement, enforcement, funding, residual waste, and the evidentiary basis for continued reliance on the Burnaby Waste-to-Energy Facility.

This response is intended to continue and supplement HSR Zero Waste's previous comments. It also reflects our review of the final draft plan, the issues raised by Zero Waste BC, and recent international discussion on responsible residuals management, including biological stabilization before landfilling.

The final plan includes expanded discussion of waste prevention, reuse, recycling, organics, construction and demolition materials, and circular economy language. HSR recognizes these additions. However, the plan still lacks several of the practical commitments needed to achieve meaningful progress in those areas. It also continues to rely heavily on downstream disposal and post-disposal activities to achieve many of its desired outcomes.

Core concern

The plan says more about preventing waste, but it does not sufficiently shift funding, enforcement, staff resources, regulatory effort, or infrastructure planning toward preventing discards and waste before they enter the disposal system.

Summary of HSR assessment

Limited improvements acknowledged: The final plan includes clearer targets, some sector-specific diversion targets, stronger focus areas, and more discussion of prevention, reuse, organics, plastics, construction and demolition materials, accessibility, and public reporting.

Core recommendations remain unresolved: HSR's central recommendations on diversion accounting, the Zero Waste Hierarchy, enforceable delivery mechanisms, dedicated upstream investment, black/opaque bag inspection, and the evidentiary basis for long-term incineration reliance have not been fully addressed.

Residuals management remains incomplete: The plan continues to focus on energy recovery, landfill gas utilization, bottom ash use, and optimization of existing disposal facilities. It does not establish residuals management as a harm-reduction function, nor does it evaluate biological stabilization before landfilling.

Approval should be conditional: HSR does not recommend approval of the plan in its current form without revisions or approval conditions that address the issues below.

Relationship to HSR's previous submissions

The table below summarizes key HSR recommendations and how they are addressed in the final plan.

HSR recommendation	Final plan response	HSR assessment
Adopt clear definitions and align accounting with the Zero Waste Hierarchy.	The plan distinguishes recycling and diversion, but diversion still includes materials used to create alternatives to fossil fuels.	Not resolved.
Do not count recovery after disposal as diversion.	The plan continues to credit recovered materials and fuel-substitution pathways within diversion-related reporting.	Not resolved.
Set sector-specific targets and reporting for residential, IC&I, and C&D.	The plan adds sector-specific diversion targets for 2036 and 2050.	Partially addressed; interim targets and separate annual public reporting are still needed.
Strengthen disposal bans and inspection systems.	The plan references disposal ban enhancements and potential clear bag policies, but does not commit to inspectable loads or systematic black/opaque bag inspection.	Partially addressed; not yet a delivery commitment.
Shift investment toward prevention, reuse, repair, and source separation.	The plan discusses these areas, but current expenditure allocation remains heavily weighted toward recover and dispose.	Not resolved.
Provide a clear evidentiary basis for continued long-term use of the Burnaby Waste-to-Energy Facility.	The plan continues to rely on the facility and district energy projects, but does not provide the requested lifecycle, financial, regulatory, and residual waste scenario analysis.	Not resolved.
Align residuals management with environmental harm reduction.	The plan discusses disposal capacity, energy recovery, landfill gas, and bottom ash beneficial use, but does not establish harm reduction as the primary residuals objective.	Not resolved.

1. Waste hierarchy and recovery language remain problematic

The plan continues to use a Metro Vancouver hierarchy that includes energy recovery as a level above disposal. HSR does not support this approach. Energy recovery, refuse-derived fuel, use of discards in cement kilns, and other fuel-substitution pathways destroy materials and remove them from productive material circulation. These activities should not be presented as equivalent to recycling, composting, or material conservation.

If Metro Vancouver chooses not to adopt the Zero Waste Hierarchy, the plan should clearly explain that it is using an alternative waste hierarchy and should avoid implying that energy recovery is part of a Zero Waste approach. More importantly, the performance metrics must not reward fuel substitution or energy recovery as diversion.

2. Diversion accounting must be corrected

HSR's most significant remaining concern is the treatment of recovery and diversion. The plan defines the diversion rate as including material recycled plus material used to create alternatives to fossil fuels. This blurs a critical distinction between source-separated recycling and downstream recovery or fuel substitution.

Diversion should measure materials prevented from entering disposal through waste prevention, reuse, source-separated recycling, and source-separated composting or anaerobic digestion. Once a material has entered the residuals or disposal system, the opportunity for diversion has passed. Any recovery after that point may still provide environmental benefit, but it should be reported separately.

This is particularly important for materials recovered from incinerator ash, bottom ash used in construction materials, refuse-derived fuels, and materials sent to cement kilns or other industrial combustion processes. Counting these pathways as diversion creates a poor precedent by encouraging jurisdictions to improve reported diversion statistics through post-disposal recovery rather than preventing disposal in the first place.

3. Funding and implementation remain weighted toward downstream management

The final plan includes substantial language on prevention, reuse, repair, circular economy, and recycling. However, the financial and implementation framework does not demonstrate a comparable shift in resources toward those outcomes.

Metro Vancouver's own expenditure table shows $5.5 million allocated to Rethink, Reduce, and Reuse compared with $120 million allocated to Recover and Dispose in the 2026 operating budget. The plan also states that many actions will be brought forward later through annual budget processes and business cases. This means that many of the actions most important for prevention and reuse remain dependent on future decisions rather than being committed within the plan itself.

HSR is not suggesting Metro Vancouver must own or operate every reuse, recycling, repair, composting, or processing system. Many of these systems are best delivered by private industry, non-profits, producer responsibility organizations, social enterprises, member jurisdictions, First Nations, and community partners. However, the plan should clearly show how Metro Vancouver will help these systems develop and perform through policy, procurement, regulation, land-use support, data collection, market development, partnerships, targeted funding, and enforcement.

4. Sector-specific targets need stronger reporting and accountability

HSR supports the addition of sector-specific diversion targets for single-family, multi-family, commercial/institutional, and construction and demolition sectors. This is an improvement from prior drafts.

However, sector targets need to be supported by separate annual reporting, interim targets, and action-specific accountability. Construction and demolition diversion should not be used to mask underperformance in residential, multi-family, or IC&I systems. The plan should report generation, disposal, recycling, composting, recovery, and contamination by sector wherever data allows.

Metro Vancouver should also report total tonnes alongside per-capita metrics. Per-capita targets are useful, but total generation and total disposal remain important for infrastructure planning, greenhouse gas impacts, and public accountability.

5. Disposal bans and inspections require stronger commitments

HSR continues to recommend stronger use of Metro Vancouver's existing disposal bans and inspection authorities. Education alone will not deliver the required level of source separation across multi-family, IC&I, and construction and demolition sectors.

The plan should require loads to be meaningfully inspectable. This can be achieved through clear bag requirements, limits on opaque bags, safe protocols for opening and inspecting black bags, or other inspection systems that prevent bagged waste from bypassing enforcement. Non-inspectable loads should not receive an automatic pass.

The plan should include inspection frequency targets, standardized inspection protocols, public reporting of inspection outcomes by material and sector, escalating consequences for repeat offenders, and compliance plans for generators or haulers with repeated banned-material violations.

6. Continued reliance on the Waste-to-Energy Facility remains insufficiently justified

HSR previously requested the evidentiary basis for continued inclusion of the Burnaby Waste-to-Energy Facility as a necessary component of the plan. The final plan does not provide a sufficient response.

The facility is an aging mass-burn incinerator that handles roughly a quarter of the region's garbage and produces significant quantities of fly ash and bottom ash. The plan describes electricity generation, metals recovery, district energy, and potential beneficial use of bottom ash. These descriptions do not demonstrate that continued operation through the plan horizon is necessary, lower risk, or preferable to other residual management pathways under realistic waste reduction scenarios.

Metro Vancouver should provide transparent comparative analysis of residual management options, including lifecycle financial costs, capital reinvestment, emissions, ash management, regulatory risk, public health considerations, enforceability of disposal bans, climate alignment, and the consequences of declining residual volumes. If the facility remains in the plan, the plan should include a pathway to reduce dependence on it as prevention, reuse, recycling, and organics diversion improve.

7. Residuals management should focus on minimizing harm

Once materials enter the residuals management system, the policy objective should shift. The goal should no longer be improving diversion statistics or maximizing energy recovery. The primary objective should be minimizing further harm to human health and the environment.

This means reducing pollution, minimizing greenhouse gas emissions, preventing leachate and air impacts, safely containing hazardous constituents, managing ash and other residuals conservatively, and reducing long-term environmental liability. Recovery of recyclable materials from residuals can still provide environmental benefit, but it should remain secondary to harm reduction and should be reported separately from diversion.

The plan should clearly distinguish between pre-disposal material conservation and post-disposal residual management. Without this distinction, the plan risks treating downstream correction as if it were equivalent to successful waste prevention or recycling.

8. Biological stabilization before landfilling should be evaluated

HSR recommends that Metro Vancouver add biological stabilization of fermentable residual materials before landfilling to its residuals management work program. This should be considered as part of responsible landfill management and residual harm reduction, not as diversion.

International discussion and European practice increasingly recognize that landfilling untreated residual waste can create avoidable methane, leachate, odour, and long-term management risks. Mechanical-biological treatment or biological stabilization can reduce the biological activity of residual waste before landfilling. In some systems, anaerobic digestion may be used to recover biogas, but final stabilization of mixed residual organics generally requires an aerobic step before landfilling.

Metro Vancouver should study whether biological stabilization is appropriate for residual waste streams that cannot currently be prevented, reused, recycled, or composted. The study should evaluate environmental benefits, costs, emissions, land requirements, technology options, compatibility with the Vancouver Landfill and remote landfills, and potential impacts on disposal capacity. Any stabilized residuals must still be reported as disposal, not diversion.

9. Plan approval should require conditions or revisions

HSR does not recommend approval of the plan as currently written. At minimum, the Metro Vancouver Board and the Ministry of Environment and Parks should require revisions or approval conditions addressing the issues in this submission.

HSR also recommends that significant changes to disposal infrastructure, Waste-to-Energy Facility operations, bottom ash beneficial use, major residual treatment facilities, new disposal capacity, or long-term disposal contracts be subject to transparent public review and, where appropriate, plan amendment processes before implementation.

Recommended revisions before approval

HSR Zero Waste recommends that Metro Vancouver revise the plan, or that Ministry approval include conditions requiring Metro Vancouver to:

1. Adopt the Zero Waste Hierarchy and definitions, or clearly state where Metro Vancouver's hierarchy differs and ensure performance metrics do not reward energy recovery or fuel substitution as diversion.
2. Revise diversion accounting so that diversion includes only prevention, reuse, source-separated recycling, and source-separated composting or anaerobic digestion. Post-disposal recovery should be reported separately.
3. Create separate public reporting for residential, multi-family, IC&I, and construction and demolition sectors, including total tonnes generated, recycled, composted, recovered, and disposed.
4. Set clear interim targets within the plan period, not only 2036 and 2050 targets, and identify corrective actions if targets are not being met.
5. Establish a funded implementation schedule for waste prevention, reuse, repair, source separation, organics, recycling, and construction and demolition material reduction, including assigned responsibility and staff/resource requirements.
6. Strengthen disposal bans through clear or inspectable bag requirements, standardized inspection protocols, increased inspection frequency, public reporting, and escalating enforcement.
7. Provide a transparent comparative residual management analysis, including lifecycle financial, environmental, regulatory, public health, climate, and enforcement considerations for the Waste-to-Energy Facility, Vancouver Landfill, remote landfills, biological stabilization, and other options.
8. Develop a strategy to reduce long-term reliance on mass-burn incineration as waste prevention and source separation improve.
9. Evaluate biological stabilization of fermentable residual materials before landfilling as part of responsible landfill management and residual harm reduction.
10. Apply the precautionary principle to bottom ash, fly ash, and any proposed beneficial use of incinerator residues, including full transparency on testing, destination, liability, and long-term environmental risk.

11. Ensure major disposal infrastructure changes, bottom ash use, new residual treatment facilities, or long-term disposal contracts are subject to public review and plan amendment where appropriate.

Conclusion

Metro Vancouver's March 2026 Draft Solid Waste Management Plan includes more language on prevention, reuse, recycling, and circular economy than earlier drafts. However, the plan still does not provide the funding, enforcement, accounting, implementation, and residual management framework needed to deliver meaningful progress in these areas.

The plan should prevent discards and waste before they enter the disposal system. When materials do enter the residuals system, the plan should focus first on minimizing harm to human health and the environment. Energy recovery, ash use, fuel substitution, and other post-disposal recovery activities should not be used to inflate diversion or obscure the need for stronger upstream action.

HSR Zero Waste respectfully requests that the Board and the Ministry require revisions or approval conditions before the plan is accepted.

Sincerely,

Jamie Kaminski
President
HSR Zero Waste / Happy Stan's Recycling Services Ltd.

Documents reviewed and referenced

- Metro Vancouver, Draft Solid Waste Management Plan, March 2026.
- HSR Zero Waste, Proposed Framework for Metro Vancouver's Next Solid Waste Management Plan, February 17, 2026.
- HSR Zero Waste, Six Structural Corrections Required in the Draft Solid Waste Management Plan, 2026.
- HSR Zero Waste, Request for Evidentiary Basis for Continued Inclusion of Burnaby Waste-to-Energy Facility, February 17, 2026.
- HSR Zero Waste, Evidentiary Basis and Policy Alignment - Draft Solid Waste Management Plan, 2026.
- Zero Waste BC, Feedback on the 2026 Metro Vancouver Solid Waste Management Plan, July 6, 2026.
- Zero Waste International Alliance, Zero Waste Hierarchy 8.1, 2025
- Matthias Kuehle-Weidemeier, Basics of MBT and Waste Management System in Germany, International Symposium MBT 2005.

From: Lilly Woodbury <lwoodbury@surfrider.ca>
Sent: July 14, 2026 1:37 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: Minister, ENV ENV:EX
Subject: Concerns about Metro Vancouver's Draft Solid Waste Management Plan

Follow Up Flag: Follow up
Flag Status: Completed

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Hello,

we hope this email finds you well. I'm reaching out on behalf of Surfrider Foundation Canada, a Canadian charity dedicated to the protection and enjoyment of the ocean, beaches and waves, for all people.

The final Metro Van Solid Waste Management Plan is still missing crucial zero waste elements. Despite our efforts (alongside many other organizations) to engage in this process and give feedback, there are still major gaps in the final plan.

Our key concerns and recommendations include the points below, which we urge you to address in the Solid Waste Management Plan:

1. Use the Zero Waste Hierarchy and definition in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action. Eliminate the goals for recovery in favour of more work on reduction.
2. Set ambitious targets to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future beyond the time frame of the plan.
3. Commit to phasing out the Burnaby incinerator. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets. The waste burner is also one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. Dioxins have been found in high concentrations on the incinerator roof and nearby rooftops. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. Firmly commit to not building or using any new incineration or thermal treatment facilities.
4. Invest in zero waste solutions such as redesign, reduce, repair, reuse, composting and recycling. Ensure the plan actions are beyond just testing, encouraging and piloting to be more active such as implement, enact, develop, etc. Actions should include:
    - Waste prevention such as cutting unnecessary packaging and preventing food waste.
    - Reuse and Repair: making it easier so unusable items do not get thrown out.
    - Recycling and Composting: enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    - Reducing toxicity: include actions to decrease the use of toxic materials as well as the emission of toxic pollution

    - Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation.
5. Measure and work to reduce the climate footprint of materials by including consumption-based emissions on the planning and proposed actions.
6. Establish and commit to a timeline for the actions and the associated budget to ensure the plan can be implemented.
7. Pledge to be transparent – report waste performance clearly so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.
8. Spend money wisely and invest in the future- choose solutions that reduce waste without locking the region into expensive disposal systems.

We can meet anytime to discuss these points in greater detail.

Many thanks,

--
Lilly Woodbury
Campaigns and Storytelling Director
Surfrider Foundation Canada
[redacted]
205 - 633 Courtney St., Victoria, BC V8W 19B
Pronouns: she/her
Become a Member Today!

I respectfully acknowledge the traditional unceded territories of the ʕaaḥuusʔatḥ (Ahousaht), hiškʷiiʔatḥ (Hesquiaht First Nation), ƛaʔuukʷiʔatḥ (Tla-o-qui-aht First Nations), tukʷaaʔatḥ (Toquaht Nation) and Yuułuʔiłʔath (Ucluelet First Nation) peoples on which I live.

From: Elizabeth Kerklaan [redacted]
Sent: Friday, July 10, 2026 7:28 PM
To: Metro Vancouver Solid Waste Management Plan Update <zerowaste@metrovancouver.org>
Subject: Re: feedback on Solid Waste Plan

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Hello:
I am writing with regards to the Solid Waste Plan. I feel the targets it sets are not very ambitious considering how advanced climate change is already. We need to act much faster than the plan currently indicates. I would like to see a plan for the phasing out of the incinerator.
Burning of waste is a significant contributor to greenhouse gas emissions.
Thank you for your consideration,
Elizabeth Kerklaan
[redacted]

From: Jane Paddon [redacted]
Sent: July 16, 2026 8:09 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Solid waste management.

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear sir,

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
   a. Waste prevention
   b. Reuse and Repair
   c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
   d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution.
   e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

From: [redacted]
Sent: July 15, 2026 3:38 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: Metro Vancouver's Solid Waste Management Plan

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The final plan to be submitted to the province does not address any of the key challenges of the plan, including still running the incinerator. Please amend the plan to:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.

2. Set ambitious targets in the time frame of the plan with clear interim targets.

3. include a phase-out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).

4. include a clear plan for timing, staffing and funding of zero waste solutions including:
   a. Waste prevention
   b. Reuse and Repair
   c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
   d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution.
   e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.

5. Include of consumption-based emissions metrics associated with actions. 6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

sincerely Sheila Adams [redacted]

From: burns [redacted]
Sent: July 16, 2026 7:46 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.ca
Subject: Shut down the Metro Vancouver Incinerator

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Zero Waste,
I note that the final plan on the Metro Vancouver Incinerator does not address any of the key challenges of the plan. It definitely does not provide for the shutting down of this incinerator. I therefore write to urge you to amend the plan to include:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
a. Waste prevention
b. Reuse and Repair
c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution.
e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

This is important for the health of all those living in the Metro Vancouver area. Air quality affects life and longevity.

_____
Susan Burns
[redacted]

From: Trevor Leyenhorst [redacted]
Sent: July 19, 2026 10:51 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: info@zerowastebc.ca; env.minister@gov.bc.ca
Subject: Re: Feedback | Metro Vancouver Solid Waste Management Plan

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

Dear Waste Services Team and the Honourable Tamara Davidson,

Thank you for accepting feedback on the management plan. Such a huge undertaking!

Despite a circular economy focus, the plan needs these improvements:

1. Use and integrate the Zero Waste Hierarchy and definition.
2. Set ambitious targets in the time frame of the plan with clear interim targets (ie. SMART goals).
3. An incinerator phase-out plan (or at least a clean detailed analysis for residual disposal with social, environmental, and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
   a. Waste prevention.
   b. Reuse and Repair.
   c. Recycling and Composting. (Enhance programs to be simple and consistent to properly capture clean materials. Multifamily, business, institutions, industry and construction locations need to have better programs and services.)
   d. Reduced toxicity. (Actions to decrease the use of toxic materials as well as the emissions of toxic pollution.)
   e. Enforced and enhanced existing bans with more inspections, a requirement for clear bags, and mandatory source separation.
5. Consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold-as or burned-for fuel.

Thank you for your consideration! Wishing you all the best in this last phase of plan approval. Please keep your eye on the far future for the sake of our kids, their kids, and their kids' kids.

Trevor Leyenhorst
[redacted]

[redacted]

From: Dayton Skei <dayton@evergeninfra.com>
Sent: July 21, 2026 2:12 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Draft SWMP Comment

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Hello all,

I had one point I wanted to make for the Draft Solid Waste Management Plan.

Section 4.2.2 mentions the need to "Support the development of additional local organics processing through leveraging Metro Vancouver procurement processes for organics management."

It should be noted that there is significant organic waste processing capacity already in the Lower Mainland, Sea to Sky corridor and Interior all of whom currently process organics from Metro Vancouver and the FVRD. The addition of an additional organic's processing facility would be detrimental to existing facilities that are already in need of additional organic waste tonnages.

What would be more valuable and economical is to have Metro Vancouver outline and present it's organic waste disposal requirements to the Waste Industry. The Waste Industry will be able to provide processing solutions without requiring Metro Vancouver to build additional infrastructure.

Thank you,

Dayton Skei, Director of Sales
EverGen Infrastructure Corp.
[redacted]
E: dayton@evergeninfra.com

About EverGen Infrastructure Corp.
EverGen is a sustainable infrastructure platform established in 2020 to acquire, develop, build, own and operate renewable natural gas and waste to energy infrastructure projects in British Columbia and other regions in North America.

From: Dayton Skei <dayton@evergeninfra.com>
Sent: Thursday, July 30, 2026 10:06 AM
To: Terry Fulton <Terry.Fulton@metrovancouver.org>
Subject: EverGen Infrastructure Call Follow Up

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Hi Terry,

Thanks again for the call yesterday. I have included some of the items we discussed below.

FVRD's Waste Wise Series - here is the link for the video we made a while back with the FVRD for organics processing in the region. They also have ones for garbage and recycling. We would be more than happy to do something similar for MV.
https://youtu.be/anZSuH_SqK8?si=lbC6-BQUE7DyslBu

Pacific Coast Renewables High-Solids AD Facility - here is the technology that we are going to be installing. Constructed by Q4 2027 and commissioned in Q1 2028.
https://www.thoeni.com/en/sustainable-solutions/environmental-engineering/

It would be great to have you and some of the MV team come for a tour of one or both of our Abbotsford organics processing facilities, Pacific Coast Renewables and Fraser Valley Biogas. While we do not process SSO or ICI at Fraser Valley Biogas, we do process plenty of organic slurries (DAF, grease trap wastes, dairy sludges) from MV. Feel free to send some times that work for you and the team and we can get something put into the calendar.

Compostable straws - PlantLoop Biotech (Richmond) has started selling their backyard compostable plant-based straws. Some businesses in Whistler are trying them.
https://www.plantloop.eco/

Looking forward to having discussions with IAC members in Fall on how much processing capacity is needed to drop the threshold of allowable organics in the garbage from 25% to 5%.

Cheers,

Dayton Skei, Director of Sales
EverGen Infrastructure Corp.
C: +1.778.899.2658
E: dayton@evergeninfra.com

EVERGEN
Infrastructure Corp.

About EverGen Infrastructure Corp.

EverGen is a sustainable infrastructure platform established in 2020 to acquire, develop, build, own and operate renewable natural gas and waste to energy infrastructure projects in British Columbia and other regions in North America.

From: Juliana Janot [redacted]
Sent: July 22, 2026 7:09 PM
To: Metro Vancouver Solid Waste Management Plan Update; env.minister@gov.bc.ca

Follow Up Flag: Follow up
Flag Status: Completed

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Dear Metro Vancouver and provincial government staff,

I'm a resident of Vancouver concerned about the improvement of zero waste practices in the city and I'm writing to submit feedback for amending the Metro Vancouver Solid Waste Management Plan.

I believe the following priorities should be included:

1. Use the Zero Waste Hierarchy and definition. Have this centred in the plan.
2. Set ambitious targets in the time frame of the plan with clear interim targets.
3. A phase out plan for the incinerator (or failing that a clean detailed analysis for residual disposal with social, environmental and financial impacts for all options).
4. A clear plan for timing, staffing and funding of zero waste solutions including:
   a. Waste prevention
   b. Reuse and Repair
   c. Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
   d. Reducing toxicity - actions to decrease the use of toxic materials as well as the emissions of toxic pollution.
   e. Enforcing and enhancing existing bans with more inspections, a requirement for clear bags and mandatory source separation.
5. Inclusion of consumption-based emissions metrics associated with actions.
6. A commitment to transparency with clear, regular reporting and using the zero waste definitions for recycling. Diversion should not include any items sold as or burned for fuel.

Thank you for your consideration. Have a great rest of your week.
Best,
Juliana

--
Juliana Janot
[redacted]

I acknowledge with gratitude that I live and work on the traditional, ancestral, and unceded land of the xwməθkwəy̓əm (Musqueam) peoples.

From: Virginia Ayers [redacted]
Sent: July 22, 2026 11:59 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: Inadequate plan for management of solid waste in Metro Vancouver

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

To:
Metro Vancouver;
The Honourable Tamara Davidson, Minister of Environment and Parks;
The Honorable NLA Jennifer Whiteside;
His Worship Patrick Johnstone Mayor of New Westminster

Please plan for the far future
using **ambitious targets**
and **effective education** as you manage waste.

Education
1. Use the Zero Waste Hierarchy and definition. Promote widely in schools and stores.
2. Simple and consistent composting and recycling in all streams.
3. Reduce use of toxic materials in industry, institutions/govt, businesses, homes.
4. Inspect and enforce to increase effectiveness of bans and separation.

Targets
1. Phase out the incinerator; with options for timing and interim disposal of residue.
2. Transparent funding of zero waste solutions - with timing and staffing.

We can do so much more - waste prevention - reuse - repair

From: Belinda Li [redacted]
Sent: July 25, 2026 9:20 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: Problems with the Draft Solid Waste Management Plan

WARNING: This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.

Dear Metro Vancouver,

I am incredibly disappointed by the Draft Solid Waste Management Plan. After years of consultation, this plan still does not include best management practices for achieving zero waste. I participated in the consultation and I do not feel like my concerns were considered.

Here are the key problems:

The budget does not align with the Zero Waste Hierarchy. If Metro Vancouver is serious about zero waste, then most of the resources should go towards Rethink, Reduce, and Reuse (currently $5.5 million), not Recover and Dispose (currently $120 million). The allocation of resources is backwards. If you don't put money into preventing waste, you will continue to be stuck with managing the very expensive disposal infrastructure.

This plan is environmentally unjust (Strategy 6.1). By keeping the incinerator open, people in the vicinity of the incinerator will continue to be exposed to harmful pollutants with long-term health effects. Not only that, there is agricultural land downwind of the incinerator so the pollutants are going into the food that we eat. Current testing and plans to upgrade the incinerator are not enough to ensure full protection of human and environmental health. Either shut down the incinerator or put in the work (and money) to run it properly. If Metro Vancouver is serious about zero waste and takes the appropriate actions to prevent divertable materials from going into the garbage, we wouldn't need an incinerator.

There is nothing in the plan to improve capacity for in-region organics processing at a substantial scale (Strategy 4.3). There is only one facility in Surrey for organics processing that does not have capacity to service the whole region. Why is Metro Vancouver so obsessed with in-region disposal but not applying the same logic to organics, which is much heavier than all other types of waste and should be hauled as little as possible? Promoting worm/home composting or researching technology options for ICI is not enough. If more people are going to separate organics for composting, we need to process it. There are options at a community scale with decentralized composting. This should be a priority for the SWMP.

This plan is unacceptable. I hope it does not get approved by the Minister of Environment and Parks.

Sincerely,

Belinda Li
[redacted]

From: Karen Crosby [redacted]
Sent: July 26, 2026 9:25 AM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca; info@zerowastebc.ca
Subject: Feedback on the Solid Waste Management Plan from New West Climate Action Hub

Follow Up Flag: Follow up
Flag Status: Completed

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Hello,

Would you please consider the input below my signature and from the 52 members of the New Westminster Climate Action Hub? Our mission is to advance solutions that slow global heating and reflect the urgency of the climate crisis through advocacy, education, local initiatives, collaboration with other organizations, and other actions. Since effective waste management often reduces climate pollution, we value the service Metro Vancouver provides in this area and want to see it become more effective in slowing global heating. Overall, we encourage the plan to have a greater focus on reduction of waste rather than recovery. We thank you for this opportunity to be heard.

Sincerely,
Karen Crosby
New Westminster Climate Action Hub President
newwestclimateaction.ca

1. **Phase out the Burnaby incinerator:** This waste burner is one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. These pollutants contaminate the air in our city of New Westminster, not just Burnaby. Dioxins have been found in high concentrations on the incinerator roof and nearby rooftops. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets, money which would be better spent on investing in zero waste solutions (see #2). Firmly commit to not building or using any new incineration or thermal treatment facilities.
2. **Invest in zero waste solutions:** These include redesigning, reducing, repairing, reusing, composting and recycling. Ensure the plan actions are strong such as implement, enact, develop, etc. (rather than just testing, encouraging and piloting). Actions should include:
    - Waste prevention such as cutting unnecessary packaging and preventing food waste.
    - Reuse and Repair -making it easier so unusable items do not get thrown out.
    - Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    - Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution

From: Lori Bryan <info@wmabc.ca>
Sent: July 27, 2026 2:20 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Metro Vancouver draft Solid Waste Management Plan Feedback 2026
Attachments: WMABC SWMP Feedback July 24 2026.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

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Please see attached our draft SWMP 2026 feedback to be included in the submission to the Province.

Sincerely,

Lori Bryan
WMABC, Executive Director
info@wmabc.ca
778-775-7960
www.wmabc.ca

Registration is now open! Save the date & plan to join us for our WMABC Annual Golf Tournament '70's Retro Daze', September 24, 2026. Details and registration can be found here.

To unsubscribe to future emails please click here admin@wmabc.ca & enter unsubscribe into the subject line.
Please consider the environment before printing this email

July 24, 2026

Solid Waste Services
Metro Vancouver
Metrotower III, 4515 Central Blvd
Burnaby, B.C. V5H 0C6

Email: zerowaste@metrovancouver.org

Re: Metro Vancouver draft Solid Waste Management Plan Feedback 2026

The Waste Management Association of B.C. ("WMABC") comprises over 75 businesses that provide a majority of the waste and recycling services in the Province of British Columbia, including in the Greater Vancouver Regional District. WMABC acts as a conduit and representative voice for its members in connection with, among other things, local regulation and regulatory initiatives.

The WMABC and its members, have followed the development of this updated draft Solid Waste Management Plan (SWMP), has received presentations from Metro Vancouver staff at member meetings and at our annual conference(s), and participated on two Advisory Committees, to provide industry input to its update. It is important for the private sector to be involved in the plan update as it is these businesses that operate 'boots on the ground' under the plan. It is also imperative that the private sector concerns be validly heard and included in the planning process.

We appreciate the effort on the enhanced engagement as was indicated as required by Minister Heyman in 2019 but there are concerns with what this consultation has and has not achieved.

- There were numerous comments, suggestions and potential solutions provided through much discussion at the advisory committee level and by WMABC members multiple times but where Metro Vancouver staff had recorded this feedback, very little of it has made its way into the draft SWMP, has not achieved any different outcomes from past draft SWMPs and industry input has not been addressed. The feedback obtained at the Advisory Committees was also minimized in the records. It has become clear that the ***SWMP outcomes were predetermined***.

- It was suggested at the Advisory Committee to receive other committee(s) ***feedback*** provided for review and potential comments' but this was not provided. A crossover meeting had also been suggested, and it would have been a good opportunity for the different committees to understand what each group's concerns and thoughts were.

- Referencing *the* ***hauler licensing language*** in potential future regulatory options, we feel we are back to the same argument on this item. Given that we do not know what this licensing language looks like, we are concerned with this language being enshrouded into the plan without having more knowledge the potential language. We believe that this item should be removed altogether from the plan as priority should be on the diversion and incentive programs within the plan, along with alternate solutions to take precedence and allowed to be successful, eliminating the need for hauler licensing. This would increase the stability and confidence of the system for service providers to invest.

- The plan provides a great overview of Metro Vancouver's own system but almost ***no mention of private sector facilities, existing depots, current capacity and future capacity needs***. There is also no mention of what is and isn't working, where does private sector investment fit in, what effects the plan has on private sector investment impacts & opportunities or what the plan is to address these items. Further to this, we have seen the impact the generator levy has had on private sector facilities ability to operate and the 5-year cap on facility licences.

Waste Management Association of BC
PO Box 3322, Station Main
Mission, BC V2V 4J5
info@wmabc.ca 778-775-7960

- The consultation summary has not shown how the public consultations' feedback or the various advisory committees' feedback was used to influence the plan or why each option was or was not pursued.

With ***affordability*** being at the forefront of every conversation at every government level, the plan lacks the planning to reign in spending and tackle affordability for the region's taxpayers. To this we note;

- The action timetables and budgets show no commitment to timetables or details.

- The capital budget beyond the existing approved Metro Vancouver five-year budget has no detail ($510 million capital costs added from draft 1 to draft 2 but clarification of the purpose)

- The plan will require that Metro Vancouver is approved for capital costs related to projects identified in the plan. The first draft plan had the existing five-year budget (with no provisions for any additional funds to move ahead with these actions) included but there were no details on capital costs and the second draft noted $900 million in capital costs but without any details. These details need to be provided and consulted on before plan approval, and certainly before any borrowing occurs

- The budgeting for the plan was developed and approved without input from the consultation process

Historical summary

- We have previously identified the ***inherent conflict*** that exists within GVS&DD given its multiple roles as policy developer, regulator and operator. This continues to exist.

- We have previously ***advocated for collaboration*** with other Regional Districts such as the FVRD, when planning for facilities and capacity. With the limited land space within Metro Vancouver, it only makes sense to plan for potential receiving facilities outside the region and future amendments to the Generator Levy to accommodate this.

- We have seen this same plan in different iterations over the years, all with the same outcomes and no real consideration of the private sector contributions to the system within the region. These SWMPs have been rejected by two previous Ministers and we have not seen where there have been any meaningful changes. We do not believe the planning process has met the Ministry guidelines.

We sincerely hope this feedback is considered upon the Minister's review and subsequent approval of this draft SWMP. We do not believe this plan should be approved until all concerns have been addressed or rectified.

Sincerely,

L Bryan

Lori Bryan
Executive Director

As Per: Noel Massey, Acting President, 1st Vice Chair
WMABC

Waste Management Association of BC
PO Box 3322, Station Main
Mission, BC V2V 4J5
info@wmabc.ca 778-775-7960

HEAD OFFICE
Unit 201 - 20218 Fraser Hwy
LANGLEY, BC V3A 4E6
PHONE: (604) 534-9925
FAX: (604) 534-9688
www.nwgypsum.com

July 28, 2026

Metro Vancouver Regional District
4730 Kingsway
Burnaby, BC
V5H 0C6

Attention: Board and Information Services (BIS) Secretariat

By Email: BIS-Secretariat@metrovancouver.org

Dear Sirs,

For more than 40 years, New West Gypsum Recycling (BC) Ltd. ("NWGR") has recycled waste drywall generated within the Metro Vancouver Regional District ("MVRD") for use in the local manufacture of new drywall. NWGR is the only cradle-to-cradle recycler of any building material in Western Canada and is recognized as the world leader in drywall recycling.

At our New Westminster facility alone we have recycled approximately 2.6 million metric tonnes of drywall, of which 2.2 million metric tonnes have been returned to local drywall manufacturing. Across our 10 facilities worldwide NWGR has recycled approximately 8.5 million metric tonnes of drywall, with 7.4 million metric tonnes used to manufacture new drywall. We are proud to be a Langley, British Columbia-based company operating a proven, home-grown circular economy business.

Despite this success, the MVRD's current solid-waste bylaws and Solid Waste Management Plan allow recyclable construction materials to leave the region untracked as "mixed construction debris" for landfill disposal. Recent regulatory changes appear to have made this practice even easier as loads delivered to facilities outside of the MVRD are exempt from tracking and reporting requirements.

This raises serious concerns about the accuracy of the region's reported diversion rate, which the MVRD frequently describes as exemplary. Large stockpiles of mixed construction waste at yards in South Abbotsford, much of which is reportedly destined for disposal in United States landfills, demonstrate the need for greater transparency, accountability, and enforcement.

To protect local recycling infrastructure and ensure that recyclable drywall is properly recovered, the MVRD should prohibit drywall generated by construction, renovation, and demolition projects from leaving the region.

We would welcome the opportunity to meet with you to discuss these concerns. We would also be pleased to arrange a tour of our New Westminster facility so that you can see local, cradle-to-cradle drywall recycling in operation.

Yours truly,



Richard McCamley
VP of Operations

Cc: Board Members of the MVRD

From: John Omielan [redacted]
Sent: July 29, 2026 1:56 PM
To: Metro Vancouver Solid Waste Management Plan Update; env.minister@gov.bc.ca
Cc: info@zerowastebc.ca
Subject: Feedback on the Metro Van Solid Waste Management Plan 2026

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Dear Sir/Madam,

The text below the dashed line is from another e-mail which the write has permitted me to copy and paste. I'm including it because I strongly agree and support what is written there. Although I've done some reading about this issue, I haven't yet read the draft plan or otherwise claim to be really knowledgeable. Nonetheless, from what I have found out so far, the current plan has significant deficiencies. As such, I strongly encourage you to up this for it to act in the best long-term interests of the environment and people of the lower mainland, even if it costs somewhat more, takes longer or otherwise is more difficult to do. It's important to get this done correctly because cleaning up afterwards will invariably involve more time, trouble and cost than it would have taken to just avoid those issues originally!

Take care.

- John Omielan

==========

1. **Phase out the Burnaby incinerator:** This waste burner is one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. These pollutants contaminate the air in our city of New Westminster, not just Burnaby. Dioxins have been found in high concentrations on the incinerator roof and nearby rooftops. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets, money which would be better spent on investing in zero waste solutions (see #2). Firmly commit to not building or using any new incineration or thermal treatment facilities.
2. **Invest in zero waste solutions:** These include redesigning, reducing, repairing, reusing, composting and recycling. Ensure the plan actions are strong such as implement, enact, develop, etc. (rather than just testing, encouraging and piloting). Actions should include:
    - Waste prevention such as cutting unnecessary packaging and preventing food waste.
    - Reuse and Repair -making it easier so unusable items do not get thrown out.
    - Recycling and Composting -enhancing programs to be simple and consistent to ensure clean materials are captured properly. Multifamily, business, institutions, industry and construction locations need to have better programs and services.
    - Reducing toxicity -include actions to decrease the use of toxic materials as well as the emission of toxic pollution
    - Enforcing and enhancing existing bans with more inspections, a requirement for clean bags and mandatory source separation
3. **Measure and work to reduce the climate footprint of materials** by including consumption-based emissions on the planning and proposed actions.
4. **Set ambitious targets:** Theses need to match those of the Capital Regional District or Regional District of Nanaimo. Targets should be for waste generation reduction and diversion (meaning recycling and composting, not burning of material). Targets should be set for five years (2032) and ten years (2037) and not only in the future but beyond the time frame of the plan.
5. **Establish and commit to a timeline for the actions and the associated budget** to ensure the plan can be implemented.
6. **Pledge to be transparent:** report waste performance clearly, especially in 2032 and 2037 (to coincide with targets) so the public can see what is working. Do not call burning of waste recycling or diversion as burning waste creates pollution and ash and should be treated as disposal.
7. **Spend money wisely and invest in the future:** choose solutions that reduce waste without locking the region into expensive disposal systems.

8. **Use the Zero Waste Hierarchy and definition** in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action.

From: andrea dresselhuis [redacted]
Sent: July 29, 2026 12:06 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: env.minister@gov.bc.ca
Subject: my feedback re your solid waste plan

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I appreciate you considering the following:

1. **Phase out the Burnaby incinerator:** This waste burner is one of the top 25 point sources of GHGs in the whole province and a key emitter of other pollutants such as dioxins, mercury, cadmium, lead, acid gases and NOx. These pollutants contaminate the air in our city of New Westminster, not just Burnaby. Dioxins have been found in high concentrations on the incinerator roof and nearby rooftops. It is neither cleaner than landfills nor cheaper and is a roadblock to reducing waste. This 38 year old facility is aging and will require significant capital upgrades and maintenance if it is not retired as most incinerators close at 25-30 years. Over $400 million of capital costs have been forecast in Metro Vancouver budgets, money which would be better spent on investing in zero waste solutions (see #2). Firmly commit to not building or using any new incineration or thermal treatment facilities.
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7. **Spend money wisely and invest in the future:** choose solutions that reduce waste without locking the region into expensive disposal systems.
8. **Use the Zero Waste Hierarchy and definition** in the Solid Waste Management Plan. A clear peer-reviewed definition and hierarchy will drive progressive action.

Andrea Dresselhuis
member of the New Westminster Climate Action Hub
and resident of New Westminter

From: SLRD Info <info@slrd.bc.ca>
Sent: July 29, 2026 4:13 PM
To: CAO Administration; Metro Vancouver Solid Waste Management Plan Update
Cc: Heather Paul; Omar Butt
Subject: Feedback on Metro Vancouver's Draft Solid Waste Management Plan
Attachments: 20260729MVRD_SWRMP_FeedbackLetter.pdf

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Dear Mike Hurley, Board Chair and Sarah Kirby-Yung, Zero Waste Committee Chair,

Please find attached a letter from the Squamish-Lillooet Regional District regarding the above subject.

Kind regards,
Nathalie

Nathalie Klein | Executive Coordinator

Office of the CAO | Squamish-Lillooet Regional District
E: nklein@slrd.bc.ca | D: 604-894-6371 x 223
Toll Free: 1-800-298-7753
SLRD.bc.ca | Stay Connected

_____SLRD EOP_____

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Thank you.

SQUAMISH - LILLOOET
REGIONAL DISTRICT

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F. 604-894-6526
info@slrd.bc.ca www.slrd.bc.ca

July 29, 2026

BY EMAIL ONLY (CAOAdministration@metrovancouver.org; zerowaste@metrovancouver.org)

Board Chair Mike Hurley and Zero Waste Committee Chair Sarah Kirby-Yung
Metro Vancouver Regional District
4514 Central Boulevard
Burnaby, BC
V5H 0C6

Attention: Metro Vancouver Regional District Board

Dear Board Chair Mike Hurley and Zero Waste Committee Chair Sarah Kirby-Yung:

RE: Feedback on the Draft Solid Waste Management Plan

On behalf of the Board of the Squamish-Lillooet Regional District (SLRD), I am writing to provide feedback on the Metro Vancouver draft solid waste management plan. The correspondence from your Board Chair and Zero Waste Committee Chair dated June 3, 2026, inviting feedback on the draft solid waste management plan, was shared with the SLRD Board at our June 24th regular meeting.

The SLRD has initiated its Solid Waste Management Plan update in 2025 and are currently in the second step of the Plan, which is setting the plan direction. This includes a review of our current systems and developing a list of potential principles, goals and targets. We want to recognize the importance of Metro Vancouver as a real leader in pulling the whole lower mainland forward in terms of solid waste management.

Some of our comments/concerns include:

- Lack of specificity in the budget for tasks associated with the plan.
- Need for clearer information about how solid waste moves between regions, including hauler licensing requirements and hauler record-keeping.
- Waste-to-Energy facility
    - Significant concerns around air quality impacts and dioxins (fish impact).
    - There is a lot of discussion about the affordability of incineration but no attention to the fact that for years the emissions requirements have not been met. We understand that Metro Vancouver has applied to the Ministry of Environment and Parks for an amendment to the Waste-to-Energy Facility Operational Certificate, requesting an extension to meet the discharge limits for sulphur dioxide and

hydrogen chloride. There is a clear contradiction in the affordability of the process if it is too expensive to upgrade the facilities to meet emission requirements. There should not be further delays in upgrading the facility to meet the emissions requirements.

Thank you for considering the SLRD's feedback as a neighbouring regional district. We look forward to your response.

Regards,



Jen Ford
Board Chair, Squamish-Lillooet Regional District

CC: SLRD Board
Heather Paul, Chief Administrative Officer, SLRD

From: Kristina Calli <kcalli@bimbc.ca>
Sent: July 30, 2026 11:56 AM
To: Stephanie Liu
Cc: Terry Fulton
Subject: RE: Solid Waste Management Plan

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Hi again,

For context, these are the feedback items that have been discussed internally by staff:

Provide greater clarity on how support for local composting and community-scale organics solutions could be delivered in small and ferry-dependent communities.

Ensure reuse, repair, deconstruction, and building-material recovery initiatives are designed to be accessible and effective for small and ferry-dependent communities.

I look forward to discussing further this afternoon.

Thanks,

Kristina

Kristina Calli, BSc, PMP (she/her)
Strategic Initiatives Officer
Bowen Island Municipality
580 Bowen Island Trunk Road
Bowen Island, BC V0N1G2

[redacted]

From: Lucas Harris <lharris@recyclebc.ca>
Sent: July 30, 2026 9:15 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Recycle BC Comments on Metro Van's Solid Waste Management Plan Final Draft
Attachments: 2026-07-30 Metro-Van_SWMP_FINAL_draft_RecycleBC_feedback.pdf

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Hello,

Attached, please find comments from Recycle BC on Metro Vancouver's Solid Waste Management Plan Final Draft.

Thank you,

LUCAS HARRIS
Director, Program Development
Recycle BC and SK Recycles
[redacted]
RecycleBC.ca
SKRecycles.ca

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged and confidential. If you have received this message in error, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited and are requested to immediately notify Recycle BC at info@recyclebc.ca or SK Recycles at info@skrecycles.ca. The information supplied by electronic media is provided for convenience only.

July 30, 2026

Metro Vancouver
Metrotower III, 4515 Central Boulevard,
Burnaby, BC
V5H 0C6

Re: Feedback on the Solid Waste Management Plan FINAL Draft

Metro Vancouver Solid Waste team,

Thank you for the opportunity to provide additional feedback on Metro Vancouver's Final Draft Solid Waste Management Plan. Recycle BC appreciates the consideration given to feedback received on the Initial Draft and continues to support the Plan's objectives of increasing recycling, preventing waste, advancing circular economy principles, and improving environmental outcomes across the region.

The Final Draft includes several helpful refinements, including clearer recognition that waste prevention and packaging design require coordinated action across sectors and jurisdictions. We also appreciate the revised wording concerning financial incentives for local governments participating in extended producer responsibility (EPR) programs. We offer the following additional comments to clarify several matters that remain relevant to Recycle BC's regulatory mandate and approved Program Plan.

EPR Scope and Generator Eligibility

The Final Draft continues to propose advocacy for the addition of packaging from sectors such as care homes and schools to EPR programs (3.2.1), as well as the expansion of residential-only packaging drop-off programs to small businesses (3.2.4 c). Recycle BC supports the continued expansion of EPR in principle where it advances waste reduction and recycling objectives. However, under the current Recycling Regulation and Recycle BC's approved Program Plan, the packaging and paper product program is funded by producers to manage materials supplied to residential consumers. It does not include packaging and paper generated by industrial, commercial, or institutional sources.

Any expansion to care homes, schools, small businesses, or other non-residential generators would require provincial regulatory direction, a clear assignment of producer obligations, appropriate funding mechanisms, and an assessment of operational implications. These measures would be necessary to maintain cost accountability and ensure that producers funding the residential system do not subsidize the management of materials from non-residential sources. We recommend that the relevant actions in the Plan acknowledge that any expansion beyond residential generators would be subject to corresponding regulatory and funding changes.

405-221 West Esplanade
North Vancouver, BC V7M 3J3
778-588-9504

Flexible Plastics and Foam

Recycle BC shares Metro Vancouver's objective of making it easier for residents to recycle a broader and more consistent range of materials. The Final Draft continues to advocate for expanded residential collection of flexible plastics and foam and identifies this as a focus area within the Plan (3.2.2). Recycle BC supports this direction and has already taken significant steps to enable broader collection of flexible plastics.

Flexible plastics collection from homes has already been introduced in several direct-service communities and Recycle BC's collection agreements provide a pathway for municipal and private multi-family collection partners to implement segregated flexible plastics collection where there is local interest. The collection and processing system has been established to support continued expansion, and we welcome opportunities to work collaboratively with municipal and private hauling partners to onboard additional communities.

As Metro Vancouver continues to advocate for expanded flexible plastics collection, we encourage the region to work with its member municipalities to identify communities interested in implementing the service. Recycle BC would welcome the opportunity to collaborate with interested collection partners to support broader adoption over time.

With respect to foam packaging, Recycle BC's producer fee structure already reflects the comparatively high cost and complexity of managing this material. These fee signals provide an incentive for producers to reduce, redesign, or transition away from packaging that is more difficult and costly to manage at end of life.

Financial Incentives and Municipal Participation

Recycle BC appreciates the revision to the Final Draft clarifying that Metro Vancouver's advocacy for increased financial incentives relates to programs where local governments are not receiving full cost recovery (3.2.4 b). Recycle BC operates under an approved Program Plan that includes a transparent collection-incentive methodology, supported by regular cost studies and provincial oversight. Appropriate compensation must be assessed through that approved process, including consideration of efficient service standards, reasonable program costs, and the need to maintain fairness and financial sustainability across the province. We recommend that implementation of this action recognize the established provincial framework and approved Program Plan processes used to determine appropriate collection incentives.

Signage, Education, and Service Consistency

Recycle BC supports efforts to improve clarity and consistency in recycling collection, signage, and public education. We maintain established signage, communication materials, accepted-material guidance, and public education resources designed to support proper sorting and reduce contamination. The Final Draft now commits Metro Vancouver to developing a signage

standard and customizable signage tool in collaboration with producer responsibility organizations (4.5.1). Recycle BC welcomes this collaboration and recommends that the initiative begin with a review of existing PRO resources and established provincial messaging. Building on these tools will support consistency while avoiding duplication and unnecessary public confusion. Similarly, efforts to improve service consistency should recognize existing Recycle BC collection agreements, accepted-material lists, service models, and operational requirements (4.4.1).

Multi-Family Building Collection

Recycle BC shares Metro Vancouver's objective of improving recycling services for residents living in multi-family housing. Under Recycle BC's Program Plan, local governments and First Nations operating curbside collection programs are eligible to partner with Recycle BC to provide multi-family recycling services within the same service area. In addition, private collection companies operate multi-family recycling services on behalf of Recycle BC in designated service areas.

Expanding access to Recycle BC's multi-family program depends not only on service availability, but also on engagement with property owners and managers, who determine how recycling services are procured for their buildings. Metro Vancouver and its member municipalities are well positioned to help raise awareness of these opportunities and facilitate dialogue with the multi-family sector. Recycle BC would welcome opportunities to collaborate in this area to improve participation, strengthen recycling performance, and advance the Plan's objectives of providing more consistent and accessible recycling services.

Data Sharing

Recycle BC also notes the new action proposing collaboration with producer responsibility organizations to enhance data sharing and transparency (3.2.5). We support continued dialogue on opportunities to improve shared understanding of regional waste prevention and recycling outcomes. Any data-sharing approach should recognize differences between regional and provincial reporting boundaries, material definitions, data availability, confidentiality requirements, and existing reporting obligations. Recycle BC would welcome the opportunity to work with Metro Vancouver to identify information that can be shared meaningfully without creating unnecessary duplication or reporting burden.

Closing

Recycle BC values its ongoing collaboration with Metro Vancouver and partnership with its member municipalities. We remain committed to working collaboratively to advance shared waste reduction and recycling objectives within the framework of the Recycling Regulation and Recycle BC’s approved Program Plan.

Thank you for considering these additional comments as the Solid Waste Management Plan proceeds to the Minister of Environment and Parks for approval.

Sincerely,

Sam Baker
Executive Director
Recycle BC

From: Jillian Rodak <JRodak@restaurantscanada.org>
Sent: July 30, 2026 3:11 PM
To: Metro Vancouver Solid Waste Management Plan Update
Cc: Cheryl Muir; Terry Fulton; Stephanie Liu
Subject: Restaurants Canada submission - Solid Waste Management Plan
Attachments: Restaurants Canada_Metro Vancouver Solid Waste Management Plan_Submission_07.30.26.pdf

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Hi Terry and Stephanie,
I hope you are both well. Please find Restaurants Canada's submission on the final draft of Metro Vancouver's Solid Waste Management Plan. My colleague, Cheryl Muir, VP of Western Canada and I look forward to continued dialogue on The Plan.

Thank you again for the opportunity to share our feedback.
Have a lovely weekend,
Jillian

Jillian Rodak
Vice President, Sustainability
Restaurants Canada
p: 1-800-387-5649 ext 4213
[redacted]
a: 1155 Queen Street West, Toronto, ON M6J 1J4

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July 30, 2026

Additional comments from Restaurants Canada on the Metro Vancouver Draft Solid Waste Management Plan

Sent via e-mail: zerowaste@metrovancouver.org

Introduction

Restaurants Canada appreciates the opportunity to provide feedback to the Minister of Environment and Parks on Metro Vancouver's Draft Solid Waste Management Plan ("The Plan"). Our members support Metro Vancouver's goal of increasing the diversion of solid waste from landfill and recognize the foodservice industry's role in improving waste prevention in the region.

This submission is intended to provide practical, sector-specific feedback on elements of the plan that will have direct implications for restaurants operating in Metro Vancouver. Restaurants are diverse in size, service model, and supply chain structure. As a result, waste reduction strategies that appear straightforward at a system level can create significant operational, financial and compliance challenges when implemented in real-world restaurant environments.

Restaurants Canada encourages Metro Vancouver to pursue a plan that is evidence-based and implementation-focused, while allowing sufficient flexibility for restaurants to reduce solid waste in ways that reflect their operating realities. The most effective approach will be one that improves infrastructure, establishes clear and harmonized requirements, supports innovation in packaging, and engages industry before advancing new obligations.

British Columbia's Restaurant Sector

Restaurants are a significant economic driver in British Columbia. In 2025, the industry generated $21.5 billion in sales, directly employed nearly 190,000 people, including more than 63,000 youth, and purchased more than $7 billion annually in food and beverage products. Each year, British Columbia's foodservice sector generates more than $4.5B in federal, provincial and municipal taxes.

Restaurants operate in every region and contribute meaningfully to economic growth, employment, tourism, community vibrancy and local supply chains. Every dollar spent in the industry generates an additional $2.25 in total economic output, significantly higher than the $1.92 average across all industries. Further, every $1 million in output supports 17.7 indirect

jobs across the agriculture, transportation, wholesale trade and food production sectors, more than double the industrial average of 7.8 jobs.

Restaurants are labour intensive businesses, needing 12 workers to generate $1 million in sales compared to 4 workers in retail. While restaurants are the province's third largest private sector employer, operators continue to struggle with labour shortages. Across the country, there are there are more than 57,000 job vacancies in the restaurant and food services industry.

In addition to labour challenges, the sector continues to face persistent affordability pressures. Rising food and operating costs combined with uneven consumer spending continue to erode profitability across the industry in 2026. Restaurants in British Columbia earn an average operating profit of 5.1 per cent before income tax, and across Canada, 41 per cent of restaurants are operating at a loss — over three times the rate reported in 2019. That context matters when assessing new policy requirements and the potential costs for operators.

Restaurants are subject to various regulatory, reporting and cost obligations driven by policies at all levels of government. For British Columbia's restaurants:

- labour costs have risen by 55 per cent compared to the national average of 45 per cent since 2018;
- EPR costs have increased by 43 per cent since 2020; and,
- liquor licensing fees increased by 30 per cent in 2026.

These cost increases, and evolving regulatory requirements place cumulative pressure on restaurants, significantly impacting their operations and viability.

At a time when British Columbia is seeking to strengthen the economy, including in tourism and hospitality, we encourage a whole-of-government perspective on the impact policy changes are having on the foodservice sector given its limited ability to absorb more cost and regulatory obligations.

Restaurants Canada and its members want to work with Metro Vancouver to develop solutions to divert solid waste from landfills. This document recommends approaches for improving diversion outcomes that are feasible for the restaurant sector and support practical implementation pathways.

Feedback on solid waste management plan

1. Provide restaurants with flexibility to implement feasible solutions

Restaurants Canada supports The Plan's objective to prevent and reduce solid waste, but businesses should have the flexibility to determine the best operational approach to achieve this objective based on their day-to-day operations. While reuse can play an appropriate role in some restaurant settings, it should not be treated as the only feasible solution for all restaurant formats.

Restaurants vary widely in size, service model, menu type and supply chain structure. Some businesses rely on national or global packaging systems that cannot be easily adapted at a municipal level without creating inefficiencies or unintended consequences.

Shifting to a reusable service ware format requires substantial upfront investment, including dishwashers, plumbing upgrades, kitchen retrofits, storage space, purchasing and replacing dishware, and managing breakage or loss. These costs are in addition to ongoing expenses for labour, water, energy, sanitation and maintenance. In food courts, quick-service locations, seasonal operations, small-footprint kitchens and other space-constrained formats, reuse may not be operationally feasible.

Advocating for phasing-in reusable service ware across Metro Vancouver's 21 municipalities risks creating a fragmented policy environment that does not reflect the diversity of restaurant operations. The Plan's stated intention to reduce confusion for residents and improve efficiency for businesses could be undermined if individual municipalities adopt different requirements, definitions, timelines or enforcement approaches for reusable service ware. For multi-unit and franchise restaurant operators, inconsistent local rules can create complex compliance obligations, training needs and customer communication challenges. For independent operators, the administrative and capital burden can be even more difficult to absorb. Different definitions of what qualifies as reusable would further complicate implementation, consumer understanding and compliance.

Reusable service ware is not the only effective way to divert waste from landfill. The Plan's proposed secondary metric, *percentage of the region covered by reusables for dine-in regulations*, reinforces how The Plan singles out reuse as a preferred solution. Without clear implementation detail, cost analysis or flexibility, this part of The Plan risks placing disproportionate burden on restaurants with limited capacity to absorb new costs.

Recommendations

Restaurants Canada recommends that Metro Vancouver prioritize flexible, outcome-based approaches, including:

- expanding recycling infrastructure for materials commonly used in foodservice settings;
- improving consumer signage and education in public spaces to reduce contamination, aligned with section 2.1.4.1 of The Plan;
- prioritizing phasing-in reuse for event venues where they have already been proven to work;
- encouraging packaging design that improves recyclability and recovery;
- supporting end-market development for recovered materials;
- maintaining consistency in waste requirements and definitions across municipalities to reduce confusion for businesses and customers; and,
- removing the secondary performance metric: *percentage of the region covered by reusables for dine-in regulations.*

2. Develop evidence-based targets based on real-world operating environments

Restaurants Canada recommends that The Plan's diversion targets are developed using baseline data, evidence-based projections, sector-specific implementation tactics and a realistic financial plan. For the commercial and institutional sector, The Plan identifies a diversion target of 65 per cent by 2036 and 75 per cent by 2050, relative to a 2024 baseline of 47 per cent. Restaurants Canada understands the importance of setting ambitious targets; however, those targets must be achievable and connected to practical measures that can deliver results.

The restaurant sector is unique within the broader commercial and institutional category. Restaurant operations generate different material streams than offices, institutions, and other commercial businesses. Restaurants face constraints related to space, food safety, customer behaviour, franchise or chain procurement systems, labour availability, and the need to keep service moving during high-volume periods. These realities affect what can be reduced, diverted, sorted, stored and reported.

The Plan states that sector-specific diversion rates are calculated based on the amount and type of material currently disposed of and diverted in each sector, and that these rates would be addressed by actions included in The Plan. The Plan should provide a tactical approach for

how the proposed actions will achieve the diversion targets over the next decade. Targets should not assume that all sectors have the same remaining opportunity to reduce disposal, or the same financial and operational capacity to implement additional measures.

Recommendations

Restaurants Canada recommends that Metro Vancouver strengthen this section of The Plan by identifying:

- the baseline data used to assess restaurant and foodservice waste streams (rather than the commercial/institutional sector more broadly);
- how the actions outlined in The Plan will contribute to diversion gains in the restaurant sector;
- the specific infrastructure, education and investment required to enable those gains;
- the role of haulers, processors and end markets in achieving the targets; and
- a process for reviewing targets if implementation data shows that assumptions are not realistic.

A credible plan should connect targets to implementation. Restaurants Canada welcomes dialogue with Metro Vancouver to support developing targets for the sector.

3. Improve recycling infrastructure and incentivize mono-material packaging

Restaurants Canada supports Metro Vancouver's interest in research and investment to improve the recyclability of packaging materials. Strategy 4 in The Plan includes research and advocacy related to the recyclability or phase-out of multi-material products, including coffee cups. Improving recycling outcomes for foodservice packaging is an important objective for Restaurants, but The Plan should avoid assuming that all multi-material products can be quickly or completely phased out before scalable and cost-effective alternatives are available. British Columbia's Extended Producer Responsibility program already accepts multi-material cups in many regions. Restaurants Canada encourages Metro Vancouver to work closely with EPR decision-makers to leverage this infrastructure as implementation plans are developed for Strategy 4 of The Plan.

Mono-material packaging can improve recyclability where the material is accepted, collected, sorted and processed in the local system. However, switching packaging formats can be complex for restaurants. Packaging must meet food safety, performance, durability, availability, affordability, branding and customer-use requirements. For many operators,

especially those with national procurement systems, changes must also be viable at scale and compatible with supply chains.

Rather than relying primarily on phase-out language, Metro Vancouver should use The Plan to accelerate the conditions that make recyclable packaging practical. This includes improving collection and processing infrastructure, harmonizing acceptance lists, reducing contamination through public education, supporting end-market development and providing incentives for packaging formats that are easier to recover.

Recommendations

Restaurants Canada recommends that Metro Vancouver consider positive incentives for businesses that procure packaging aligned with regional recycling infrastructure. For example, where mono-material packaging demonstrates improved recyclability and is accepted in the system, Metro Vancouver could explore whether recognition programs or financial incentives would support broader adoption without penalizing businesses that do not yet have access to viable alternatives.

4. **Incorporate the realities of food waste reduction in restaurants into The Plan**

Reducing food waste is a priority for restaurants, both from a sustainability and an economic perspective. Operators have strong incentives, and often corporate directives to improve inventory management, reduce prep waste, repurpose ingredients where food safety and quality allow, train staff, and partner with food rescue organizations where feasible.

However, food loss and waste in restaurants is nuanced. Back-of-house waste is often more within the operator's control and can be addressed through inventory management, menu planning, preparation practices, staff training and improved sorting. Front-of-house waste is more heavily influenced by consumer behaviour, including portion choices, whether customers finish meals, whether they take leftovers, and whether customers sort materials correctly even when bins are available.

This distinction should inform Metro Vancouver's approach. Initiatives that assume restaurants can fully control all food waste may overstate the degree of operational control available to operators, particularly in customer-facing environments. Incremental prevention initiatives can also add labour, training, reporting and infrastructure requirements at a time when many restaurants are already facing tight margins and staffing pressures.

Recommendations

Restaurants Canada recommends that Metro Vancouver engage with the restaurant industry before advocating for or implementing new food waste initiatives. Engagement should be used

to identify where operators can have the greatest impact, what barriers prevent better diversion, which practices are already working, and what supports would allow more businesses to participate. Any new initiative should be designed to reduce waste without adding unnecessary operational complexity or cost.

Conclusion

Restaurants Canada supports Metro Vancouver's objective of reducing waste and increasing diversion from landfills. Restaurants want to be constructive partners in achieving better waste outcomes, and many are already taking steps to reduce food waste, improve sorting, and explore packaging improvements.

The Solid Waste Management Plan should be grounded in the realities of operating a restaurant in British Columbia. Prescriptive mandates, fragmented policies and targets without implementation plans risk creating costs and complexity without delivering The Plan's intended environmental outcomes. A more effective approach would focus on practical infrastructure improvements, clear and harmonized requirements, and evidence-based targets.

Restaurants Canada welcomes continued dialogue with Metro Vancouver and the Province of British Columbia as the plan is refined. Ongoing consultation with the restaurant industry will help ensure that waste reduction strategies are practical, equitable and capable of delivering measurable results across the region.

Jillian Rodak
Vice President, Sustainability
Restaurants Canada
jrodak@restaurantscanada.org

From: Vicki Champ <vicki.champ@bcbc.com>
Sent: July 31, 2026 3:45 PM
To: Metro Vancouver Solid Waste Management Plan Update; mayor@burnaby.ca
Cc: ENV.minister@gov.bc.ca; HOUS.minister@gov.bc.ca; DM.ENV@gov.bc.ca; HOUS.DMO@gov.bc.ca; john.mcewen@anmore.com; jross@belcarra.ca; mayor@bimbc.ca; elaine.wong@burnaby.ca; pietro.calendino@burnaby.ca; sav.dhaliwal@burnaby.ca; chodge@coquitlam.ca; ttowner@coquitlam.ca; rbinder@delta.ca; dkruger@delta.ca; [redacted]; palbrecht@langleycity.ca; ewoodward@tol.ca; sferguson@tol.ca; mayor.berry@lionsbay.ca; druimy@mapleridge.ca; nnakagawa@newwestcity.ca; CNV Mayor; muril@dnv.org; nmacdonald@pittmeadows.ca; westb@portcoquitlam.ca; mlahti@portmoody.ca; Deb McKinnon; bmcnulty@richmond.ca; Alexa.Loo@richmond.ca; mayor@surrey.ca; ghepner@surrey.ca; harry.bains@surrey.ca; rob.stutt@surrey.ca; pardeep.kooner@surrey.ca; Doug Elford; lcassidy@tsawwassenfirstnation.com; ken.sim@vancouver.ca; clrdominato@vancouver.ca; clrbligh@vancouver.ca; clrkirby-yung@vancouver.ca; clrklassen@vancouver.ca; clrzhou@vancouver.ca; peter.meiszner@vancouver.ca; Mark Sager; mknight@whiterockcity.ca; Denise Mullen; Aaron Aerts; Holly Phillips
Subject: BCBC Submission on Metro Vancouver's 2026 Draft Solid Waste Management Plan
Attachments: 2026 07 31_BCBC_Metro_Vancouver_SWMP2026.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

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Please see the attached submission from the Business Council of British Columbia regarding Metro Vancouver's 2026 Draft Solid Waste Management Plan.

If you have any questions or require further information, please contact Denise Mullen at denise.mullen@bcbc.com.

Sent by
Vicki Champ
Executive Assistant
Direct: 604-696-6588
on behalf of

LAURA JONES
President and Chief Executive Officer
Business Council of British Columbia
laura.jones@bcbc.com
Tel: 604.696.6580
www.bcbc.com

Business Council of British Columbia
Est. 1966

July 31, 2026

Mayor Mike Hurley
Chair, Metro Vancouver Board of Directors
4730 Kingsway
Burnaby BC V5H 0C6

Via email: zerowaste@metrovancouver.org

Dear Chair Hurley,

Please see the attached submission from the Business Council of British Columbia regarding Metro Vancouver's 2026 Draft Solid Waste Management Plan.

Our submission raises several significant concerns, specifically how limited independent oversight and a narrowing role for private-sector innovation are driving up the costs being imposed on residents and businesses. Given the magnitude of these financial and structural impacts, our primary recommendation is that Metro Vancouver suspend finalization of this Plan pending an independent, third-party review. We welcome the opportunity to discuss these concerns further and to contribute constructively to a system that is both environmentally effective and fiscally accountable.

If you have any questions, please feel free to contact Denise Mullen at denise.mullen@bcbc.com.

Yours sincerely,

Laura Jones
President and Chief Executive Officer

Denise Mullen
Director, Environment & Indigenous Relations

cc: Metro Vancouver Board of Directors
Honourable Tamara Davidson, Minister of Environment and Parks
Honourable Christine Boyle, Minister of Housing and Municipal Affairs
Kevin Jardine, Deputy Minister of Environment and Parks
Teri Collins, Deputy Minister, Ministry of Housing and Municipal Affairs

Submission on Metro Vancouver's Solid Waste Management Plan 2026

July 31, 2026

The Business Council of British Columbia (BCBC) is a non-partisan organisation comprised of B.C.'s largest and leading companies, post-secondary institutions, and industry associations. We are dedicated to promoting prosperity through thought leadership, fostering cross-sector relationships, and advancing policy solutions to all levels of government.

This submission responds to Metro Vancouver's open comment process on the 2026 Draft Solid Waste Management Plan (SWMP 2026), which establishes the region's regulatory and strategic framework for managing municipal solid waste over the coming decade and beyond, with a 20-to-25-year outlook. The SWMP 2026's stated purpose is to shift the region away from an end-of-pipe waste management model toward a circular economy. While reducing waste is a worthy objective, we believe the plan should be guided by a broader set of principles, including reliability, affordability, transparency, and preserving competition.

Beyond our concern that the Plan's objectives need to be expanded, we are highly concerned that this plan:

- Fails to resolve documented anti-competitive concerns flagged by the federal Competition Bureau and the provincial Ministry of Environment in 2019.
- Locks the region into an unsustainable financial trajectory that places escalating capital and operating costs onto residents and businesses.
- Entrenches a structural governance conflict that restricts market access and stifles private-sector innovation.

Given these concerns, our main recommendation to Metro Vancouver is to suspend finalization of its Plan until it reconsiders the objectives and unintended consequences, such as reduced competition and rising costs. Furthermore, because Metro Vancouver's governance system concentrates planning, regulation, ownership, financing, and market control within one institution, we are also calling for an independent, third-party review. The review should consider the factors identified by the Competition Bureau in 2019 and explicitly evaluate reliability, affordability, transparency, and competition, along with waste reduction goals.

To justify our call for a pause and review of the Plan, we offer the following detailed assessment of its shortcomings.

Failure to Address Federal and Provincial Directives

Concerns about Metro Vancouver's governance are not new. As early as 2014, the provincial government rejected Metro Vancouver's proposed Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 280, citing concerns that it would stifle competition and create a monopoly on waste management. Metro Vancouver proceeded with similar measures regardless. In 2019, the Competition Bureau of Canada warned that Metro Vancouver's Commercial Waste Licensing Bylaw 307, Generator Levy Bylaw 308, and Solid Waste and Recyclable Material Regulatory Bylaw 309 would likely result in a monopoly on waste management in the region, while also reducing choice and innovation and raising tipping fees. As the Bureau explicitly noted:

> *"In summary, Metro Vancouver's historical tipping fee actions and future plans strongly suggest that Metro Vancouver believes the Generator Levy Bylaw will be sufficient to eliminate competition to its transfer stations in the Metro Vancouver area.*
>
> *Subject to further analysis, the Generator Levy Bylaw may result in higher prices for other load sizes as well."*

That same year, the BC Minister of Environment declined to approve Bylaws 307 and 309, stating in a letter dated July 25, 2019, that regulatory changes of this magnitude should be properly considered through a renewed solid waste management planning process, delaying a final decision on the bylaws. The Minister wrote:

> *"As such, while I support Metro Vancouver's intentions with respect to the stated outcomes anticipated through implementation of Bylaw 307 and 309, I am delaying a final decision on approval of the bylaws at this time to provide Metro Vancouver time to renew the [2011 Integrated Solid Waste and Resource Management Plan] to ensure the Plan and bylaws are aligned."*

The SWMP 2026 represents this opportunity for thoughtful and thorough consideration of the issues raised by the Competition Bureau, yet it contains:

- No reference to the Competition Bureau's letter, and no response to its central finding that the current approach creates a strong direction towards a monopoly on waste management in Metro Vancouver.
- No competitive impact analysis of any kind.
- No cost-of-service justification for a 5% per year increase in the generator levy under Bylaw 308, notwithstanding the Bureau's finding that the levy exceeds any reasonable measure of fixed costs.[1]

[1] A generator levy is a fee based on how much waste is produced, and it can apply anywhere in the system, not just at disposal. A tipping fee is charged specifically at the point of disposal, per tonne. The two terms are conceptually distinct, but in Metro the tipping fee performs the function a generator levy normally would.

- No consideration of the less restrictive alternatives the Bureau identified, such as incentives for private waste management companies to contribute to Plan objectives, instead of creating solutions that structurally favour Metro Vancouver facilities.

Eroding Competition and Unsustainable Cost Escalation

These warnings point to something deeper than any single bylaw: a failure of market structure. Private operators have long played an important role in Metro Vancouver's waste management system. Their presence helps keep costs down. They raise their own capital, bear their own financing risk, and compete to deliver services efficiently. But genuine competition depends on private operators having a predictable opportunity to compete, and that predictability has been eroding since 2012 when Metro Vancouver sought the authority to direct regional waste to its own facilities. Bylaw 280 would have required residual waste to be delivered specifically to Metro-owned sites, including its then planned waste-to-energy incinerator, bypassing private facilities that Metro itself had licensed to operate. The province rejected the bylaw in 2014 after private recyclers and business groups warned it would entrench a public monopoly.

Metro Vancouver's ongoing efforts to eliminate competition are problematic as it is not a neutral referee. It is also the operator that benefits from that waste, and the rate-setter that controls what competitors must pay to operate. Every tonne of garbage generated in the region carries a $70 generator levy, whether it goes to a Metro facility or a private one.[2] At Metro's own facilities, that levy is folded into the posted tipping fee.[3] At a private facility, the hauler must collect the same levy and remit it to Metro on top of whatever the private operator charges for its own service, while Metro sets that levy rate unilaterally. This makes competing on price virtually impossible, regardless of which facility is more efficient or better located.[4]

Without competitive pressure, there is little to restrain what Metro Vancouver charges. The result shows up directly in the numbers. Since Metro Vancouver first attempted to consolidate regional waste at its own facilities in 2013, its operational spending on solid waste and recycling has increased by approximately 93 percent (growing from $82 million in 2013 to $158 million in 2024), far exceeding both inflation (33 percent) and population growth (25 percent) over the same period.[5]

Of concern for residents and businesses is that this upward trend is projected to continue. Based on Metro Vancouver's 2026-2030 Financial Plan, annual operating spending for solid waste

[2] Metro Vancouver Generator Levy https://metrovancouver.org/services/environmental-regulation-enforcement/solid-waste-regulatory-program/generator-levy.
[3] A tipping fee is charged specifically at the point of disposal, per tonne dropped at a landfill or transfer station. https://metrovancouver.org/services/solid-waste/tipping-fee.
[4] The generator levy applies specifically to municipal solid waste (garbage) generated in the region. It does not apply to construction and demolition waste, industrial waste, source-separated recyclables, or agricultural waste. The rate is $70 per tonne as of 2026.
[5] B.C. Ministry of Municipal Affairs. Schedule 902–Expenses, Regional District General and Financial Statistics. BCBC calculations.

services is forecast to reach nearly $221 million by 2030, almost a 30 percent increase from this year (2026). Tipping fees, which represent 94 percent of operating revenues, are set to rise by an annual average of 6.6 percent through 2030. This is more than double the annual target inflation and forecasted population growth rates over the same period.[6] These additional costs ultimately get passed on to consumers at a time of weakening affordability.

Operating costs are only part of the picture. Metro Vancouver's capital spending is also projected to increase significantly. Capital spending on solid waste infrastructure is expected to rise from $340 million (2025 to 2029 plan) to about $390 million over the 2026–2030 Financial Plan. This is almost a 15 percent increase in a single budget cycle. Most of this capital plan is funded through new external borrowing. As a result, debt servicing costs for solid waste are projected to rise from $17 million in 2025 to $49 million in 2030, nearly tripling in five years. Each dollar borrowed today adds to interest payments, which in turn narrows the fiscal room available for tomorrow's infrastructure needs and creates pressure to increase fees.

The Need for Independent Governance and Oversight

At the core of the problem is a basic failure of governance. Good governance means keeping the roles of policymaker, regulator, operator, and price-setter separate. Metro Vancouver holds all four. It designs policy, regulates the sector, operates the facilities, and sets the prices, while also controlling who else can enter the market. Independent oversight is essential for keeping public spending accountable to the people who fund it. We raised this same point in a March 2026 Troy Media commentary.

We support a solid waste system that is affordable, transparently accountable, and open to private-sector innovation. We see no principled reason why the region's waste system should be exempt from the scrutiny and market discipline increasingly expected of public bodies. Given how much of the Lower Mainland and southern Vancouver Island's population and economic activity Metro Vancouver represents, fixing governance issues is foundational to the region's long-term prosperity, competitiveness, and affordability.

Timing compounds these concerns. In terms of SWMP 2026, it is procedurally imprudent for an outgoing Board to finalize a framework of this size just months before the October 2026 municipal election. Locking ratepayers into a decade-long plan that introduces millions in new debt and restructures market access should not happen this close to a new political cycle. A decision of this scale deserves the fresh mandate and scrutiny of an incoming administration. Beyond its proximity

[6] The Bank of Canada targets 2 percent annual inflation. Metro Vancouver's Population is forecast to grow 1.3 percent annually from 2027 to 2031.

to an election cycle, an independent review is required to fully quantify the financial impact on taxpayers.

Metro Vancouver can act on some of these concerns immediately, without waiting on the province. As a first step, it should strengthen internal audit of capital projects, travel, and director payments, and publish the results quarterly. This would cost taxpayers nothing and would help build confidence among residents and the business community that Metro Vancouver has their interests in view. Metro Vancouver could also demonstrate its own commitment to leaner government by formally requesting that the province modify its Letters Patent, through the existing Order in Council process, to reduce the size of the Board and enable its restructuring. If Metro Vancouver does not act voluntarily, the province should impose these reforms directly and expand the mandate of the B.C. Auditor General to cover municipalities and regional districts. Washington State, New South Wales, and the City of Vancouver, since 2020, already operate under this kind of independent oversight.

BCBC recommends the following:

- Delay the finalization of the SWMP 2026 until after the next municipal government election process in the fall of 2026 and the completion of an independent third-party review.
- Commission an independent, third-party value-for-money review of the solid waste system, including a cost-of-service analysis, an assessment of the capital program and borrowing trajectory, and an analysis of tipping fee structure and levels.
- Address the concerns the federal Competition Bureau raised in 2019, including a public accounting of what steps have been taken in response.
- Reframe the Plan's objective to explicitly include reliability, affordability, transparency, and preserving competition as guiding principles.
- Reassess the licensing and levy framework to identify where competition can be restored and enhanced, working directly with the private sector to produce a public report on options, and using an independent facilitator.
- Separate Metro Vancouver's regulatory and commercial functions, apply equal standards to all operators, and provide independent due process for licensing and enforcement decisions.
- Request a modification to Metro Vancouver's Letters Patent to enable reform of the Board of Directors' structure, reducing its size and strengthening the direct line of accountability between Board members and the residents they serve.

From: Christine Cunningham [redacted]
Sent: July 31, 2026 10:44 AM
To: env.minister@gov.bc.ca; letters@fresheetnews.ca; Metro Vancouver Solid Waste Management Plan Update
Subject: Christine Cunningham final submission on Solid Waste Management Plan
Attachments: Metro Vancouver incinerator.docx

Follow Up Flag: Follow up
Flag Status: Flagged

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Dear Metro Vancouver and the Honourable Minister Davidson,
I attach my final submission on the Solid Waste Management Plan for your consideration. I have ccd our local newspaper.

Thank you kindly.

Warm regards,

Christine Cunningham
Burnaby resident

[redacted]

July 31, 2026.

To: Metro Vancouver
zerowaste@metrovancouver.org

Christine Cunningham
Burnaby, BC
[redacted]

To: The Honourable Tamara Davidson
Ministry of Environment & Parks

Dear Metro Vancouver and Minister of Environment & Parks:

Re. Final feedback on the Metro Vancouver Solid Waste Management Plan
I made a submission previously and am writing again to underscore my position regarding the Metro Vancouver Incinerator.

It is my view that Metro Vancouver should immediately prepare to permanently shut down the Metro Vancouver incinerator in Burnaby. Zero Waste BC is proposing you set a closure date of 2028 because it will take some time and effort to responsibly phase out the incinerator. I also note that if the incinerator is not closed in 2028, it will require Metro Vancouver to spend more money on this aging infrastructure.

I agree with the recommendations of the Zero Waste Committee that Metro Vancouver should invest real dollars to decrease waste (i.e. acting on all of the good suggestions you received during this planning process) and, in the interim, use external landfills. The Zero Waste Committee's financial analysis can be seen here: https://www.zerowastebc.ca/wp-content/uploads/2025/10/Metro-Vancouver-Residuals-financial-analysis-ZWC-Oct-9th-2025-summary.pdf

Metro Vancouver has acknowledged that 80% of Metro Vancouver's waste could be avoided, recycled or composted and I urge Metro Vancouver to pursue these goals. You could, for example:

- follow Nanaimo's example and mandate three stream collection with support for businesses and institutions to make changes
- work to ensure that buildings are deconstructed
- provide support (coaching, education, building ambassadors) to have better diversion in multi-family buildings
- use your procurement processes to support waste reduction (like Richmond is doing)
- mandate dine in reuse (like Victoria)
- take many, many more actions - including those recommended by the three working groups of the Public Technical Advisory committee (see presentations

Nov 21, 2024 meeting https://metrovancouver.org/services/solid-waste/solid-waste-management-plan-public-technical-advisory-committee)

Technology that supports “sharing systems, tracking of reusables, data on material flows, assistance in sorting recyclables, working towards better outcomes of procurement, design of products that results in less waste (for example some wood cutting devices that maximizes the use of the wood), devices that spots and removes nails from recovered wood.

For the waste trucks, there is also increased use of cameras to spot contamination (clear bags help for that), automatic education postcards sent to those who have mistakes, on trucks scales to provide weights and feedback to customers. So lots of positive options as well.

I submit that it does not work to say that “some day” the incinerator will need to be closed down. If you accept a “some day” closure date, by then, Burnaby will have introduced a district energy facility to use steam generated by heat from the incinerator to heat buildings in a large area of Burnaby, making Burnaby dependent on a continuous supply of garbage - clearly counter to the plan to reduce garbage.

Furthermore, significant amounts of dioxin have been found on the incinerator roof indicating that the incinerator may be generating unacceptable levels of air pollution.

It is my strongly held view that Metro Vancouver needs to immediately plan the shutdown of the incinerator. A new contract would need to be negotiated to send the waste to another landfill while Metro Vancouver puts genuine effort into reducing waste. The incinerator should be closed properly with deconstruction and full site clean-up. (In theory, the incinerator could be closed tomorrow but it would be smoother if its shut-down were planned.)

Genuine effort into reducing waste includes things such as introducing technology that supports sharing systems, tracking of reusables, data on material flows, assistance in sorting recyclables, working towards better outcomes of procurement, design of products that results in less waste (for example some wood cutting devices that maximizes the use of the wood), devices that spot and remove nails from recovered wood.

For the waste trucks, increased use of cameras to spot contamination (clear bags help for that), automatic education postcards sent to those who have made mistakes, scales on trucks to provide weights and feedback to customers. There are many positive options as well.

While technology has a useful role to play in the reduction of waste higher up the Zero Waste Hierarchy as described above, there is no technology that can make burning garbage a sustainable way to create energy.

Lastly, I believe the City of Burnaby has supported the notion of revamping the Metro Vancouver incinerator to create energy to heat buildings in Burnaby. I believe the City is looking for a quick way to reduce greenhouse gas emissions and meet its climate action goals. In my view, perpetuating the incinerator is not the way.

Thank you for considering my submission.

Yours truly,

Christine M. Cunningham

Christine Cunningham
Burnaby Resident

cc. Freshet news

From: David Isopo <disopo@envirogreentech.com>
Sent: July 31, 2026 8:43 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Feedback on Solid Waste Management Plan Update Draft

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To whom this may concern,

I understand there is an opportunity to provide feedback on the Metro Vancouver Solid Waste Management Plan 2026 draft Solid Waste Management Plan Update. Please see the following notes that I have made as I went through the document specific to the responsible management of contaminated soil and soil with invasives (this is the lens that I used to review the document because of my background and what I do for a living):

- Page 7 where it states regulatory – There needs to be an emphasis on the regulatory review of all waste being transferred in the region, including soil and biomass associated with invasives to help reduce the spread.
- The plan talks a lot about what is defined by municipal solid waste but little to no talk about soil which I imagine makes up a large percentage by weight and ends up in landfills, displacing airspace required for residents and businesses.
- Page 24 where it identifies a number of Organic Processing Facilities and Remote Landfills, it should also mention facilities that can properly manage invasives soil and biomass. Metro Vancouver is the current authority with regards to best management practices for invasives soil in the region by either deep burial (Vancouver Landfill, Delta, BC) or thermal treatment (Envirogreen Technologies Ltd., Princeton, BC Provincial Permit 13075). This section should cover the management of contaminated soil and/or soils impacted by invasives.
- Page 69 where it states approximately one million tonnes of garbage require disposal every year – contaminated soil also ends up in either the Vancouver landfill or fill sites across the region. This figure should also be summed up and included in this section.
- Page 70 it identifies strategies for preserving the Metro Vancouver landfill - contaminated soil may be managed in other ways that are in line with the Metro Vancouver Solid Waste Management Plan 2026 strategies which will reduce the reliance on landfill as a final destination. Finding alternative treatment methods for contaminated soil will also preserve Metro Vancouver airspace for future generations.
- Page 71 strategy 6.3 – it identifies that Metro Vancouver's current waste generation projections, there is sufficient capacity to manage most garbage at the Vancouver Landfill and Waste-to-Energy facility. This section does not take into account the volume of contaminated soil that may require management in the region.
- Page 72 strategy 6.4 – I agree, this section is the perfect area to address invasives biomass and contaminated soil to be managed using best management practices (deep burial or destruction by means of thermal treatment).
- Page 96 Residuals Management Approach – this section does not cover off clean soil, contaminated soil or soil with invasives which I believe would impact the Vancouver landfill and possibly some of the other facilities mentioned in the – Contingency Disposal section. I also note that Envirogreen is not mentioned here and probably should be as it is a provincially permitted destruction and beneficial reuse facility that converts contaminated soil (including soil with invasives) into beneficial reusable material for land reclamation. This alternative option also ties into the circular economy strategy as well as extending the life of the existing Vancouver landfill.

Please let me know if you have any questions and thank you again for the opportunity to provide feedback.

Regards,

David Isopo, P.Ag.
Business Development Manager

envirogreen
technologies ltd.

Toll-Free: 1-844-688-6048 ext.202
[redacted]
Email: disopo@envirogreentech.com
101 - 9770 196A Street,
Langley, British Columbia
Canada V1M2X5
www.envirogreentech.com

From: Adam Thomas <adam.thomas@wasteconnections.com>
Sent: July 31, 2026 9:05 AM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: Draft Solid Waste Management Plan Feedback Due August 1
Attachments: Metro Vancouver SWMP - Submission from Waste Connections of Canada.pdf

Importance: High

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Good morning,

Please see the attached response from Waste Connections of Canada regarding the Draft Solid Waste Management Plan put forward by Metro Vancouver's Solid Waste team.

We look forward to your response.

Best regards,

Adam Thomas
Division Vice-President, British Columbia

[redacted]
Waste Connections of Canada | 25 Fawcett Road | Coquitlam, BC, V3K 6V2
www.WasteConnectionsCanada.com

United in Safety. Guided by Values. Winning as One.

Waste Connections of Canada

Submission to Metro Vancouver

RE: Draft Solid Waste Management Plan (2026)
Submitted July 16th, 2026

1. Introduction and Summary

Waste Connections is one of the largest waste haulers operating in Metro Vancouver. Our workers and equipment help to keep Metro Vancouver clean and ensure that waste is collected and disposed of in an environmentally safe and responsible manner.

We are writing because several elements of the Plan, as drafted, would impose significant and open-ended new obligations on waste haulers, are structured in a way that favours Metro Vancouver, given its dual role as regulator and competitor in the disposal business, and are likely to raise costs for residents and businesses at a time of acute affordability pressure in the region.

We are also writing because the Plan is silent on the central issue in this file. In 2019 the Competition Bureau of Canada formally advised the Minister of Environment that Metro Vancouver's licensing and generator levy bylaws would likely result in a monopoly on waste management in this region. The Minister then declined to approve Metro Vancouver's hauler licensing bylaw and directed that changes of this magnitude be considered through a renewed solid waste management plan. This Plan is that renewal – and it does not mention, let alone answer, any of it.

In summary, we ask that Metro Vancouver: (a) remove references to hauler licensing and restrict options for future actions that could increase regulatory burden and cause economic hardship on local residents and businesses; (b) place competition and innovation as elements of the foundations of a waste management plan with attainable goals and a plan for achieving those goals; and (c) address, on the record and in the Plan, the competition and cost concerns previously identified by the Competition Bureau and the Minister of Environment; and (d) demonstrate, before the Plan is finalized, that the financial trajectory of the solid waste system is sustainable and has been independently verified.

CORE POSITION

Environmental goals require clear, fair and predictable rules.

This submission asks Metro Vancouver to remove or define licensing, address the 2019 Competition Bureau concerns, and demonstrate that the solid waste financial trajectory is sustainable.

Four actions requested before approval

1. Remove or define licensing Do not pre-authorize hauler licensing, expanded facility categories or updated definitions without a scoped proposal.	**2. Put competition in the Plan** Address the Competition Bureau and Ministerial record, assess less restrictive alternatives, and protect innovation.
3. Publish the financial path Provide an independently developed cost-of-service analysis, capital program, borrowing need and tipping fee trajectory.	**4. Ensure neutral governance** Separate regulatory and commercial functions, apply equal standards, and provide independent due process.

2. Escalating spending, debt, and the impact on future costs

The Plan asks residents and businesses to fund an expanding solid waste system through the user-pay principle, but it does not disclose the financial trajectory that system is already on. Metro Vancouver's own audited financial statements and successive five-year financial plans show costs rising faster than the substantial tipping fee increases already imposed, persistent operating deficits, and a rapidly growing reliance on borrowing.

At a time when public attention is acutely focused on the cost overruns at Metro Vancouver's North Shore Wastewater Treatment Plant – a project whose estimated cost has escalated from approximately $700 million to nearly $4 billion, and which has now prompted the mayors of the City and District of North Vancouver to formally request a provincial inquiry – Metro Vancouver should expect its financial stewardship in every service area to be closely examined. The same organization, governance structure, and financial planning processes that oversaw that project oversee the solid waste capital program described in this Plan. Even a cursory review of the solid waste budget reveals significant concerns about Metro Vancouver's ability to responsibly manage the finances of the solid waste system.

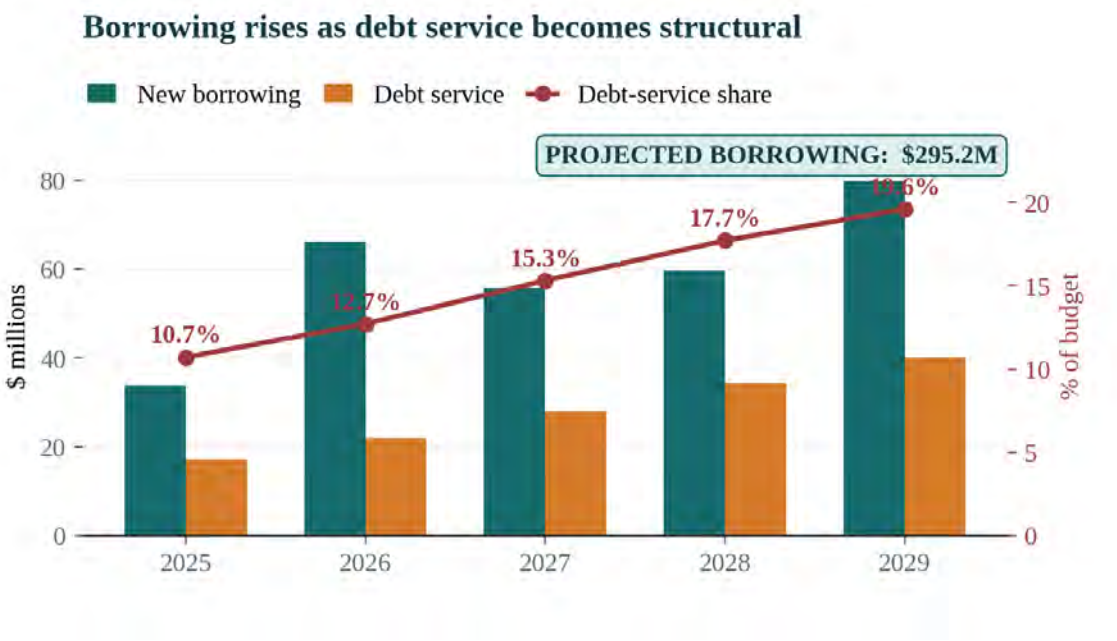
Solid waste services have run a cumulative deficit against tipping fee revenue of approximately $81 million over the past eight years, notwithstanding tipping fee revenue increasing by roughly 66% over that period:

Year	Tipping fee revenue	Solid waste services cost	Surplus / (Deficit)
2018	$102.0M	$113.2M	($11.2M)
2019	$105.7M	$134.5M	($28.8M)
2020	$100.9M	$95.3M	$5.6M
2021	$112.6M	$103.1M	$9.5M
2022	$125.8M	$142.9M	($17.1M)
2023	$135.3M	$129.5M	$5.8M
2024	$149.9M	$171.3M	($21.4M)
2025	$169.8M	$193.3M	($23.5M)
Cumulative			**($81.1M)**

The 2025 results are particularly striking. Solid waste services cost $193.3 million against a budget of $157.2 million – an overrun of approximately $36 million, or 23%, in a single year. Tipping fee revenue of $169.8 million also came in well above the $148.9 million budgeted, yet the service still recorded a deficit.

The forward plan compounds the problem. Metro Vancouver's 2025 five-year financial plan projects new external borrowing of approximately $295 million between 2025 and 2029, with annual debt service tripling over the same period:

Year	New external borrowing	Debt service	Debt service as % of solid waste budget
2025	$33.8M	$17.1M	10.7%
2026	$66.1M	$21.8M	12.7%
2027	$55.8M	$28.0M	15.3%
2028	$59.7M	$34.3M	17.7%
2029	$79.8M	$40.1M	19.6%
Total	**$295.2M**		



Two features of this trajectory warrant particular attention.

- **Debt service is becoming a structural cost of the system.** Solid waste debt service was approximately $1.0 million in 2018. By 2029 it is budgeted at $40.1 million – nearly one in every five dollars of the solid waste budget. Every dollar of that is recovered from generators through tipping fees and the generator levy.
- **The borrowing requirement keeps growing with each budget cycle.** The 2019 financial plan projected new borrowing tapering to $3.25 million by 2023. The 2025 financial plan instead projects $60–$80 million of new borrowing annually by 2028–2029. The trend is not toward the retirement of debt but toward its expansion.

This is the context in which Metro Vancouver proposes to license haulers, expand facility licensing, and add new penalties – measures which would further insulate its facilities from competitive discipline. The Competition Bureau warned in 2019 (see section 5) that, absent competition, Metro Vancouver would be able to raise tipping fees without constraint. The financial record since then is consistent with that warning: tipping fee revenue up roughly 66% since 2018, costs up more than 70%, and a mounting debt burden that will be recovered from the same residents and businesses already facing the highest cost of living in Canada.

Before any further regulatory measures are contemplated, Metro Vancouver should publish a full independently developed cost-of-service analysis for its solid waste system, including the basis of the generator levy, the drivers of the 2025 cost overrun, the capital program funded by the projected $295 million in new borrowing, and the resulting tipping fee trajectory for the term of the Plan.

REQUIRED BEFORE FINALIZATION

Publish the full cost path

Provide an independently developed cost-of-service analysis, the generator levy basis, the causes of the 2025 overrun, the capital program behind $295 million of borrowing, and the expected tipping fee trajectory.

3. Rejection of private sector investment on ideological rather than practical grounds

Metro Vancouver's *Draft summary of ideas staff consider unadvisable* addresses proposals for private sector investment in the region's solid waste system. The rationale offered for setting those ideas aside is not, in our reading, grounded in any practical assessment – there is no analysis of cost, capacity, deliverability, environmental performance, or risk. It reflects instead a policy preference for public ownership and delivery.

It is entirely legitimate for elected officials to hold and act on a view about the appropriate role of the public and private sectors. It is not appropriate for that preference to be presented to the Board, by staff, as though it were a technical finding – particularly where the organization advancing it is itself the incumbent operator that stands to benefit from excluding private investment, and where the exclusion is not supported by evidence.

The consequence is that potentially viable options for adding capacity, improving diversion, and reducing cost (and debt burden) to ratepayers are removed from consideration before the Board or the public has an opportunity to evaluate them on their merits. This is the structural conflict described in section 6, appearing at the point where alternatives to Metro Vancouver's own facilities are screened out. We ask that any recommendation to exclude private sector participation be supported by a documented, evidence-based assessment against stated criteria, and that the assessment be made public.

EVIDENCE STANDARD

Test private investment on its merits

Evaluate cost, capacity, deliverability, environmental performance and risk before excluding private participation. A policy preference should not be presented as a technical finding.

4. Undefined and open-ended hauler licensing, facility definitions, and fines

The Plan's Regulatory Strategic Approach lists, as "example" future regulations, *hauler licensing "including mandatory source separation and separate management of streams,"* "expanded types of facilities that require a licence," and "administrative improvements to licensing bylaw including updating definitions." These are presented without definition, scope, or limiting principle.

4.1 The concern: a hauler's yard could be captured as a "facility"

Read together, these three items create a real risk that the ordinary operations of a hauler – in particular a truck yard, depot, or transfer point – could be brought within facility licensing under GVS&DD Bylaw 181:

- The Plan expressly contemplates **expanding the types of facilities that require a licence** and **updating the definitions** in the licensing bylaw. It does not say where the new boundary lies.
- The Plan grounds licensing authority in Environmental Management Act s.25, which allows Metro Vancouver to require a licence from the operator of "a site that accepts and manages municipal solid waste." On its face, that wording is broad enough to reach a yard where waste sits in trucks overnight.
- Nothing in the Plan carves out hauler yards, parking or maintenance depots from the definition of a "facility."

The Plan, as written, leaves the question entirely open and reserves to Metro Vancouver the discretion to define hauler truck depots as facilities later, without a defined limit and without a further plan-level decision (see section 9.1). Stakeholders are being asked to support a regulatory direction whose actual scope is unknowable from the document.

The scope is not merely undefined on paper; Metro Vancouver has declined to define it when asked. At the June 9, 2026 Industry Advisory Committee meeting (livestreamed by Metro Vancouver; minutes not yet published at the time of this submission), staff were asked directly what the purpose and intended outcome of hauler licensing would be, and what conditions might be imposed on haulers as a condition of licensing. Staff confirmed that "there's no work underway today about developing a hauler licensing program" and declined to describe what such a program would do, stating that its content would be determined through a future engagement process – "whatever the thing is." A regulatory instrument whose proponent cannot or will not describe its purpose should not be embedded in a ten-year statutory plan.

> **SCOPE REMAINS UNDEFINED**
>
> **"Whatever the thing is"**
>
> At the June 9, 2026 meeting, staff confirmed that no hauler licensing program was under development and said its content would be determined through a future engagement process.

4.2 Open-ended fines

The enforcement regime attached to licensing is already significant: penalties of up to $500 per contravention, chargeable for each day an offence continues, together with suspension or cancellation of a licence. The draft newly adds "administrative monetary penalties to address non-compliances." None of these are quantified, scoped, or accompanied by a proportionality framework, cure periods, or an independent appeal. For a licence a hauler depends on to operate, cancellation is an existential penalty that should not rest on undefined standards.

PENALTY EXPOSURE

Undefined standards can carry existential consequences

The existing regime allows penalties of up to $500 per contravention for each day, plus licence suspension or cancellation. The Draft Plan adds administrative monetary penalties without scope, cure periods or an independent appeal.

4.3 No evidence of the problem licensing is meant to solve

Hauler licensing and the generator levy have historically been justified as tools to prevent garbage from leaving the regional system. Metro Vancouver's own evidence shows that this is not occurring. Under its "smart waste" tracking program, Metro Vancouver annually places tracking devices in garbage containers to follow where garbage goes. At the June 9, 2026 committee meeting, staff confirmed that every device deployed "ended up at Metro Vancouver [and] City of Vancouver facilities," that since the program began Metro Vancouver has not had "any concerns that there's garbage going to other facilities," and that the program's targeted-tracking steps have never been invoked against any company.

This is consistent with the published minutes of the June 10, 2025 committee meeting, at which staff stated that Metro Vancouver had "no information at this point in time to suggest that garbage is being hauled elsewhere." The factual predicate for licensing the region's haulers – and for strengthening the generator levy – does not exist on Metro Vancouver's own record.

METRO VANCOUVER'S OWN EVIDENCE

No demonstrated waste-leakage problem

Every tracking device deployed under the smart-waste program ended at Metro Vancouver or City of Vancouver facilities; staff reported no concerns that garbage was going elsewhere, and targeted tracking has never been invoked against a company.

5. The Plan does not respond to the Competition Bureau's findings or the Minister's 2019 direction

This is, in our submission, the most serious deficiency in the Plan. The regulatory direction the Plan carries forward has already been examined by Canada's Competition Bureau and by the Province, and neither endorsed it. The Plan proceeds as though that history does not exist.

5.1 What the Competition Bureau found

On May 3, 2019, the Deputy Commissioner of Competition wrote to the Minister of Environment and Climate Change Strategy under section 126 of the Competition Act, providing the Bureau's views on Bylaw 307 (Commercial Waste Licensing), Bylaw 308 (Generator Levy) and Bylaw 309. The Bureau's conclusions were unambiguous:

- The bylaws could have significant negative effects on competition for the handling, transfer and recovery of mixed municipal solid waste in the region.
- The Generator Levy effectively raises the costs of competing non-Metro Vancouver facilities, and the Bureau concluded that the licensing bylaw coupled with the levy would likely result in a monopoly on waste management in the Metro Vancouver area.
- Reduced competition would mean reduced choice and less innovation, including deterring private investment in technologies (such as mixed material recovery facilities) that would improve, not harm, the region's diversion rates.
- Reduced competition would permit Metro Vancouver to raise tipping fees without competitive constraint – a concern the Bureau supported by pointing to Metro Vancouver's own conduct, having lowered large-load tipping fees in 2015 when it faced competition, then planning steep increases once the levy was in place.
- The quantum of the Generator Levy does not reflect the actual fixed costs of Metro Vancouver's transfer stations, and appears to significantly exceed fixed costs in any reasonable accounting sense.

Critically, the Bureau stated that it had not been provided with any information suggesting a conflict between Metro Vancouver's environmental objectives and vigorous competition, and it identified less restrictive alternatives – such as additional auditing and enforcement of material bans at private facilities, and coordination with neighbouring regional districts – which it observed Metro Vancouver did not appear to have considered or attempted.

COMPETITION BUREAU FINDING

The licensing bylaw plus the generator levy would likely result in a monopoly.

The Bureau also warned of reduced choice and innovation, deterrence of private investment and the ability to raise tipping fees without competitive constraint.

This was not the first such finding. In 2014, the Environment Minister rejected Metro Vancouver's Bylaw 280 on the basis that it stifled competition on residuals management, with the Ministry citing the potential for the bylaw to create a monopoly on waste management.

5.2 What the Minister directed

On July 25, 2019, Minister Heyman declined to approve Bylaws 307 and 309 at that time. He confirmed that he had received the Competition Bureau's report. He concluded that initiatives which may result in a significant change to the waste management regulatory system "would be best considered as part of a robust solid waste management planning process," and found that the consultation conducted for the existing plan "did not fully contemplate the details and extent of the regulatory changes" proposed by the bylaws, or their impact. He therefore delayed his decision expressly to give Metro Vancouver time to renew the plan and to align the plan and the bylaws.

5.3 Why this matters now

This Plan is the renewal the Minister called for. It is the "robust solid waste management planning process" through which hauler licensing was supposed to be properly examined and consulted upon. Yet in this Plan:

- There is no reference to the Competition Bureau's letter, and no response to its central finding that this regulatory package would likely create a monopoly.
- There is no competitive impact analysis of any kind.
- There is no cost-of-service justification for the generator levy, notwithstanding the Bureau's finding that the levy exceeds any reasonable measure of fixed costs.
- There is no consideration of the less restrictive alternatives the Bureau identified.
- The topic of Hauler licensing and the expansion of facilities licensing were never addressed at the Industry Advisory Committee, which was intended to be a robust opportunity for industry consultation in the development of the SWMP. This is confirmed by Metro Vancouver's own record: the feedback summary attached to the January 28, 2026 committee minutes states that "Haulers have been requesting a draft licensing template for years, yet the topic was never raised in Industry Advisory Committee meetings." The committee's meeting record is summarized in Appendix A.

- The consultation record itself is thin. Across four and a half years, the committee meetings with published minutes total roughly 24 hours of committee time, averaging approximately 85 minutes against a two-hour booking; the two meetings immediately preceding the options-analysis phase (February 4 and March 4, 2025) lasted 31 and 50 minutes respectively; and the January 28, 2026 meeting at which staff walked the committee through the initial draft plan proceeded without quorum (see Appendix A).
- Hauler licensing itself appears as a single line in a table of "examples," with no scope, no detail, and no impact assessment – which is the opposite of the detailed consideration the Minister said was missing.

The result is that Metro Vancouver is seeking, through this Plan, to pre-authorize the very regulatory program that the Competition Bureau found likely to eliminate competition and that the Minister declined to approve – while engaging with neither. Put plainly, a plan that is silent on the principal objection to its central regulatory proposal cannot be said to have considered it, and should not be approved on that basis.

> **THE APPROVAL GAP**
>
> **This is the planning process the Minister required - but the central concerns are still not analyzed.**
>
> The Draft Plan contains no competitive impact analysis, no generator-levy cost justification, no assessment of less restrictive alternatives and no defined hauler-licensing proposal.

6. A regulator that is also a competitor – and the impact on innovation

Metro Vancouver owns (and contracts the operation of) the Waste-to-Energy Facility and six recycling and waste centres, works in partnership with the City-owned Vancouver Landfill, and sets the region's tipping fees, the generator levy, and the disposal bans. At the same time, it licenses the private facilities that compete with it and now proposes to license the haulers who choose where to take their customers' material.

This concentrates in one body the power to set the rules, set the prices, adjudicate disputes about its own bylaws, and require haulers to accept the tipping fees and generator levy without regard to a competitive landscape. That is a structural conflict of interest. Nor is the concern new: industry members have raised it, on the record, at the Industry Advisory Committee since its first year – questioning in June 2022 whether the committee could "engage effectively in this region where our regulators are also our competitors," asking in the June 2023 vision workshop that Metro Vancouver "avoid conflict between the roles of regulator and market competitor," and recording in July 2024 "concerns with Metro Vancouver simultaneously being the regulator and the competition" (see Appendix A). Several specific features illustrate the problem:

- Metro Vancouver charges the generator levy on waste taken to non-Metro facilities, requiring haulers to remit it directly – a fee levied by a competitor on its competitors' customers (who also happen to be the taxpayers of Metro Vancouver).
- The Draft Plan reserves broad discretion for Metro Vancouver to "expand" its own services, including to co-locate services at its facilities and to pilot collection and processing of materials – activities that overlap directly with private-sector offerings.

The predictable effect on innovation is chilling. Private operators invest in new sorting, processing, and collection methods only where they can expect a stable, neutral playing field and a return on that investment that can only be recovered over many years (a decade or more). Where the entity setting licence conditions, fees, and diversion minimums is also expanding into the same lines of business, the incentive to invest is diminished. The Plan's stated aim of encouraging private-sector innovation is undercut by its own structure – exactly as the Competition Bureau predicted in 2019.

STRUCTURAL CONFLICT

The same institution can set rules and prices, adjudicate its own bylaws, and compete for the same material.

Likely effects include weaker investment incentives, reduced choice and innovation, and higher cost risk.

7. "Local disposal" as a preference for Metro Vancouver's own facilities

The Plan elevates "prioritize local solutions" to a strategic principle and commits to "optimize" the Vancouver Landfill and Waste-to-Energy Facility to "reduce reliance on remote disposal." Framed as environmental and cost stewardship, in practice "local" functions largely as "Metro Vancouver-owned or controlled," and the tools used to advance it reduce the ability of private operators to compete.

A public body should not use its regulatory powers to foreclose competition with its own facilities under the banner of environmental benefit. Where remote or private disposal is genuinely more efficient for a given material or location, customers should retain the ability to choose it, an option that has been precluded by the generator levy. Any levy or restriction that disadvantages non-Metro disposal should be justified on a transparent, published cost-of-service basis and subject to periodic review – a justification the Competition Bureau found lacking in 2019, and which has still not been provided.

COMPETITIVE NEUTRALITY

"Local" should not function as "Metro Vancouver-owned or controlled."

Any levy or restriction that disadvantages private or remote disposal should be supported by a transparent cost-of-service basis and periodic independent review.

8. Cost to residents and businesses in a high cost-of-living region

Metro Vancouver is among the least affordable regions in Canada. The Plan is built on the user-pay principle, which means the cost of every new obligation flows through to the residents and businesses who generate waste. The regulatory measures contemplated – hauler licensing, mandatory separate stream management, additional disposal bans and surcharges, expanded reporting, and an eventual shift to zero-emission collection fleets – all carry real compliance costs that will be passed on in collection rates.

- Separate management of streams typically requires additional trucks, routes, and trips – a direct, recurring operating cost, felt most in the multi-family and commercial sectors the Plan targets for the steepest diversion increases.
- Licence fees, reporting systems, and penalty exposure add fixed administrative costs that fall hardest on smaller operators and, ultimately, on their customers.
- Fleet electrification is a major capital cost that, if mandated or effectively required, will be reflected in rates.

The Plan's own "Considerations" acknowledge that regulations may change tipping fees and impose "other costs borne by residents, businesses," yet the document contains no costing, no rate-impact analysis, and no cost-benefit assessment for any of the contemplated measures. Stakeholders and the public are being asked to endorse a direction with unquantified household and business cost implications.

9. Additional concerns

BLANKET PRE-AUTHORIZATION Future licensing, definitions, penalties and disposal bans could proceed without a Plan amendment.	**DUPLICATION** Haulers are already regulated through municipal, provincial safety and environmental regimes.
COMMERCIAL DATA Route, customer, tonnage and destination information could be disclosed to a market competitor.	**DUE PROCESS** Metro Vancouver adjudicates its own bylaws while operating competing facilities.

9.1 The consultation being offered may not apply to the actual rules

The Plan's amendment provisions state that introducing the regulatory initiatives contemplated in the Regulatory Strategic Approach does not require a plan amendment, and neither does establishing or changing a Bylaw 181 facility. The effect is that hauler licensing, expanded facility definitions, new penalties, and additional disposal bans could all be enacted later without the plan-level public process – on the strength of this Plan's blanket pre-authorization. The meaningful consultation is therefore deferred to a

future process that the Plan does not guarantee. This is precisely the deficiency the Minister identified in 2019, reproduced in the very document that was meant to cure it. When pressed at the June 9, 2026 committee meeting, staff's answer was that any future hauler licensing proposal would be accompanied by "an extensive engagement program." That commitment appears nowhere in the Plan, and the Plan's amendment provisions are expressly to the contrary.

9.2 Duplication with existing regulators

Haulers are already regulated by municipal business licensing, provincial commercial-vehicle and safety regimes, and the Environmental Management Act. A new Metro Vancouver hauler-licensing layer risks duplication, inconsistency, and conflicting requirements. The Plan's Considerations ask whether a measure conflicts with other regulation, but the Plan provides no answer and no coordination commitment.

9.3 Commercially sensitive data

Expanded reporting obligations could require haulers to disclose route, customer, tonnage, and destination data to a body that also competes with them. This raises a legitimate competitive-information concern.

9.4 Due process and competitive neutrality

Penalties and licence suspension or cancellation are adjudicated through Metro Vancouver's own bylaw dispute process. Natural justice favours an independent adjudicator where the regulator is also an interested competitor. Relatedly, the Plan makes no commitment that Metro Vancouver's own facilities will be held to the same diversion, reporting, and penalty standards it would impose on private facilities and haulers.

10. Recommendations

We offer the following recommendations to strengthen the Plan while preserving its environmental objectives:

FAIR COMPETITION **RECOMMENDATIONS 1, 2, 3, 7, 9** Defined scope, competitive impact analysis, neutral standards and evidence-based private participation	**FINANCIAL DISCIPLINE** **RECOMMENDATIONS 4, 5** Cost-of-service support for the levy and a transparent, independently tested financial trajectory
DUE PROCESS **RECOMMENDATIONS 6, 8** Plan-level approval for major regulatory changes, proportionate penalties and independent appeal	**DATA PROTECTION** **RECOMMENDATIONS 10** Strong confidentiality safeguards and aggregated public reporting

1. **Remove hauler licensing from the Plan.** Delete the references to hauler licensing, expanded facility licensing categories, and updated licensing definitions. If Metro Vancouver wishes to pursue these measures, they should be brought forward as a distinct proposal with a defined scope, a published impact assessment, and a dedicated consultation – as the Minister directed in 2019.
2. **At minimum, define the scope now.** If the references are retained, expressly state that hauler truck yards, parking, and maintenance depots are not "facilities" for licensing purposes, and define "facility" by function (receiving or processing third-party waste for a fee) rather than by the presence of vehicles or containers.
3. **Address the Competition Bureau's findings on the record.** Include in the Plan an express response to the Bureau's May 2019 letter, a competitive impact assessment of the regulatory measures contemplated, and an assessment of the less restrictive alternatives the Bureau identified.
4. **Publish a cost-of-service justification for the generator levy,** demonstrating that its quantum is commensurate with the fixed costs it is said to recover, and commit to periodic independent review.
5. **Publish the financial trajectory.** Disclose an independently developed cost-of-service analysis, capital program, borrowing requirement, and projected tipping fee path for the term of the Plan, so that residents and businesses can see what the Plan will cost them.
6. **Close the amendment loophole.** Provide that hauler licensing, expanded facility definitions, and new penalty regimes require a Plan amendment, with the associated public process.
7. **Competitive neutrality.** Commit that Metro Vancouver-owned facilities will meet the same diversion, reporting, and penalty standards imposed on the private sector, and establish arm's-length

separation between Metro Vancouver's regulatory function and its operational and commercial functions.

8. **Proportionate, independent enforcement.** Adopt a published, proportionate penalty framework with cure periods, and provide an independent appeal for penalties, suspension, and cancellation.
9. **Evidence-based evaluation of private sector participation.** Require that any recommendation to exclude private investment be supported by a documented assessment against stated criteria, and be made public.
10. **Protect commercial data.** Provide strong confidentiality protection for industry-supplied data and publish only in aggregated form.

11. Conclusion

Waste Connections is committed to helping Metro Vancouver reach its waste reduction, diversion, and climate goals. Achieving those goals depends on a healthy, competitive private hauling and recycling sector operating under clear, fair, and predictable rules.

As drafted, the Plan's open-ended regulatory direction, its concentration of regulatory and commercial roles in a single body, its escalating cost and debt trajectory, and its silence on the competition concerns already identified by the Competition Bureau and the Minister of Environment risk undermining that sector and raising costs for residents and businesses. The 2019 direction to consider these measures through a robust planning process has not been fulfilled by this Plan. We urge Metro Vancouver to adopt the recommendations above and would welcome the opportunity to work with staff on the details.

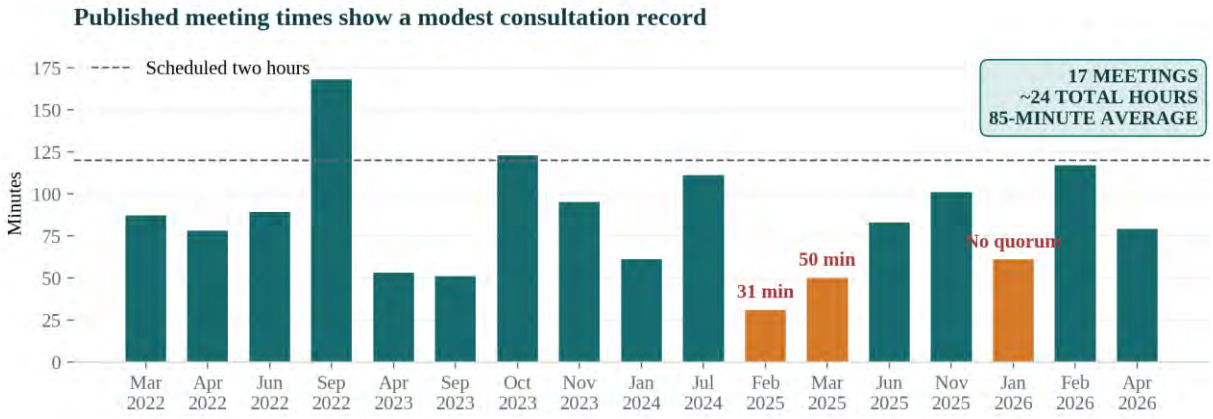
> **CLOSING PRINCIPLE**
>
> **A competitive private sector is part of the environmental delivery system.**
>
> Waste reduction, diversion and climate objectives are best supported by financially sustainable plans and clear, fair and predictable rules.

Appendix A – The Industry Advisory Committee meeting record

Metro Vancouver has presented the Solid Waste and Recycling Industry Advisory Committee as its principal forum for industry consultation on the solid waste management plan update. The committee's own published minutes show two things: the volume of consultation was modest, and the concerns raised in this submission were put to Metro Vancouver repeatedly, on the record, throughout the plan's development, without being carried into the Plan.

A.1 Meeting durations

Committee meetings are scheduled for two hours. The table below lists every meeting for which minutes recording a start and an adjournment time are published on the committee webpage. (Minutes for a number of other meetings are contained within subsequent agenda packages or have not been posted; those meetings are excluded from the table.) The seventeen meetings with published times average approximately 85 minutes each, for a total of roughly 24 hours of committee time between March 2022 and April 2026.



Meeting date	Called to order	Adjourned	Duration	Notes
March 1, 2022	1:01 p.m.	2:28 p.m.	1 h 27 m	
April 5, 2022	1:03 p.m.	2:21 p.m.	1 h 18 m	
June 7, 2022	1:06 p.m.	2:35 p.m.	1 h 29 m	
September 7, 2022	1:03 p.m.	3:51 p.m.	2 h 48 m	In-person workshop
April 4, 2023	1:02 p.m.	1:55 p.m.	53 m	Adjourned without conducting business following a conflict-of-interest Point of Order
September 12, 2023	2:03 p.m.	2:54 p.m.	51 m	
October 3, 2023	1:04 p.m.	3:07 p.m.	2 h 03 m	In-person workshop
November 7, 2023	2:01 p.m.	3:36 p.m.	1 h 35 m	
January 9, 2024	2:01 p.m.	3:02 p.m.	1 h 01 m	
July 9, 2024	2:04 p.m.	3:55 p.m.	1 h 51 m	
February 4, 2025	2:04 p.m.	2:35 p.m.	31 m	
March 4, 2025	2:05 p.m.	2:55 p.m.	50 m	
June 10, 2025	2:01 p.m.	3:24 p.m.	1 h 23 m	
November 4, 2025	2:32 p.m.	4:13 p.m.	1 h 41 m	In person
January 28, 2026	2:02 p.m.	3:03 p.m.	1 h 01 m	No quorum; initial draft plan walkthrough proceeded on information items only
February 10, 2026	2:04 p.m.	4:01 p.m.	1 h 57 m	Initial draft plan feedback session
April 7, 2026	2:04 p.m.	3:23 p.m.	1 h 19 m	Revised draft plan presented

All times are as recorded in the minutes ("called the meeting to order at" and "adjourned at").

The committee also met on June 9, 2026; the meeting ran approximately one hour, and its minutes had not been published at the time of this submission. Statements from that meeting cited in this submission are taken from Metro Vancouver's livestream of the meeting.

A.2 Concerns raised on the record

The following appear verbatim in the committee's published minutes, workshop summaries, and feedback summaries:

- June 7, 2022 (minutes, breakout notes): members questioned whether the committee could "engage effectively in this region where our regulators are also our competitors."

- September 7, 2022 (workshop notes): “Concern was expressed that Metro Vancouver both regulates and operates solid waste facilities,” with a request to “establish a clear delineation of policy-making, regulatory and service delivery roles.”
- June 6, 2023 (workshop summary, reported to the MVRD Board on October 27, 2023): a request that Metro Vancouver “ensure policy allows market-driven outcomes; avoid conflict between the roles of regulator and market competitor.”
- July 9, 2024 (minutes): “Concerns with Metro Vancouver simultaneously being the regulator and the competition,” together with recorded comments that regulatory uncertainty deters private investment in infrastructure.
- January 28, 2026 (feedback summary attached to the minutes): “Haulers have been requesting a draft licensing template for years, yet the topic was never raised in Industry Advisory Committee meetings,” and “if licensing is to be included in the plan, Metro Vancouver must provide details, rationale, and implementation guidance.”
- February 10, 2026 (feedback summary): “more information is needed about scope of hauler licencing for the committee to meaningfully comment on it,” and the regulatory strategy “lacks operational detail.”
- June 9, 2026 (livestreamed meeting; minutes not yet published): staff confirmed that “there’s no work underway today about developing a hauler licensing program”; that under the smart waste tracking program every deployed device “ended up at Metro Vancouver [and] City of Vancouver facilities”; and that Metro Vancouver has not had “any concerns that there’s garbage going to other facilities.”

A.3 What this record shows

The regulator-competitor conflict and the demand for a defined hauler-licensing proposal were raised at the Industry Advisory Committee in 2022, 2023, 2024, and 2026 – at every stage of the plan’s development. The Final Draft nonetheless contains no competitive impact analysis and no definition of the scope of hauler licensing. The concerns were recorded; they were not answered.

In addition, the January 28, 2026 meeting at which staff walked the committee through the initial draft plan proceeded without quorum, and the April 4, 2023 workshop was adjourned without conducting any business over unresolved conflict-of-interest process. This is the consultation record on which Metro Vancouver will ask the Minister to conclude that the 2019 direction – that changes of this magnitude be considered through “a robust solid waste management planning process” – has been satisfied.

From: David M Coffey <david_m_coffey@whirlpool.com>
Sent: August 1, 2026 6:18 PM
To: Metro Vancouver Solid Waste Management Plan Update
Subject: InSinkErator - Final Comment on MetroVancouver SWMP

Follow Up Flag: Follow up
Flag Status: Flagged

WARNING: *This email originated from outside of our organization. Do not click any links or open attachments unless you trust the sender and know the content is safe.*

This note responds to the invitation by Metro Vancouver for a final round of comments on its proposed Solid Waste Management Plan as it advances to consideration and endorsement by the Province.

The comments are offered on behalf of InSinkErator Canada, now a division of the Whirlpool Corporation, one of the world's leading manufacturers of appliances for the home, and are focused on the opportunity to expand use of in-sink food waste disposers, aka Garburators®, as an essential, effective, and environmentally efficacious tool to address one of the Region's notable continuing waste – both solid and liquid - management challenges.

Metro Vancouver's efforts to tackle household-generated food waste began more than fifteen years ago, as did InSinkErator's initiative to bring its considerable expertise, technical and best practice research to that effort, gained from its work globally with cities, researchers, and many other stakeholders.

Numerous meetings, presentations and sharing of documents later – and both successful and failed efforts by the Region to address household food waste – the challenge remains the same: how to promote effective diversion of food waste, especially from the Region's increasingly vertical multi-residential buildings, and process it into beneficial resources, avoiding disposal in truck-delivered landfills and waste-to-energy facilities.

InSinkErator continues to believe that in-sink disposers are and can be an effective tool for Metro Vancouver to embrace, rather than to ignore their existence or discourage actual use. The most recent waste composition study reports that diverting food scraps from apartment buildings remains a significant challenge, despite substantial efforts to reform public behavior.

We have especially noted the opportunity to connect food waste recovery and processing with the Region's wastewater system, which is increasingly focused on managing wastewater as resources and is well-suited to handling food scraps to produce clean water, biogas and biosolids.

We also have commented about that opportunity to the Region's Liquid Waste Management staff and Committee as it considers a similar plan, in parallel to the Solid Waste plan.

Although it is tempting to consider food waste as a "solid", in fact it is primarily water, and can be effectively managed through either the solid (with trucks) or liquid waste systems (through pipes).

With disposers already in common usage throughout the region, even just a little encouragement by the Region in its outreach and educational materials about use of the garburator could be helpful in targeting that elusive last portion of household food still being trashed. Convenience is most cited consideration by residents about their waste management practices and habits, making disposers an easy choice.

InSinkErator has partnered with numerous cities across Canada, the U.S. and the world for exactly that purpose, and continues to support technical and best practice research to support well-informed decision-making by elected officials and agencies. Recently we helped the City of Vancouver to better understand those benefits, leading to its rejection of proposed restrictions.

We continue to offer our services to Metro Vancouver as its Plans are adopted and implemented.

Thank you for your continuing engagement with InSinkErator.

David Coffey

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David Coffey
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Metro Vancouver Regional District
Draft Solid Waste Management Plan Additional Comments Received by Online Feedback Form - June 1 to August 1, 2026

Do you have any additional comments you would like to have submitted to the Minister of Environment and Parks along with the draft Solid Waste Management Plan?

- It is important for Metro to work in concert with neighboring municipalities and collaborate with them. This action should be part of the mission statement and objectives. As an example, people in the Fraser Valley Regional District should have unrestricted access to residuals from Metro Vancouver. Currently, Metro blocks this.

- The plan talks a lot about increasing the organics diversion and increasing access for multifamily and businesses, both group that need to hire private haulers. This does not seem to correlate with the forthcoming increase in organic disposal fees by $25/mt. For a multifamily property or small business, this is somewhere in the range of $3.25 in increased disposal cost per 64g tote, or almost an additional $170 / year. This also puts the disposal rate for commercial organics higher than the landfill disposal fee. This sort of discrepancy between plan and action will have negative longterm impacts on achieving goals if they continue.

- You seem to put all responsibility on the consumers of goods and their need to curb solid waste. What about the manufacturers of goods and their terrible packaging? In Europe the emphasis is on the manufacturers to make packaging more environmentally friendly. This is missing from your plan.

- This is, by far, one of the most practical and forward-thinking solid waste management plans I have ever had the pleasure of reading. It has aggressive but pragmatic targets, and has identified most (if not all) of the pathways to achieving those targets. One can only hope that the Ministry whole-heartedly supports this plan, and that the Region continues to be clear-eyed about how it prioritizes and innovative in how it operationalizes the goals, strategies, and actions.

- We need more incentives for residents and businesses to properly sort their waste and divert useful recyclable and compostable materials away from the landfill, as well as try to minimize resource use as much as possible. We also need more enforcement and fines applied for those that don't seem to care and just throw everything in garbage. The City is too scared to fine property owners and residents but when soft approach and letters fail to change their behavior, it makes sense to use some other tools! Way too many businesses and residents (especially in high rise buildings) do not participate in waste diversion because they face no incentive to change their behavior and do the right thing. We need to change that!

Do you have any additional comments you would like to have submitted to the Minister of Environment and Parks along with the draft Solid Waste Management Plan?

- Needs a brief non-repetitive version of this monster document (essentially unreadable) for regular folks. Current restrictions on plastic/ foam packaging recycling is annoying. Does the plan keep Vancouver transfer station and expand its recycling roles?

- No

- I have sent an email [redacted] outlining the comments I have given on the Revised Solid Waste Management plan.

- the overall goal of the plan is achievable and leadership from Metro Vancouver will help to move the whole province forward.

- We are disappointed not to see the phase-out of the use of 'Waste to Energy', also known as 'Landfill in the Sky' in MetroVancouver's Solid Waste Management Plan. While burning unrecycled waste can be an attractive option for places without a lot of room for landfill, this practice has serious human health impacts. Even for well regulated facilities, 'allowable emissions', 'fugitive emissions', and even 'unplanned releases' are all part of the incineration process. Unless emissions are trapped and put underground, these emissions also count towards the organizations GHG footprint, and the particulate matter involved affects everyone's health who lives around the plant. With decades of experience with incinerators in our region, we encourage you to carefully plan the phase down, and eventual phase-out of this dangerous infrastructure.

- My concern is that the current Solid Waste Management Plan does not clearly demonstrate a commitment to delivering Metro Vancouver's Climate 2050 objectives. If Climate 2050 defines where we want to go, then the Solid Waste Management Plan should clearly show how we're going to get there, with measurable actions, accountability, and outcomes.

- Thank you for recognizing that soil disposal takes up too much room in the Vancouver Landfill. In Section 6.4.5, could you go beyond the proposal to pursue opportunities for beneficial reuse of soil within the Vancouver Landfill property and instead pursue opportunities for beneficial reuse of soil within the region? This could include taking procurement measures such as requiring new Metro Vancouver projects to incorporate reused soil or aggregate into construction (as

opposed to using virgin quarried materials) or requiring a percentage of the waste or excess soil generated by municipal or regional projects to be reused.

Do you have any additional comments you would like to have submitted to the Minister of Environment and Parks along with the draft Solid Waste Management Plan?

- Regarding section 4.2.2 - it should be noted that there is significant organic waste processing capacity already in the Lower Mainland, Sea to Sky corridor and Interior all of whom currently process organics from Metro Vancouver and the FVRD. By adding an additional facility would be detrimental to existing facilities that are already needing more organic wastes.

- The proposed 2026 Solid Waste Management Plan is long on vision but short on actionable measures that Metro Vancouver itself can deliver. Much of of the Plan relies on actions by others, including municipalities, industry and the private sector. The cart is very much in front of the horse. Metro Van has advanced major infrastructure projects before the SWMP has been finalized and approved, leading to the belief the key decisions have already been made. All the while Flow Control is being established through infrastructure decisions, facility ownership and the regulatory framework Metro Van have in place. This is of concern because Metro Van is our regulator and competitor, stifling long-term private sector investment in the region. The Plan references hauler licensing but provides limited detail on how such a system would be implemented, what specific problem it is intended to address, or the impacts on private sector. Hauler licensing and flow control have been tabled 5 times by Metro Vancouver and were deemed Anti-Competitive by the Competition Bureau of Canada in 2020? After years of consultation, there is little evidence that industry feedback has meaningly influenced the direction of the plan, The Province should review Metro Vancouvers model whether the current structure provides value that best servers the interests of resident's municipalities and industry.

- As a professional agrologist and environmental practioner I beleive more needs to be done to ensure contamianted soil (including soil with invasives) needs to be managed in a way that is consistant with best management practices and in line with federal, provincial and municipal regulations. The draft solid waste management plan addresses all other forms of waste but is lacking direction as to what generators are obligated to do with clean and contamianted soil. This lack of direction results in the mismanagment of soil that will end up costing future generations and the region more in the long run as the cost to properly treat and dispose of waste will only increase over time.